ANTAMEDIA

HOTSPOT SOFTWARE

CONTROL WiFi AND ENGAGE CUSTOMERS

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Table of Contents

Part 1 Introduction 1
1 What is Antamedia HotSpot ? 1
2 How Can It Help You ? 1
Part 2 Requirements 2
1 Network Adapters Setup 3
2 Network Topology Examples 7
Part 3 HotSpot Setup 9
1 Pre-installation Steps 9
2 HotSpot Installation 10
3 Setup Wizard 12
Part 4 Network Configuration 16
1 Network Setup 16
2 DHCP Settings 18
3 Filtering 20
4 Speed Boost 22
5 Autologin 23
6 WiFi Locations 23
Part 5 Database Server 27
1 Database Settings 28
2 Database Maintenance 29
3 Importing Accounts 31
4 Accounts Print and Export 32
5 Database Backup 33
6 Connecting Multiple HotSpots 34
Part 6 Login, Signup and Logout 36
1 Login 36
2 SignUp 39
3 Logout 40
Part 7 What is User, Ticket and Refill ? 41
Part 8 Creating Accounts 42

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1 Generate Accounts 42
2 Modify Generate Options 44

Part 9 Customer Accounts 46

1 Account Info 47
2 Manage Generated Account 48
3 Customer Details 50
4 Customer Photo 51
5 Invoices 52
6 Updating Accounts 53

Part 10 Operator Panel 54

1 User Interface 55
2 Remote Operator 56

Part 11 Internet Plans 58

1 Defining an Internet Plan 58
2 Bandwidth Limits 60
3 Additional Options 62
4 Usage pricing 63
5 Taxes 64
6 Discounts 65

Part 12 Credit Card Processing 66

1 PayPal 66

Part 13 Schedule 69

Part 14 URL Tracking 70

1 URL Tracking 70
2 URL Keywords 71
3 URL Blacklist 72
4 URL Whitelist 73
5 Web Filter 74

Part 15 Whitelist 75

1 MAC Whitelist 75
2 IP Whitelist 76
3 Host Whitelist 77
4 MAC Blacklist 78

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Part 16 HotSpot Access Rights 79
1 Main Administrator Password ... 79
2 Creating Employee Accounts ... 79
Part 17 Advertising with HotSpot Click 81
1 Starting HotSpot Click ... 83
2 Ads ... 84
3 Coupons ... 86
4 Announces ... 87
5 Statistics ... 88
6 Options ... 90
Part 18 Free Access 91
1 Free Access Limits ... 92
2 Free Access Daily Limits ... 93
3 Free Access Options ... 94
Part 19 HotSpot Pages 95
1 Default page ... 95
2 Customize ... 99
3 Themes ... 100
4 Sign Up Settings ... 102
5 Collecting Customer Details ... 104
6 Welcome Page and Options ... 105
7 SSL Certificate ... 107
Part 20 Social Networks 109
1 Social Accounts ... 109
2 Social Buttons ... 110
3 FaceBook API ... 111
4 Twitter API ... 111
5 VK API ... 112
6 LinkedIn API ... 112
7 Google + ... 112
Part 21 E-mail Notifications 113
1 Email Setup ... 113
2 Notifications ... 114
3 SMTP Redirect ... 114

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Part 22 Options 116
1 Company Info 116
2 Receipt Printing 117
3 Miscellaneous Options 118
4 API Integration 121
5 SMS Provider Setup 123
6 Active Directory Integration 124
7 Central Server 125
8 Watchdog Setup 127
9 Windows Service 128
Part 23 Statistics 129
1 Dashboard 129
2 Usage Reports 133
3 Statistics 134
4 User Data 136
5 Emails 137
6 Surveys 142
7 Surveys Coupons 148
8 Bills Report 156
9 HotSpot Log 157
10 URL Log 158
11 Connection Log 160
12 Realtime usage 161
13 Monitoring 161
Part 24 Language Editor 163
Part 25 Licensing 165

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1 Introduction

1.1 What is Antamedia HotSpot ?

Antamedia HotSpot is a WiFi Hotspot management software which helps you in controlling and billing your customers for the Internet usage. Antamedia HotSpot does not require any client software installations. It uses captive portal technology to display login page in the customer browser. Upon connecting to your network (using WiFi or cable), customer will be prompted to enter valid username and password to get the Internet access. After successful login, your customer will see the remaining time and bandwidth quota, expiration date and other relevant info. HotSpot keeps track of customer usage and shows warning message when the account is due to expire, helping a customer to refill the account and continue using your service without interruption. Software includes billing, statistics and reporting with many useful features. It is hardware independent and you can use any type of access points, routers, switches and other equipment to control your Internet.

1.2 How Can It Help You ?

WiFi is a top amenity in today's hospitality. Offering free WiFi or high-speed Internet increases occupancy and guest satisfaction. With Antamedia HotSpot you will be able to:
- create free WiFi or offer higher speeds for a fee or to selected members
- easily create separate logins for lobby, rooms, beach or restaurants with different look and access level - free or paid
- integrate with your PMS system to automate Internet access. Guest will login with a room and name
- control and monitor Internet access in your guest rooms for any wired and wireless device
- provide reliable wireless Internet access in your restaurant, lobby and conference rooms
- maintain secure access to the Internet resources outside the hotel, like on golf courses or by the hotel pools.

Highly customizable user accounts are the major advantage of our solution. You can create limited accounts by time and bandwidth quota, configure daily time limit, number of daily logins, number of simultaneous logins, usage schedule (happy hour, nighttime, daytime, weekends ...) etc. In addition, it's very easy to offer paid Internet access with higher speeds, quota or unlimited daily or monthly access.

Flexible architecture makes it suitable for different locations like restaurants, coffee shops, airports, cruise ships, train stations, motels... Customers can sign-in online and pay using credit card or tickets can be printed in advance and sold by front desk staff, receptionist, bartender, cybercafe operator, or by a vending machine. Antamedia does not collect any fees, full revenue goes to you.

Antamedia HotSpot has advanced architecture which allows both simple and very large networks. You can start offering WiFi services and grow slowly by adding new access points, connect different city areas, one step a time, making you an Internet Service Provider. All accounts may be stored in a central database which is included free of charge. Your customers will be able to connect to any WiFi HotSpot with their account.

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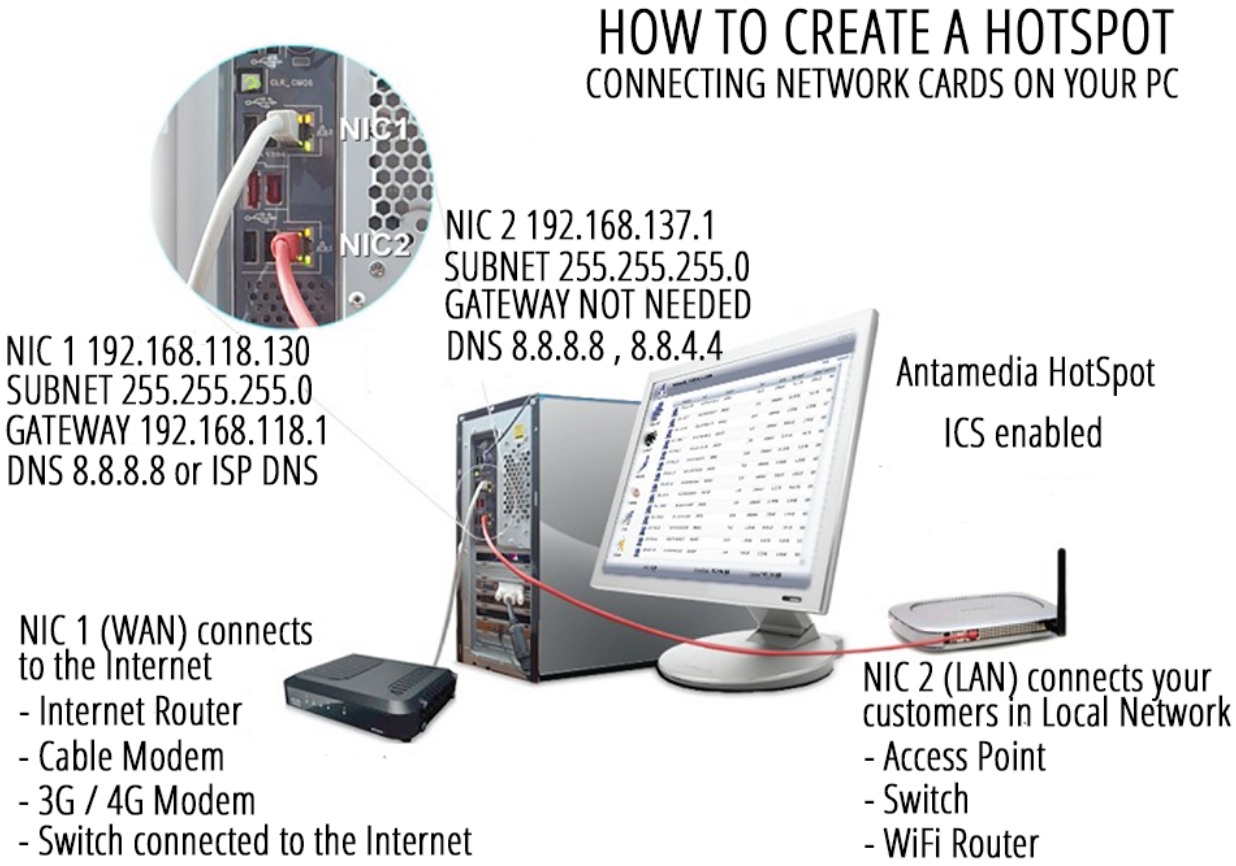
2 Requirements

In order to control wireless users, Hotspot software has to be set up on a gateway computer in your network. For minimal Hotspot configuration you need 3 devices:
- Hotspot gateway PC
- Internet modem/router
- Wi-Fi device for providing access to users (Wi-Fi router or access point)

System requirements for Hotspot gateway PC:
CPU: 2 gigahertz (GHz) or faster 64-bit (x64) processor
RAM: 4 gigabyte (GB)
NIC: 2 network interface cards, for maximum performance we recommend using Intel PRO/1000 (EXPI9400PTBLK) network adapters
OS: Windows Server 2003, Server 2008, Server 2012, XP, Vista, Windows 7, Windows 8.1, Windows 10. We recommend Windows Server OS with DHCP and RRAS roles configured within OS.
We strongly encourage you to install HotSpot on SSD drive because it can significantly improve software performance. Most modern computers have one network card built in, the other one you will need to purchase and install to computer's PCI slot. Please connect one network card to the Internet router and other one to Wi-Fi device that your customers will use to access Hotspot. If you plan to use a Wi-Fi router to provide access for customers, please connect it to Hotspot server PC using LAN (not WAN) port.



Please note that the Hotspot server network cards cannot be bridged. Hotspot (Internal) network should work in a different IP range than the External network. Please refer to the diagrams for the example IP settings.

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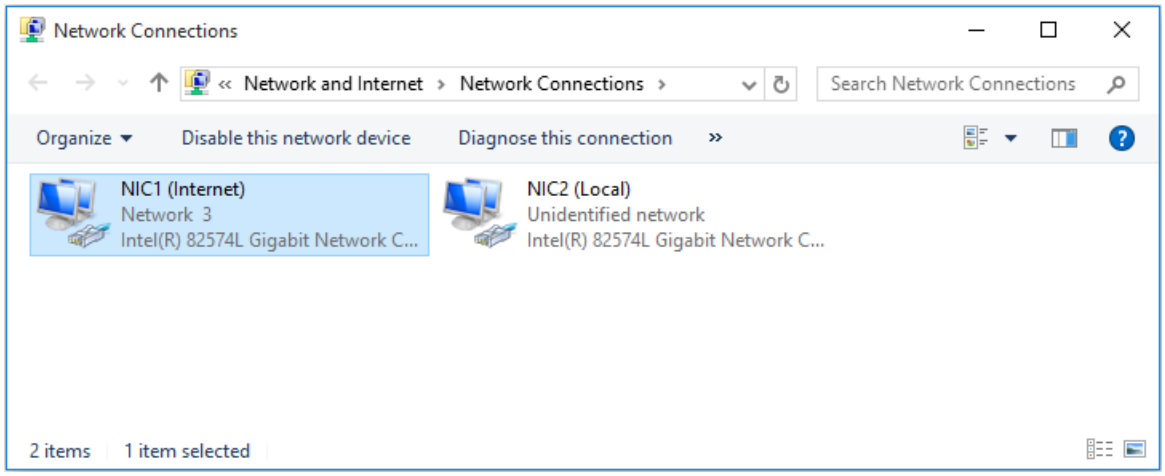
2.1 Network Adapters Setup

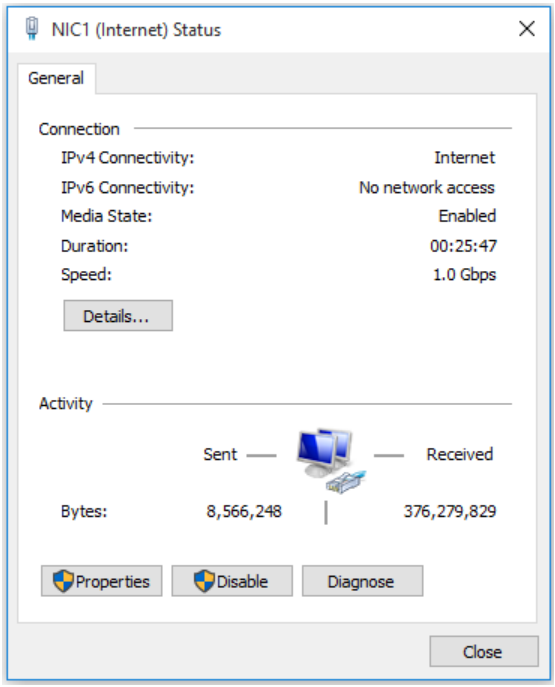
Here are detailed step by step instructions how to set gateway computer network adapters to work with HotSpot NAT, Windows RRAS, Windows DHCP Server role or ICS:

✓ **Static IP address** is configured **on NIC1**, the network card connected to the Internet router/modem.

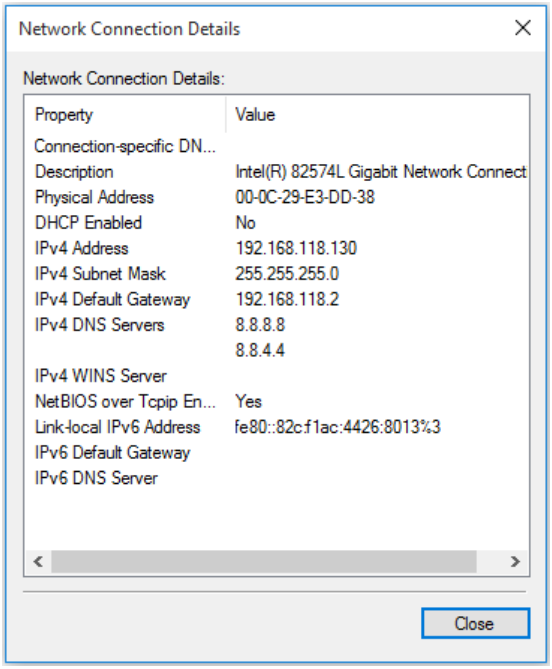
- It is recommended to set same IP address that is already assigned dynamically by router.
- To see which IP NIC1 has currently assigned, go to Windows Control Panel - Network and Sharing Center screen
- Click on Change adapter settings link and double click on the NIC1 (Internet) network adapter



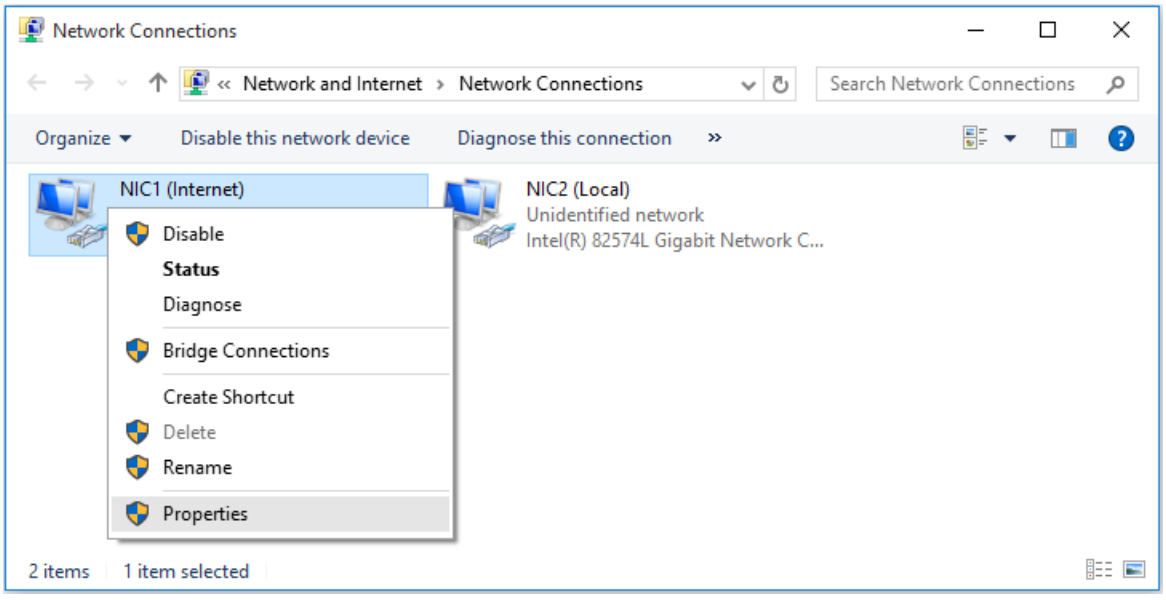
- From General tab press on Details button.



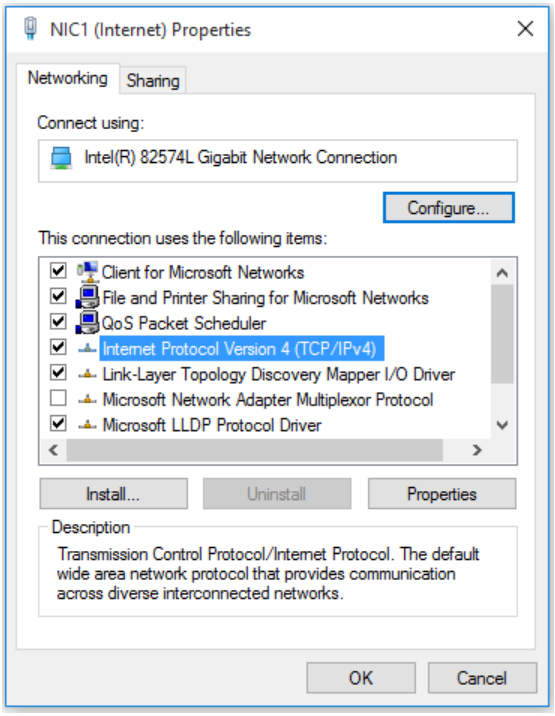
- Here you will see all current network
- connection details that you need to set as static



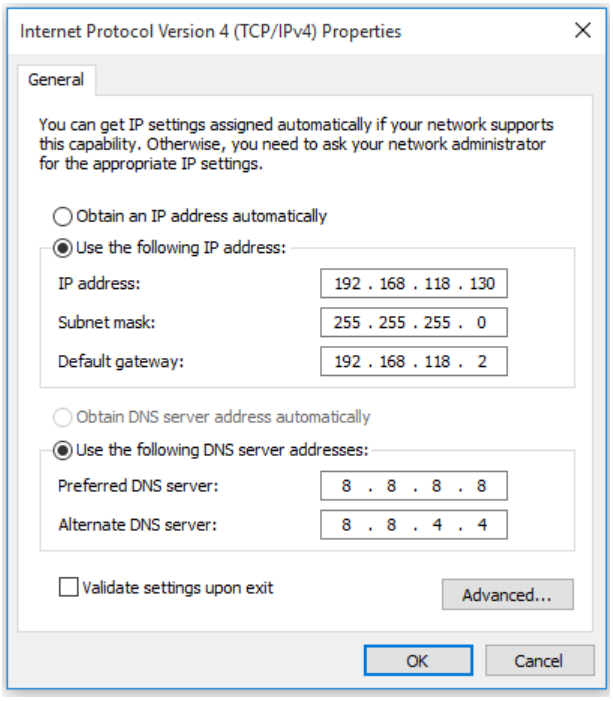
- After that go to Windows Control Panel – Network and Sharing Center screen.
- Click on Change adapter settings link.
- Right-click on NIC1 (Internet) and select Properties from menu.



- Select Internet Protocol Version 4 (TCP/IPv4) and click Properties button.



- Click Use the following IP address radio button and enter details that you get from ipconfig previously



- Enter IP address (e.g. 192.168.118.130)
- Click in Subnet Mask field, value will be set automatically based on IP address, be sure that is same as in Network Connection Details
- IP address of the default gateway (IP of the Internet router).
- Enter DNS addresses, it is recommended to use DNS addresses of your ISP or public DNS service such as Google (8.8.8.8, 8.8.4.4).
- Click OK and close all dialog windows

✓ **Static IP address** is configured on **NIC2**, the network card connected to your internal network.

Please note that for this card you need to configure IP address (e.g. 192.168.9.1) and subnet mask (e.g. 255.255.255.0) but not Gateway IP

✓ **Note:** that Internet modem/router cannot be used as DHCP server for your local network clients. DHCP server must be configured only for the local network. Windows 7, Windows 8.1 and Windows 10 DHCP Server can not provide more than 253 IP addresses for local network. If you want to use more than 253 addresses you can set it from Windows Server 2003, Windows Server 2008 or Windows Server 2012 DHCP Server role. Also, you will need to set subnet mask which will give you this ability. Be sure that you prepare all network devices on local network to use same subnet mask. Bellow are some of examples

IP range (network - broadcast)	Subnet Mask	IP Quantity
192.168.137.0 - 192.168.137.255	255.255.255.0	256
192.168.136.0 - 192.168.137.255	255.255.254.0	512
192.168.136.0 - 192.168.139.255	255.255.252.0	1024
192.168.136.0 - 192.168.143.255	255.255.248.0	2048
192.168.128.0 - 192.168.143.255	255.255.240.0	4096
192.168.128.0 - 192.168.159.255	255.255.224.0	8192
192.168.128.0 - 192.168.191.255	255.255.192.0	16384
192.168.128.0 - 192.168.255.255	255.255.128.0	32768
192.168.0.0 - 192.168.255.255	255.255.0.0	65536

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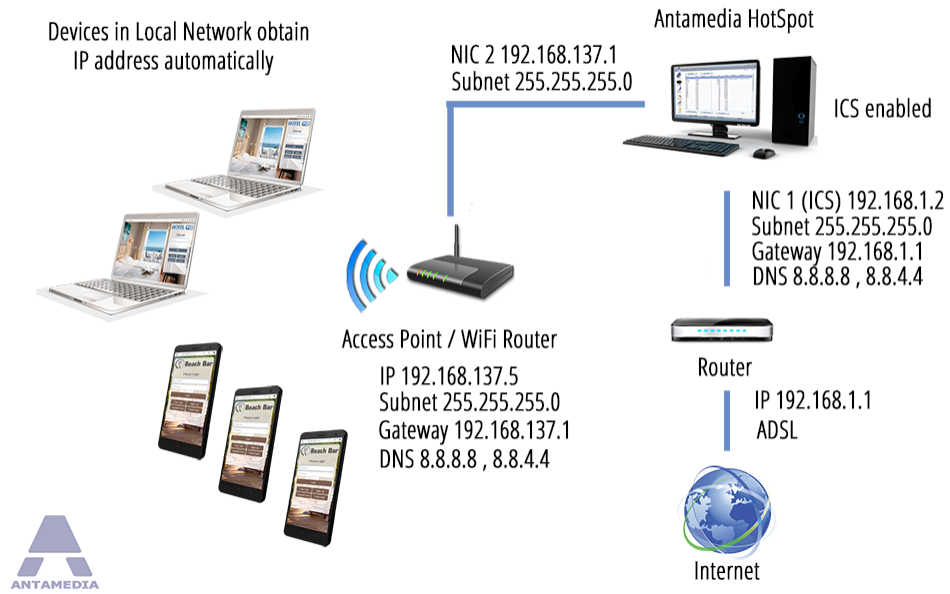
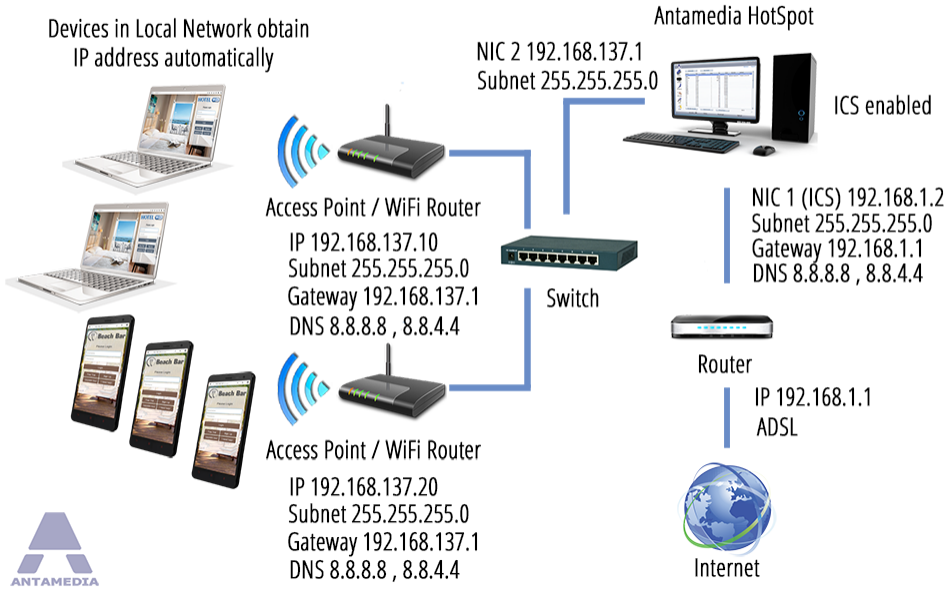
2.2 Network Topology Examples

Here you can see several network topology examples that can give you better insight into how you should set switches, access points and routers on a local network in order to control it from HotSpot gateway PC.

NETWORK TOPOLOGY EXAMPLE



NETWORK TOPOLOGY EXAMPLE



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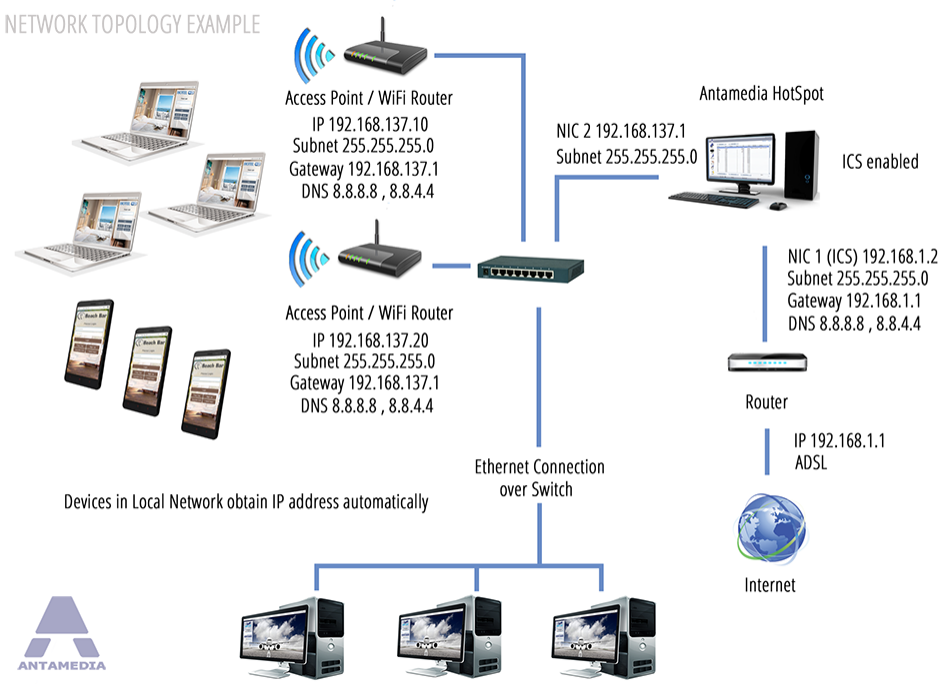
NETWORK TOPOLOGY EXAMPLE
Access Point / WiFi Router
IP 192.168.137.10
Subnet 255.255.255.0
Gateway 192.168.137.1
DNS 8.8.8.8 , 8.8.4.4
Antamedia HotSpot
NIC 2 192.168.137.1
Subnet 255.255.255.0
ICS enabled
NIC 1 (ICS) 192.168.1.2
Subnet 255.255.255.0
Gateway 192.168.1.1
DNS 8.8.8.8 , 8.8.4.4
Access Point / WiFi Router
IP 192.168.137.20
Subnet 255.255.255.0
Gateway 192.168.137.1
DNS 8.8.8.8 , 8.8.4.4
Router
IP 192.168.1.1
ADSL
Ethernet Connection
over Switch
Devices in Local Network obtain IP address automatically
Internet
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3 HotSpot Setup

3.1 Pre-installation Steps

Before installing Antamedia HotSpot software, please ensure that following conditions are met:

✓ Windows account on which software will be installed and used must has **administrative** privileges.

✓ Windows **User Account Control** is set to Never Notify level.

- Go to Windows Control Panel – User Accounts screen
- Click on Change User Account Control settings link
- Move the slider to Never Notify level and click OK
- Restart the computer to apply changes

✓ Windows **Smart Screen** is turned off.

- Go to Windows Control Panel - Security and Maintenance screen.
- Click on Change Windows Smart Screen settings
- In new window select "Don't do anything (turn off Windows Smart Screen)" and press on OK
- Restart the computer to apply changes

✓ Windows **Defender exclusions** are set.

- Go to Windows Control Panel - Windows Defender and click on Settings.
- Exclusion section press on "Add an exclusion" to exclude C:\Antamedia folder.
- Restart the computer to apply changes

✓ **Static IP address** is configured **on NIC1**, the network card connected to the Internet router/modem.

✓ There are no applications running on gateway PC that are using port 78, 80, 81, 82, 443, 463, 614, 12010, 1700, 1812, 1813 (IIS, proxy software).

✓ Set computer to act as gateway on network using Windows Internet Connection Sharing / Routing and Remote Access with DHCP Server role or with HotSpot NAT.

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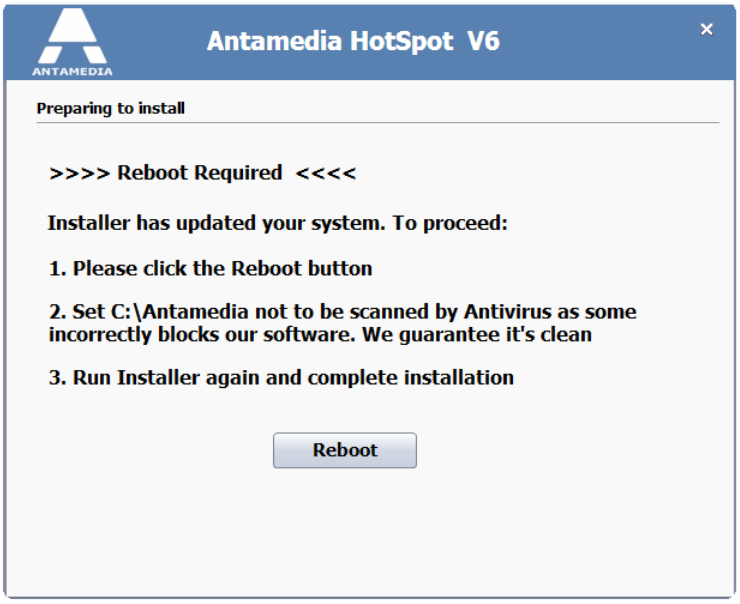
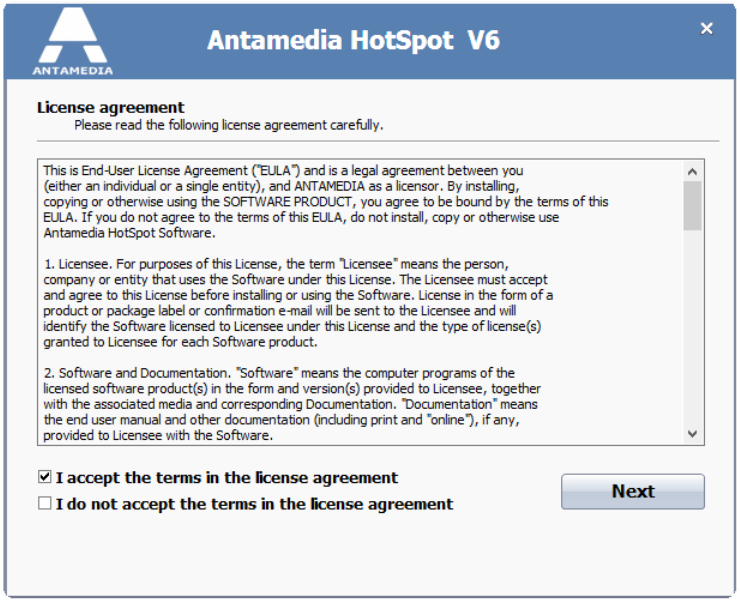
3.2 HotSpot Installation

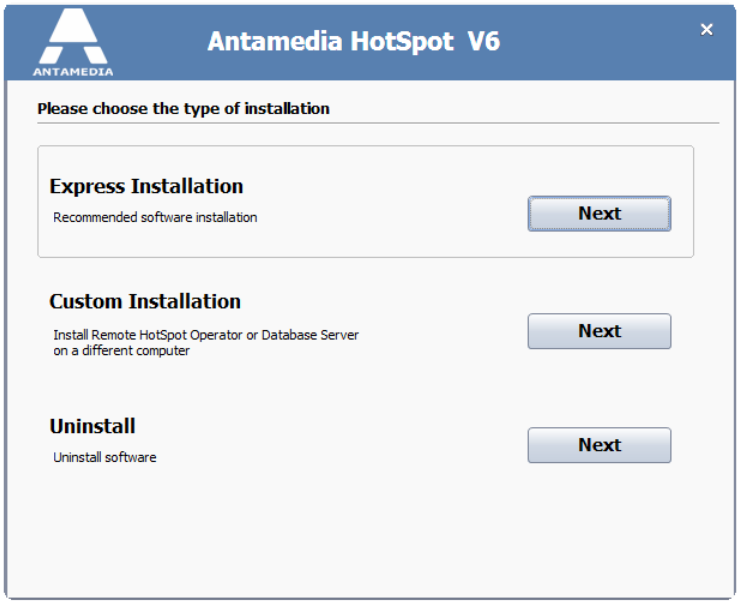
Once when pre-installations steps are done you can proceed with HotSpot software installation. As soon you start HotSpot software installer on computer you will get notification "**Reboot Required**"



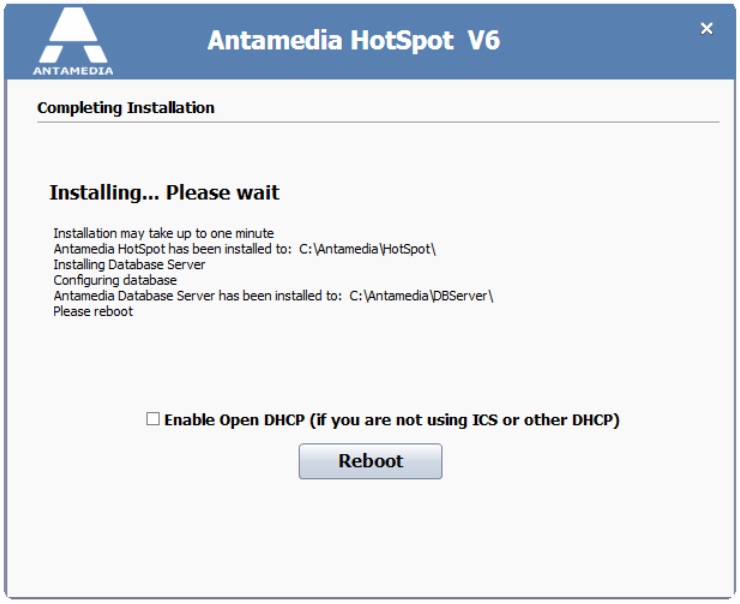
After that start HotSpot installer if it is not started automatically. Select "**I accept terms in the license agreement**" and press on Next



New window will give you option to choose between **Express Install**, **Custom Install** or **Uninstall**. We recommend you to select **Express Install** and press on **Next**.

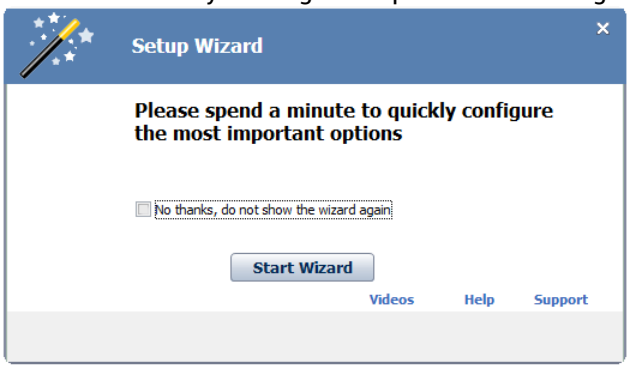


During **HotSpot installation** process you will be informed about current installation of required drivers, Database Server and creating of required files. **Reboot** is required when process in completed.

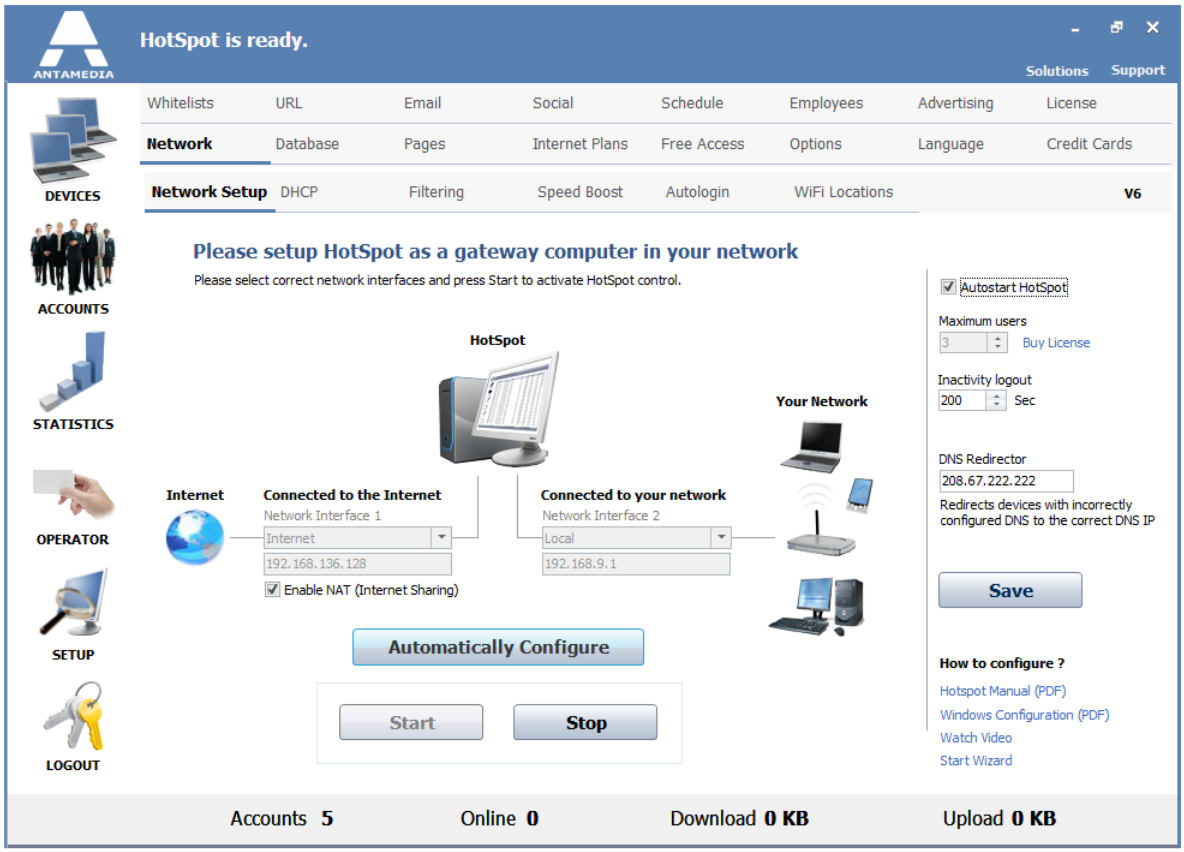


3.3 Setup Wizard

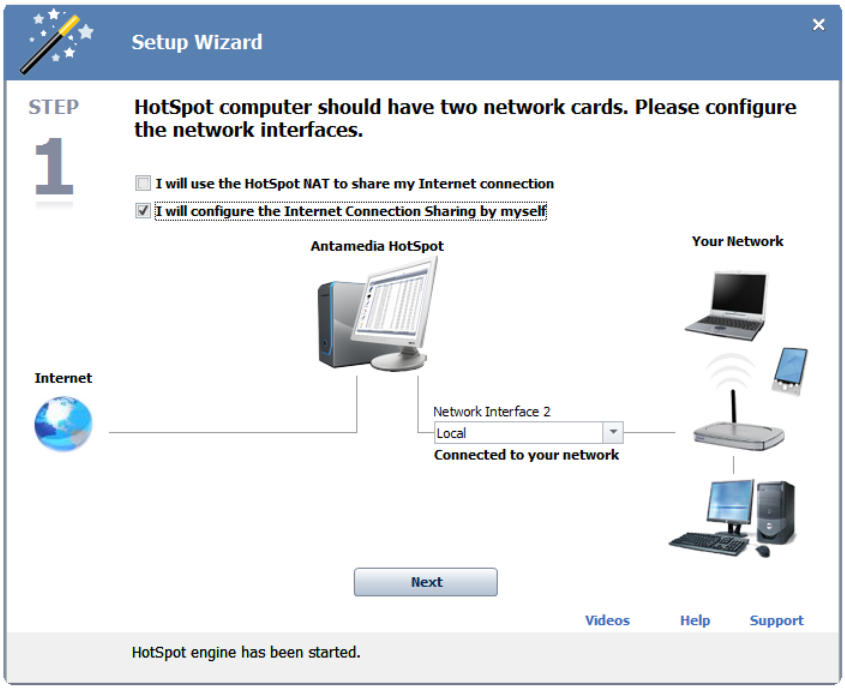
After reboot login on HotSpot. As soon it is started you will get Setup Wizard that will guide you through basic setup.



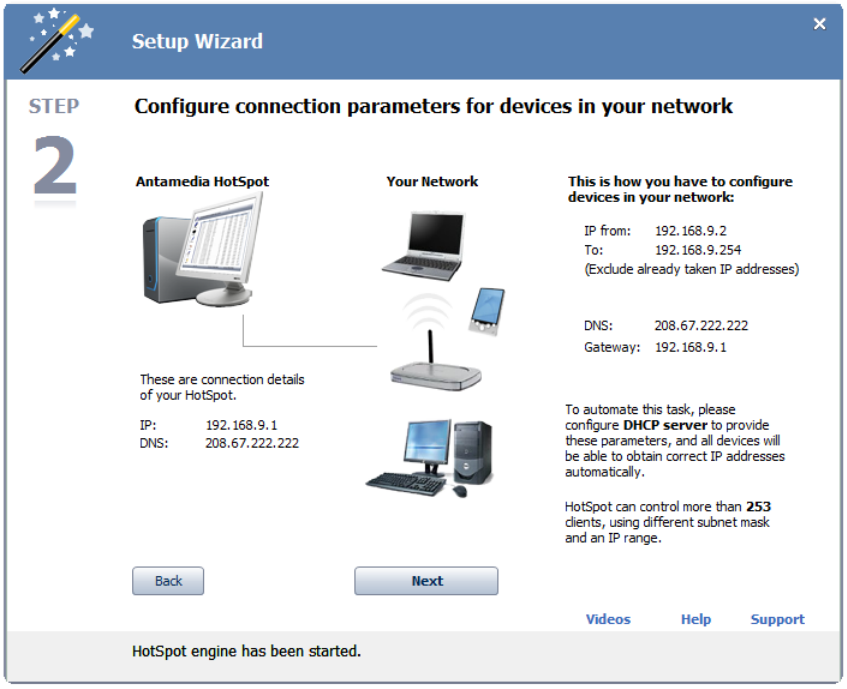
If you select :No thanks, do not show wizard again" and press on Close button, you will need to go to **Setup - Network** tab and to set manually network adapters and autostart. Then press on **Save** and **Start** button.



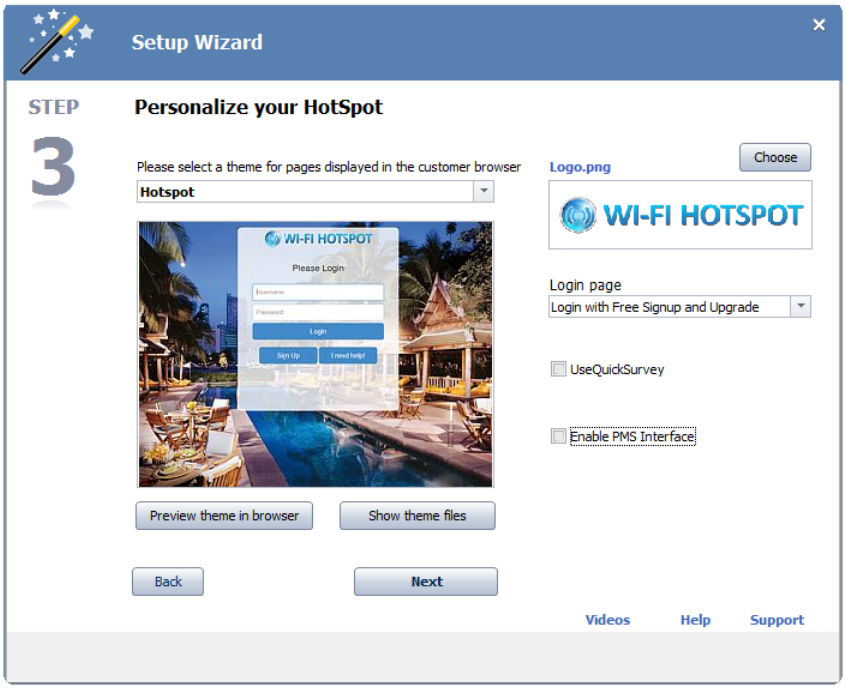
If you click **Start Wizard** button, you will get ability to choose between two methods used for setup computer as gateway. First is HotSpot NAT and second is Windows connection sharing. Select your method and press on Next to continue.



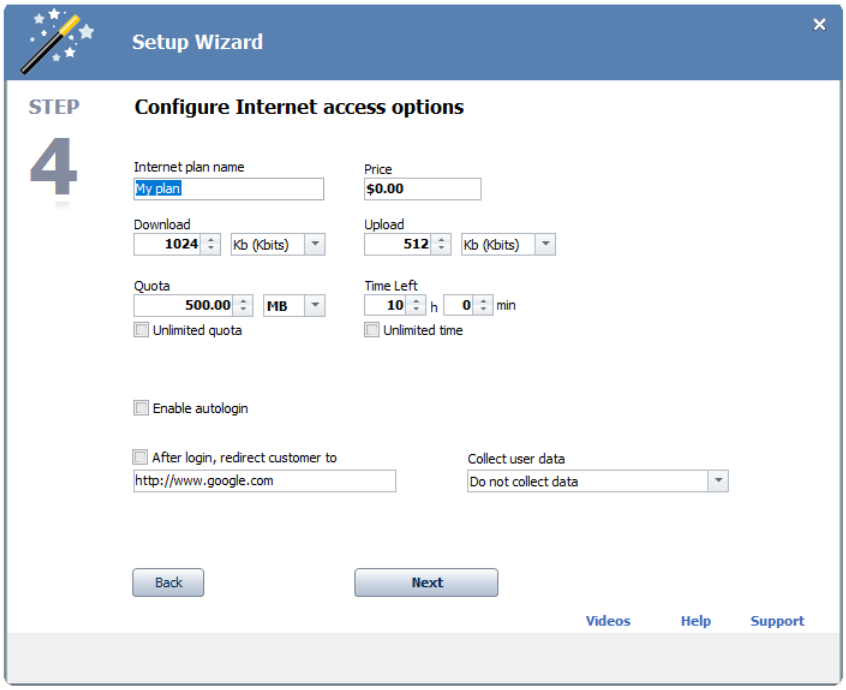
From new window you get instructions what are computer requirements and how to set i as gateway on network. Press Next to continue.



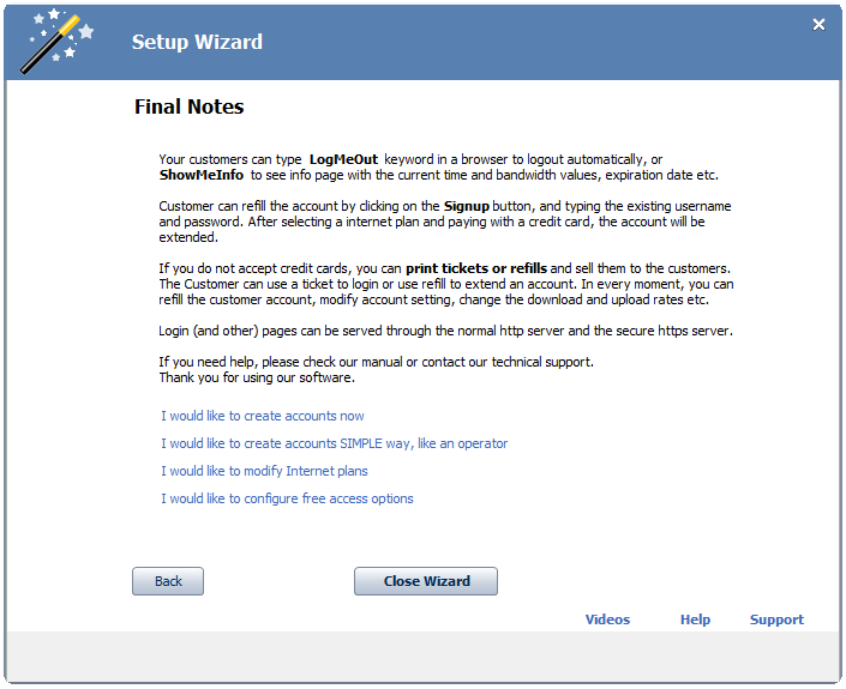
This windows give you ability to Personalize your HotSpot using Theme, Logo, Login page, use of Quick Survey or PMS Integration. Press Next to continue.



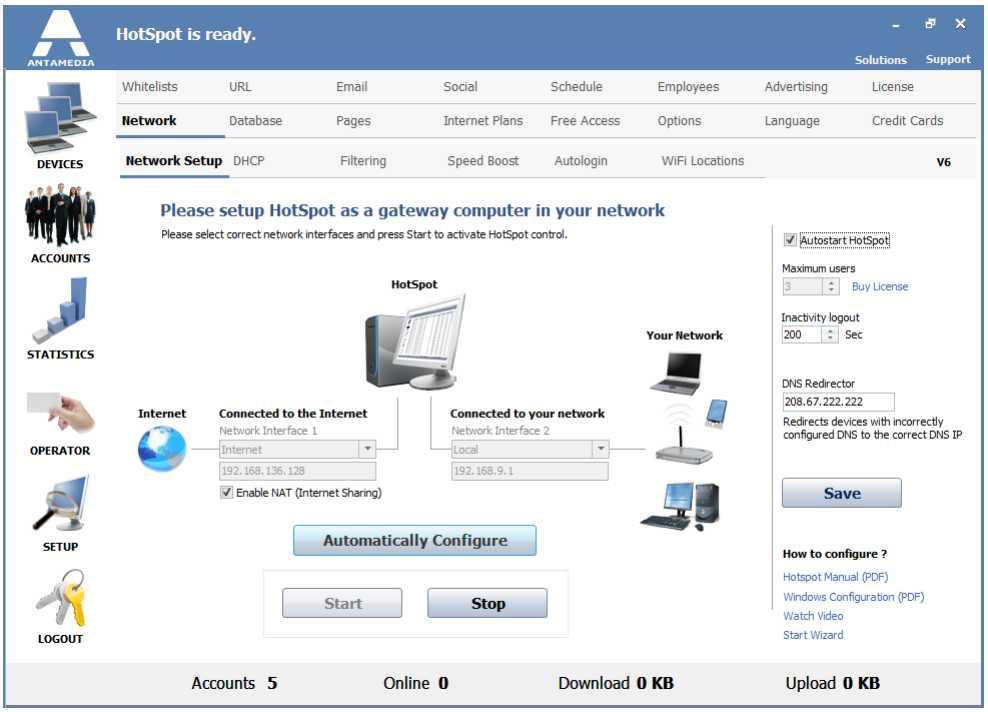
Next Window give you ability to set and Configure Internet access options using plan. Press Next to continue.



Last window give Final notes regarding setup of HotSpot software. Press on Close Wizard to stop it.



Be sure that network connections are properly selected from Network and press on **Start**

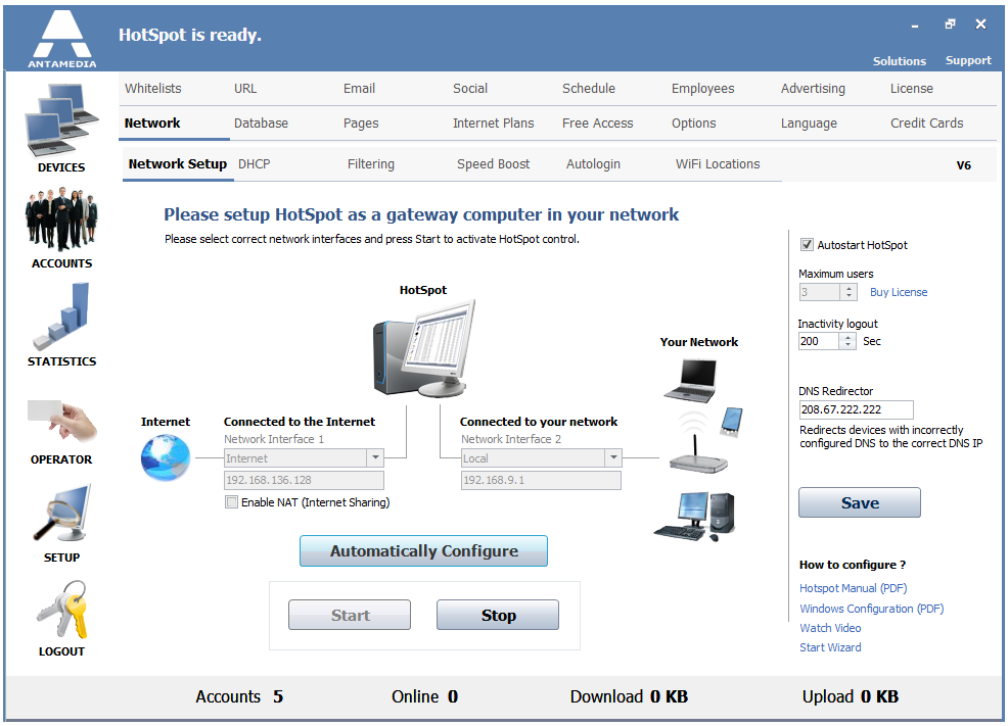


4 Network Configuration

4.1 Network Setup

Network Setup page shows the following options:

Network Interface 1	Network interface which connects to your Internet router, modem, 3G-4G modem etc.
Network Interface 2	Network interface which connects HotSpot to your client network
Autostart HotSpot	Automatically starts HotSpot control when program starts
Maximum users	Maximum number of users connected at the same time
Inactivity logout	Automatically disconnects a user after specified time of inactivity
DNS Redirector	Redirect devices and computers from local network to Internet based on DNS
Start	Press Start button to activate HotSpot control
Stop	Press Stop button to deactivate HotSpot control
Save	Save network settings



The first step in setting up the HotSpot is sharing Internet connection. This step is required in order to allow all customers in your network to access the Internet.

There are several ways to share the Internet connection. It can be done by:

- Using **Antamedia HotSpot NAT (Network Address Translation)**. Setup Wizard will help you to configure NAT and give you sample how to configure connections of computers in your network
- Using **Microsoft Internet Connection Sharing** available in Windows operating system
- Using **Routing and Remote Access** available in Windows Server editions

After you configure Internet sharing, please select **Network Interface** which connects your network to the HotSpot. On the selected network interface HotSpot will activate the integrated Web Server which is used to display all pages to customers, like login, logout, info and welcome pages. By changing the network interface, **IP address** will be automatically filled in. Please enable **Autostart** and press the **Save** button to store your settings.

The last option to configure is **DNS redirector.** Please type here one of the DNS addresses specified by your Internet service provider, or any other working DNS server. This option helps in cases when customer has incorrectly configured DNS address. HotSpot will redirect client to the correct address and DNS query will be resolved.

The last step is clicking on **Start** button for activating HotSpot engine. From that moment your customers should see login page in their browsers in attempt to connect to the Internet.

If login page doesn't appear, please check pre-installation steps 9

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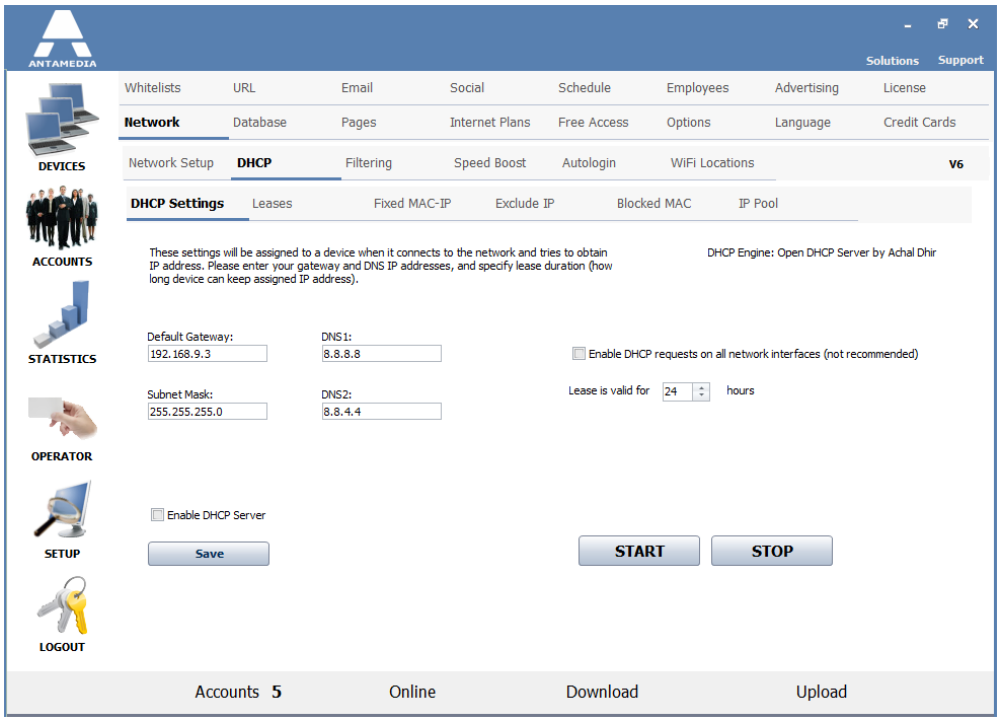
4.2 DHCP Settings

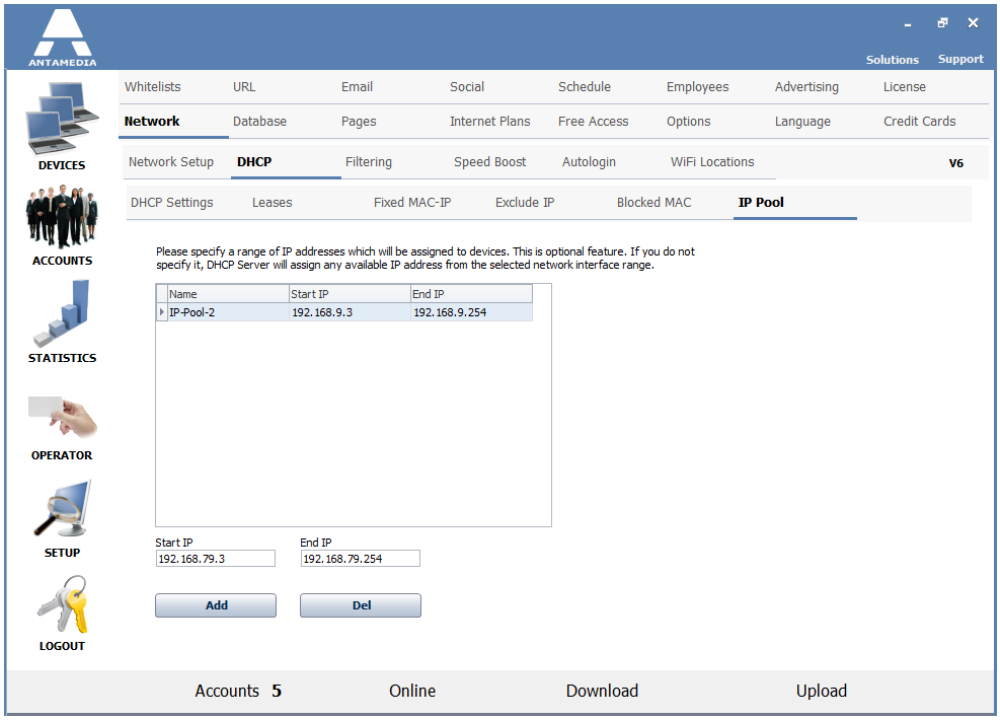
Manually assigning IP addresses without a DHCP server can create havoc on your client network. Antamedia Hotspot comes with built-in free OpenDHCP server, which can be used to assign dynamic IP addresses to client devices on client network.

Before you can start using it, proper IP settings have to be configured. Please go to **Hotspot - Setup - Network - DHCP** page and open **DHCP Settings** tab. Following settings need to be configured:

Default Gateway	As Default Gateway address enter IP address of NIC2 (LAN) adapter in this field.
Subnet Mask	Value in this field has to match value set in IP properties of NIC2 (LAN) adapter.
DNS1, DNS2	It is recommended to use DNS addresses of your ISP or public DNS servers such as Google's (8.8.8.8, 8.8.4.4).
Lease is valid for___hours	This option determines how long client devices can keep assigned IP address. It is recommended to set value of 8 hours for wireless networks.



A pool of available addresses is automatically created based on IP settings of NIC2(LAN) adapter. If you need to add a new pool or modify existing, it can be done on the page under **IP Pool** tab.



After you configure these settings, check **Enable DHCP** server and click **Save** button. Restart Hotspot and DHCP will start automatically with it.

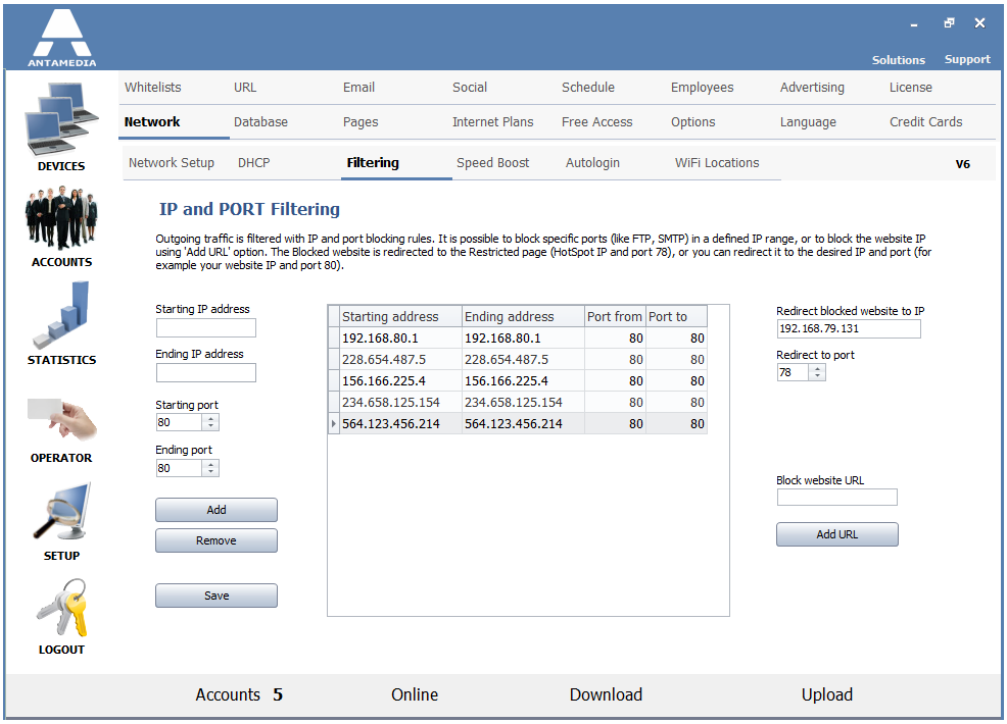
4.3 Filtering

Antamedia HotSpot provides a feature to block access to specified hosts and ports. You can use it to block access to certain websites, FTP servers, Email servers, P2P programs or a complete IP or PORT range. This feature controls the outgoing traffic - what customers are trying to access.

To configure filtering, please enter the desired values in the following fields:

Starting and Ending IP address Defines starting and ending IP of the range you wish to block
Starting and Ending port Defines starting and ending port of the range you wish to block

Please click Add button to add the defined rule to the list. To remove specified rule from the list, please select it with left mouse click and press Remove button. When you finish adding rules, please press the Save button.



Blocking a website with Antamedia HotSpot is a simple task. To block the desired website, please enter URL address in the Block website URL field and press Add URL button.

Please type URL without http://. For example, if you type www.porn.com and press Add URL, HotSpot will resolve IP address where this website is hosted and store the IP address and the port in the restricted list (like 64.89.23.139 and port 80).

The blocked websites are redirected to a restricted web page. By default, HotSpot is serving the restricted page from the port 78 and HotSpot IP address. You can configure the text which appears on the restricted web page in HotSpot - Setup - Pages - Customize page, by editing Restricted page (Setup-Pages_.htm. Please restart HotSpot after these page modifications.

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If you do not wish to show the restricted page, but instead you wish to redirect customer to desired website, you can modify default settings. Please enter IP in Redirect blocked website to IP field, and port in Redirect to port field. If you are redirecting to your website, please enter your website host IP and the port 80.

All restricted traffic on ports, apart from port 80, is simply blocked. If you have the configured rules to block FTP, SMTP and the other ports, a customer will not be able to access these services. There are no restricted messages in this case.

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4.4 Speed Boost

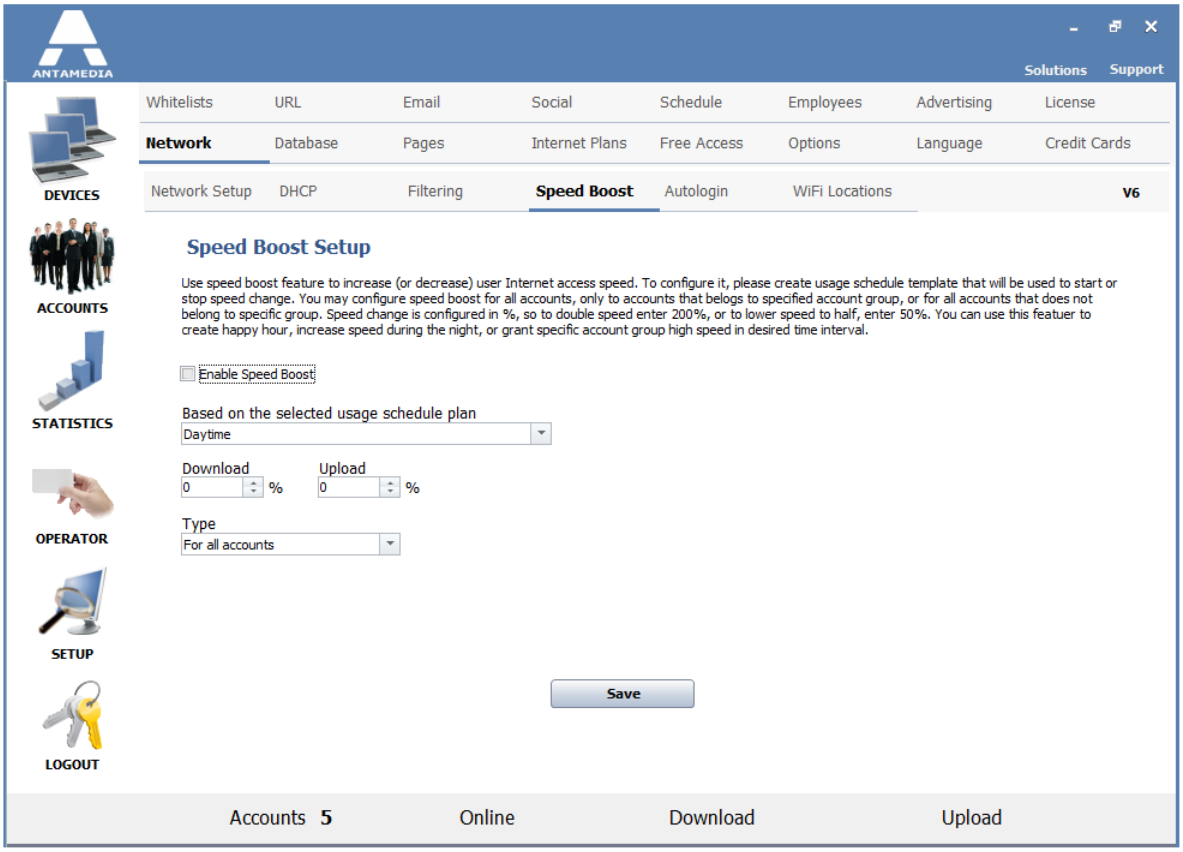
Speed Boost option can be used to increase or decrease user Internet access speed during specific time interval. You can use this feature to create happy hour, increase speed during the night, or grant specific account group high speed in desired time interval. To configure it, please create usage schedule template that will be used to activate speed change.

You may configure speed boost in several ways:

- for all accounts,
- only for accounts that belongs to specified account group,
- or for all accounts that does **not** belong to specific group.

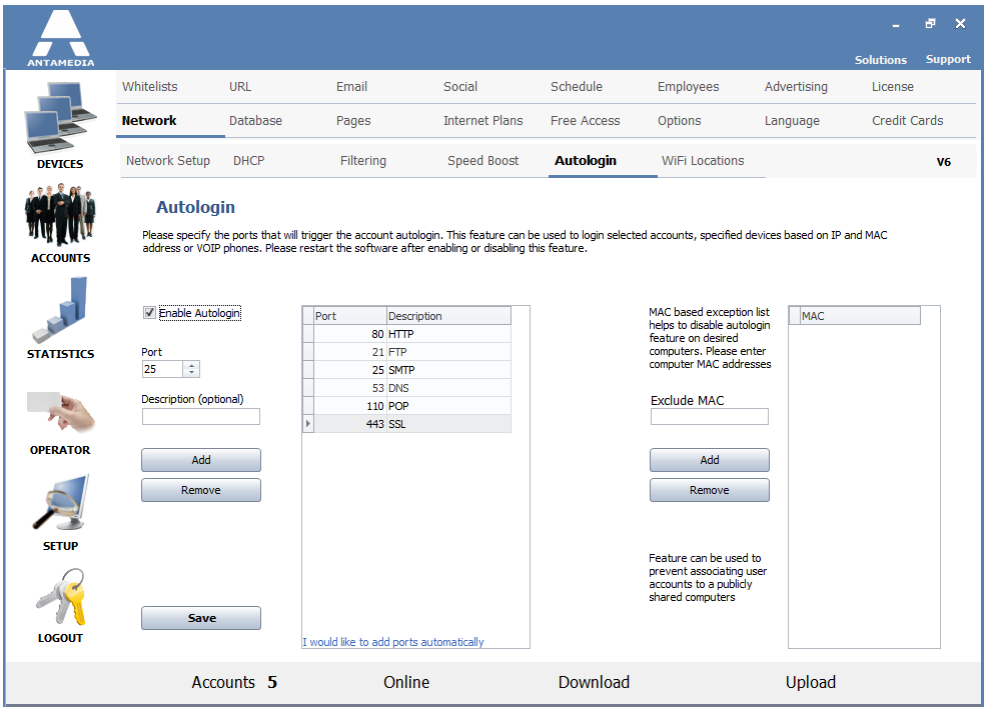
Speed change is configured in **%.** To double speed, please enter 200%, or to lower speed to half, enter 50%.

Enable Speed Boost	Select it to activate speed boost.
Based on the selected usage schedule plan	From drop-down menu select usage schedule plan that will be used for speed boost.
Download	Set download speed boost in percents.
Upload	Set upload speed boost in percents.
Type	From drop-down menu select type of accounts to which speed boost will apply (for all accounts, only for account group or for all accounts except group)



4.5 Autologin

Autologin feature automates the login process since a customer does not need to enter a username and password. As soon as a customer connects to your network, HotSpot will detect it and automatically login customer device. This way a customer skips the login page and has a feeling that the computer or device is always connected to the Internet. However, HotSpot will track customer usage and logout account in case of inactivity.



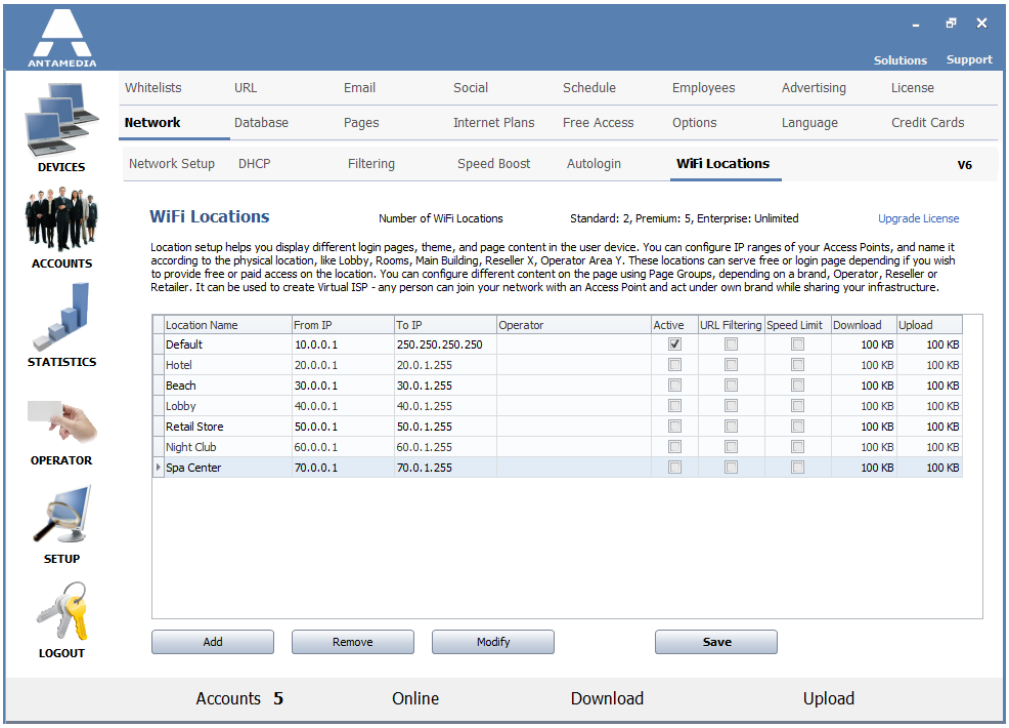
How to configure Autologin ?
1. You have to **Enable Autologin** globally in the software
2. In **Manage Account** page please **Enable Autologin** to allow autologin for that account. By default, this option is enabled while generating the accounts so this step is usually not necessary.
3. Customer has to login initially in order to store MAC address of computer in HotSpot database. From that moment, autologin will be functional for that account. MAC address is stored in Account **Manage Account** page, in a field below **Fixed MAC** option.

This feature can be used to allow desired devices (like VOIP phones) to access network automatically. In order to do this, you have to create the accounts for each device and store its MAC address manually. You will also have to add VOIP ports that should trigger the autologin. By default, HTTP, FTP, SMTP, DNS, POP and SSL ports are stored in autologin ports list. This means that autologin will be activated if a customer tries to access the Internet by using any browser, FTP software or tries to send or receive Emails. You can add additional ports required for other applications. You can also disable autologin on some devices by adding their MAC address to the **MAC exception list**.

4.6 WiFi Locations

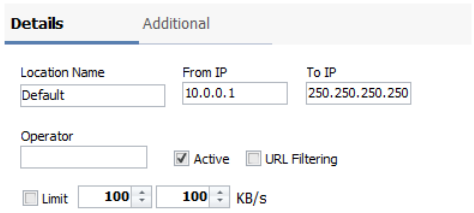
WiFi locations are used to display different login pages and themes in the user device, depending from which access point customer is trying to access the Internet. Each location is defined with IP range of the Access Points associated. It has a name according to physical location, like Lobby, Rooms, Main building, Reseller X, Operator Area Y. Locations can be configured to display free access or login page, depending if you wish to provide free or paid access. For example, in a hotel lobby you can provide a free service, while in the rooms you can offer only paid service. You can configure

different content on the pages depending on a brand, Reseller, Operator or Retailer. It can be used to create Virtual ISP - any person can join your network with an Access Point and act under own brand while sharing your infrastructure.

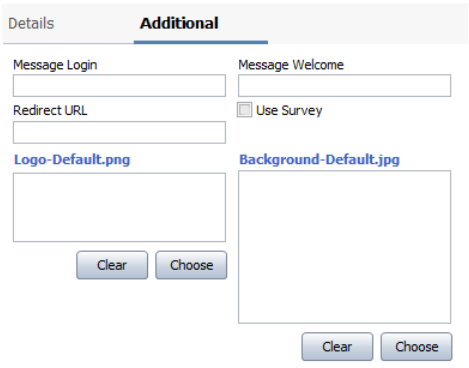


To create a new location go to HotSpot - Setup - WiFi Locations page. Select any of locations in list to get **Details** tab.

From Details tab configure Location Name, starting and ending IP addresses. Operator's name for location,URL Filtering and Limit is optional.



From Additional tab is configure Login message, Welcome message, different Redirect URL after login, activate Quick Survey, change Logo and Background for the location.
Click **Add** and **Save** button to apply changes.



Locations feature can be used in 2 scenarios:

1. Within the local network (LAN) where HotSpot server resides. HotSpot can be set up so that each location (an Access Point or group of them) displays login page with different settings (theme, free access/paid etc.). This functionality requires that all Access Points support DHCP server feature.
2. In Wide area network (WAN), routers on remote sites will connect to a centralized HotSpot server. Each one of these routers can represent a location in HotSpot with its own login page settings. HotSpot Cloud feature and compatible routers are required.

HotSpot software supports setting up both scenarios at the same time, if all requirements are fulfilled.

The following example will explain typical first scenario setup and give you an idea how to configure locations in a Hotel. Hotel's Hotspot server will be configured to display different type of login pages in the lobby, restaurant and rooms. In the lobby Hotspot login page should contain only ticket login form. Restaurant will provide free access with a predefined keyword. In the rooms guests will get a page with account login form and sign-up link. Alternatively, it can be switched to PMS Hotel login form, where a guest may authenticate using a room number and a guest name (PMS Interface module is required in this case).

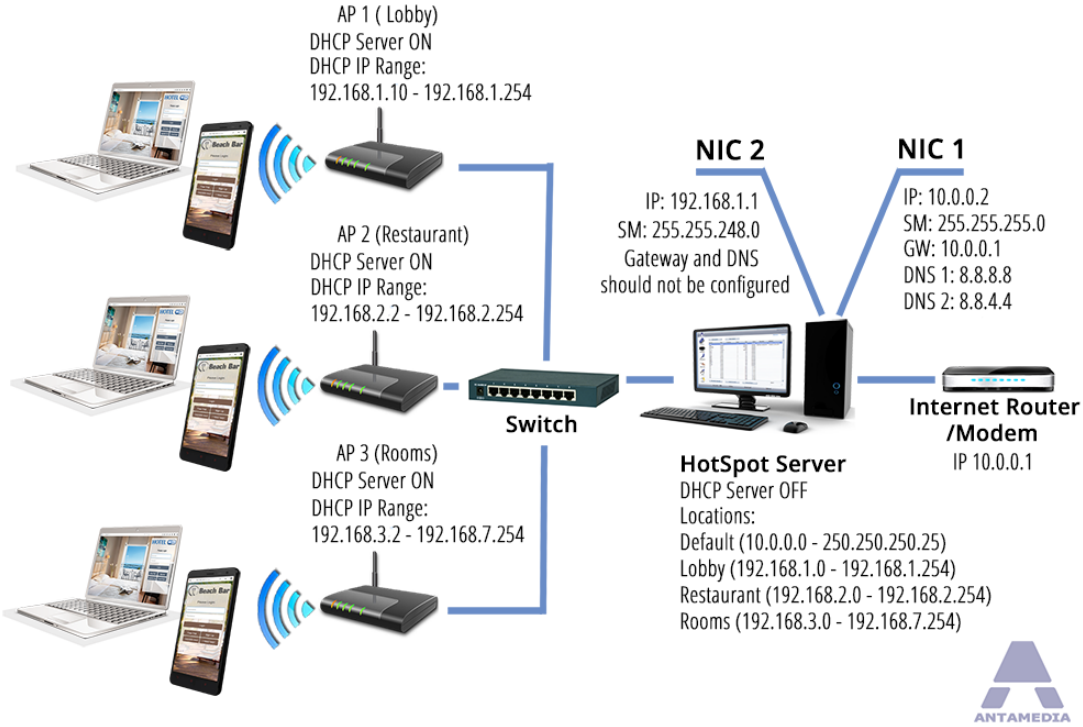


Diagram of the example network

This scenario can be configured with the following steps:

1. Hotspot network needs to be designed using the same principles as an example network diagram
2. IP range for each access point (location) has to be configured on HotSpot - Setup - WiFi Locations page
3. Access point on each location has to be set to act as DHCP server, with IP pool range configured to match the IP range configured for that location in Hotspot.
4. Login page settings should be configured for each location, this is done from HotSpot - Setup - Pages - Default page screen:

    4a. Select the location for which you want to define page rules

4b. Choose type and subtype of the default page.
4c. Select **Sign Up** method
4d. Configure Theme settings
4e. Click **Save** button

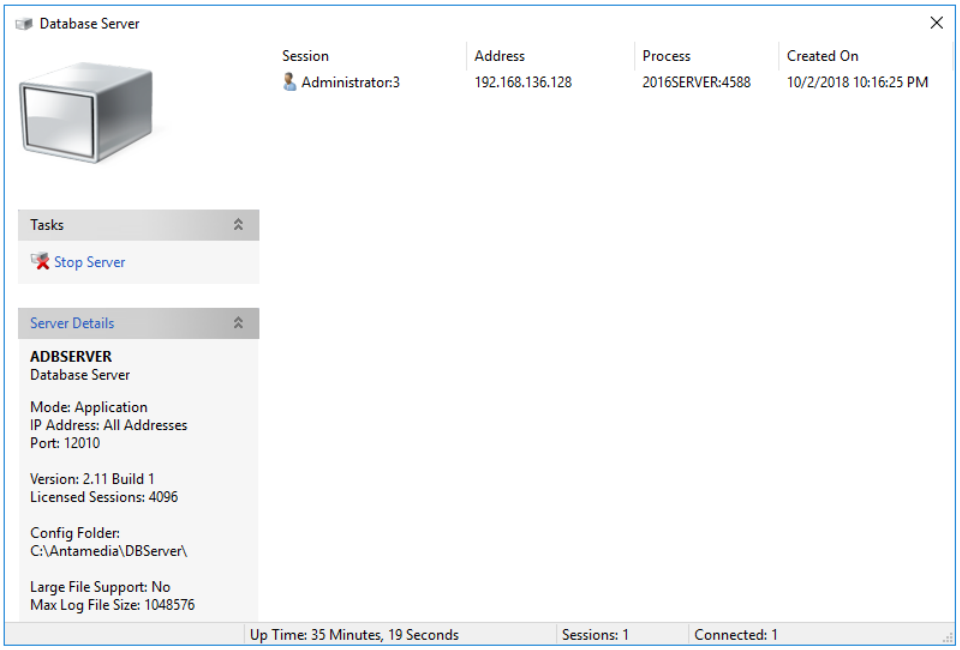
After the procedure is completed, users in each location should get a different login page, according to configured settings.

5 Database Server

Antamedia Database Server stores the data from Antamedia software (customers accounts, pricing plans, bills, statistics, reports, action log etc.). Database Server is installed from HotSpot Installer using Express Installation or using Custom Installation process when you need to select to install it separately from HotSpot package.

Database server can be installed on the same computer as Antamedia HotSpot or some other computer. For standard HotSpot installation and usage scenario Database Server can be located on the same computer, assuming that such computer is fast enough to handle all tasks. Please use Task Manager to monitor system resources and CPU usage. When idle, HotSpot and Database Server doesn't show any significant CPU usage. However, with large number of concurrent users, HotSpot and Database Server might reach 40-50% of CPU usage, and this is a sign to move Database Server to other computer or to get faster computer.

Upon installing Database Server, Installer will start ADBConfigurator (Antamedia Database Configurator) which will perform maintenance, update and add new database tables, stored procedures, triggers etc.



If you intend to run multiple HotSpots and share the accounts between these locations, you will have to install Database Server on a computer with Public IP address (accessible from Internet). This way, all HotSpots will be able to connect to one Database Server.

5.1 Database Settings

When the HotSpot is started for the first time, Setup Wizard will automatically configure **Database Server IP address.** If you have installed Database Server on other computer, please configure correct IP address.

Database settings page contains following options:

DBServer IP Address	IP address of the computer where Database Server has been installed. This IP is usually the same as HotSpot IP address
DBServer Port	Port used by Database Server. Default port is 12010*.
DBServer Username	Database Server username. Default username is Administrator*.
DBServer Password	Database Server Password. Default password is EDBDefault*
DBServer Compression	If HotSpot is connected to the Database Server through the Internet it is recommended to use higher compression to get faster response from the database. When running on the same computer, default compression setting (6) is recommended.
Save & Reconnect	Save settings and reconnect HotSpot to the Database Server
With search and sorting functionality on grid headers	With this option enabled you have ability to sort accounts (per name, IP, time etc.). If you are using computer with slower CPU and Ram memory, it is recommended not to use this option.
Without search and sorting functionality on grid headers	Account sorting is disabled and HotSpot will display accounts much faster and get overall better performance. It is recommended to select this option.
Always display only 1000 first accounts	If you have a large database and experience slow display of accounts when clicking on ACCOUNTS button, please consider using this option. It will significantly speed up database display on screen as only first 1000 accounts from result set will be displayed.

*Please note that the default port, username and password can be changed in the Database Server configuration menu

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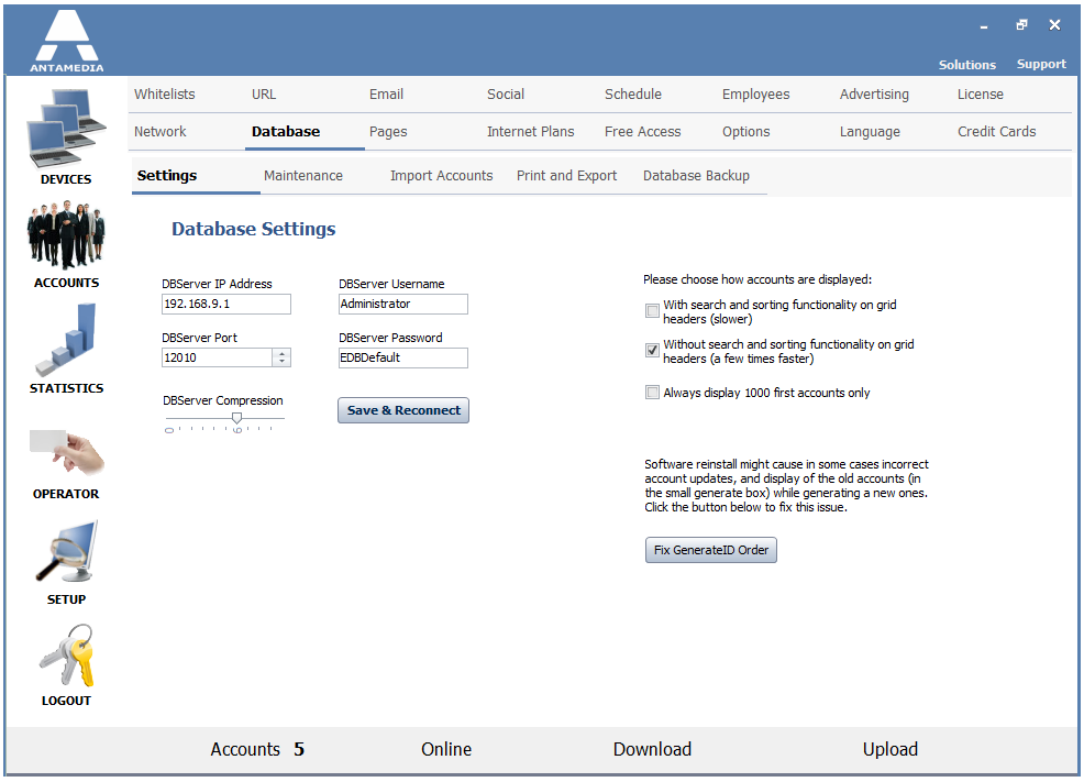


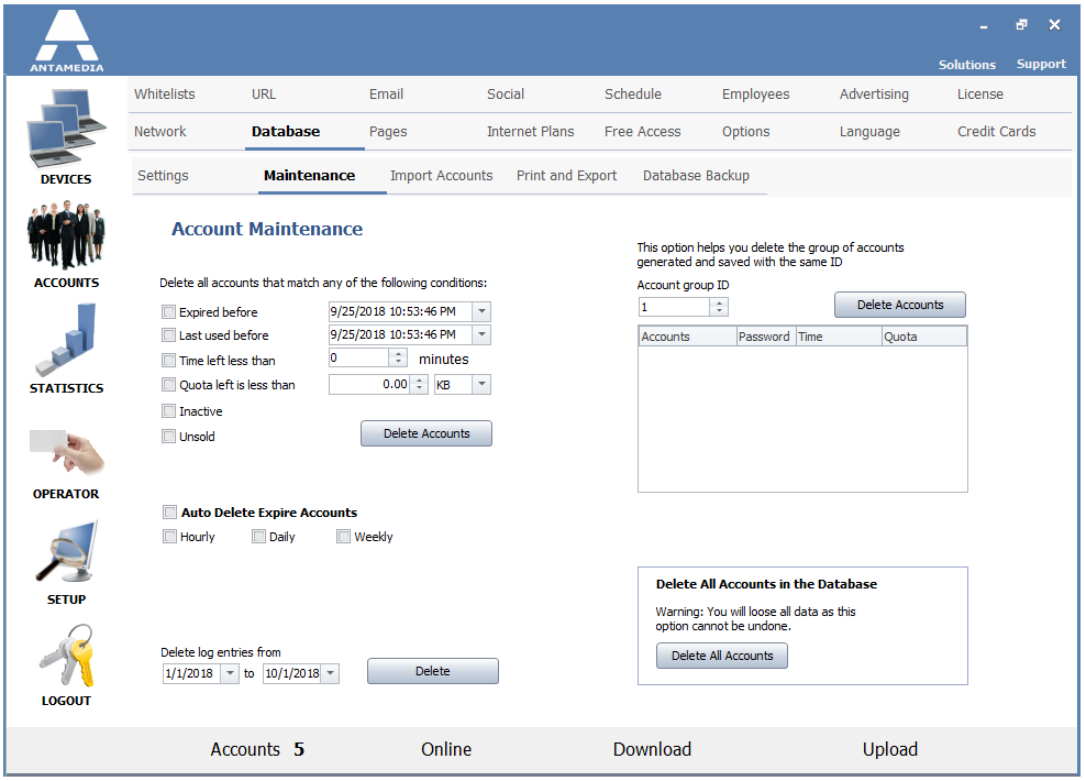
5.2 Database Maintenance

Everyday HotSpot activity increases database size. Although HotSpot can handle large amount of data, it might be a good idea to perform maintenance on a regular basis or to enable hourly, daily or weekly automatic maintenance. With default HotSpot setting all the accounts are displayed after clicking on **ACCOUNTS** button. With large database and many old and expired accounts it might take time to show them on screen. Account maintenance can help you keep the database fresh and speed up the display of accounts.

To enable automatic maintenance, go to HotSpot - Setup - Database - Maintenance page, enable **Auto delete expired accounts** option, set desired recurring interval and configure needed additional options. Other manual account maintenance options available on the page are:

Expire Before	Use it to delete the accounts which expired before the specified date
Last used before	Delete old accounts that have not been used lately
Time left less than	Use it to delete accounts with few minutes left time. In the field specify the time interval in minutes
Quota left less than	This filtering option will remove accounts with quota less than secified
Inactive	Delete all deactivated accounts
Unsold	Delete the account that is generated with Sell Later option enabled, but not sold yet

After selecting the desired options, please click **Delete Accounts** to delete the accounts from the database.



We also recommend to **Delete Log entries**. It is recommended to keep logs from last month.

No matter how careful you are, there are cases when you as Administrator or Operator create a bunch of accounts using wrong pricing plan or wrong Prefix and those accounts should be removed from Database.
Best way to do it is to delete whole set of accounts using Generate ID used for account creation.
Find set of accounts using Account group ID and press **Delete Accounts** button.

In case that you want to remove all accounts from database at same time, press **Delete All Accounts** button.

Please be careful with these options since deleted accounts can not be restored.

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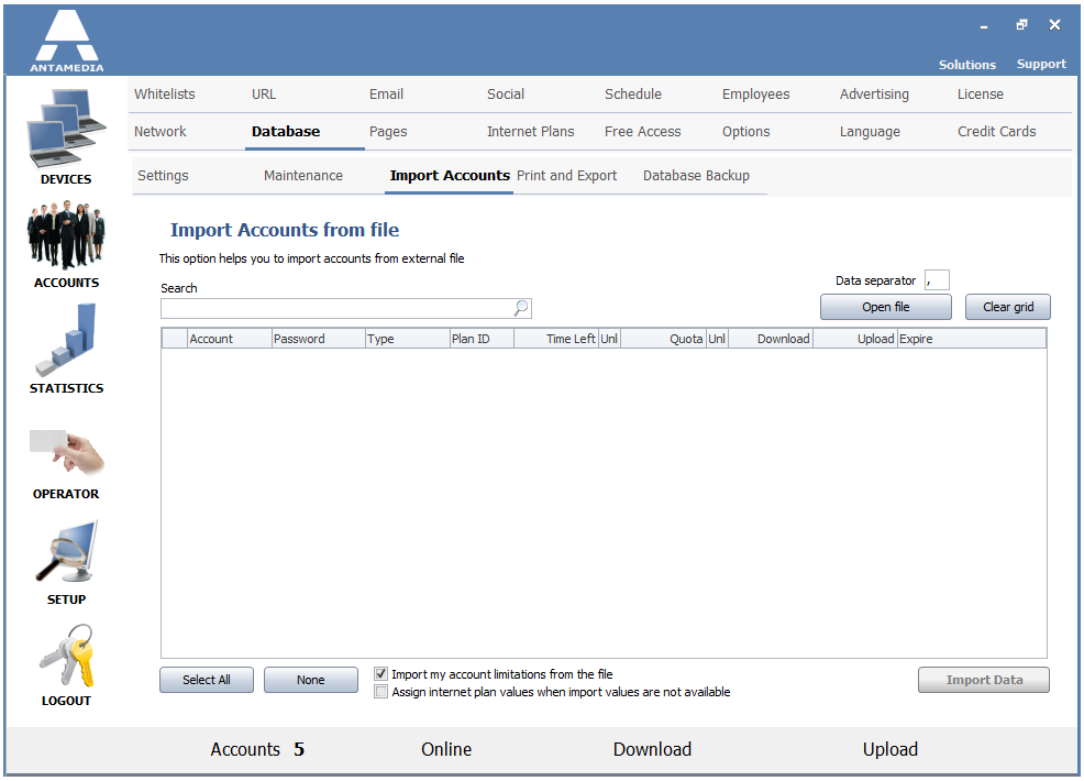
5.3 Importing Accounts

Sometimes there may be a need to import accounts to Hotspot from external sources. That can be easily accomplished using this option. Your only concern is to provide a properly formatted file with delimited values (.csv). Fields should be sorted this way:
"Account","Password","Time Left","Expire","Download","Upload","Quota", "Money"
Note that expire date cannot be imported currently, leave that field blank. Time Left field uses seconds as unit. Download,Upload and Quota fields use bytes.

Import page is located on HotSpot - Setup - Database - Import Accounts tab and contains following options:



Search	Search accounts in the import list
Data separator	Delimiter used in imported file
Import my account limitations from the file	Choose whether to import account limitations like download and upload rate, quota etc.
Assign price plan values when import values not available	Check this option to assign values of desired price plan to imported accounts if import values are not available
Please select price plan	From list select price plan that will be used for import
Import Data	Press on this button to import accounts

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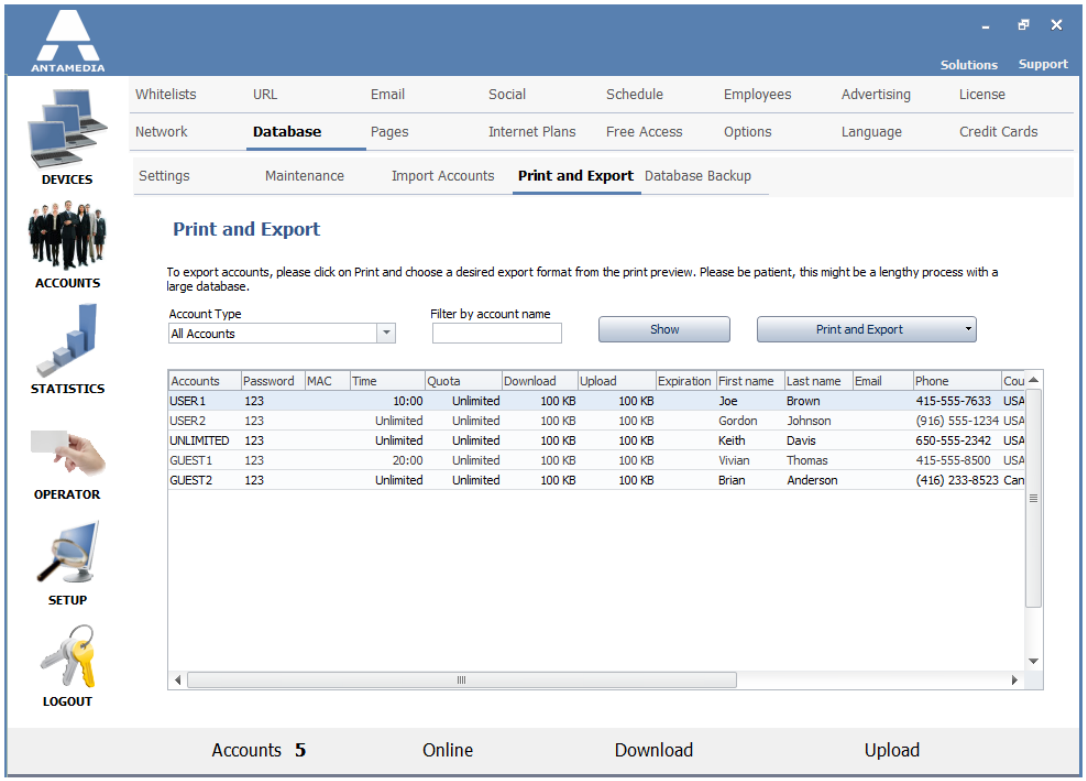
5.4 Accounts Print and Export

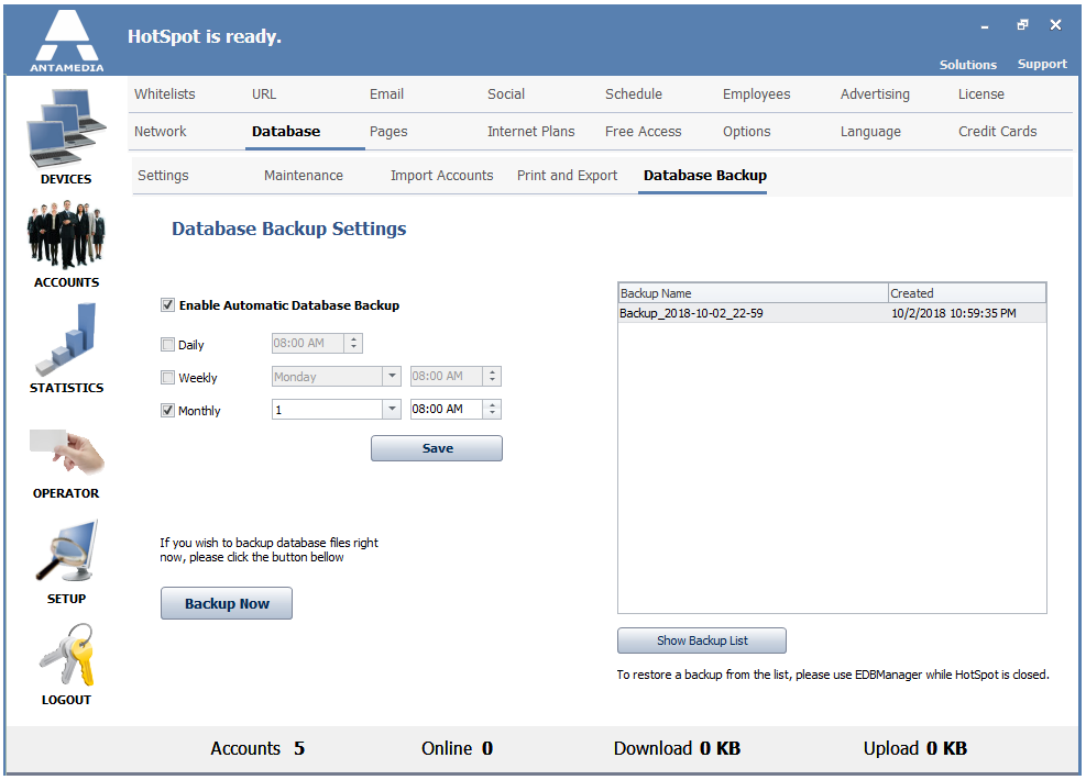
Antamedia Hotspot allows you to print the account list or export it to many different file formats (txt, html, pdf, csv, jpeg etc.).
To print or export the account list, please follow these steps:

1. Open HotSpot - Setup - Database - Print and Export page
2. Select account type from the drop-down menu
3. (Optional) Enter the name to filter account list
4. Click **Show** button (account list will appear)
5. Click **Print** button
6. Print preview will open (this may take some time depending on database size)
7. To export the account list click on export icon, choose a file format and click ok
8. To print the list click on the printer icon and click OK in the print dialog



5.5 Database Backup

Database backup feature is useful in case of unexpected events like sudden power interruption, which can corrupt parts or the whole database in some cases. If such problem occurs you can restore a database backup taken earlier, and prevent possible data losses. Backups can be created manually or automatically on daily, weekly or monthly basis. Settings for this feature can be configured from HotSpot - Setup - Database - Database Backup page. Backup files are saved in C:\Antamedia\DBServer\Database\Backup folder.



To restore a database backup, please follow these steps:

Close HotSpot software and any Operator that connects to database, even as service in the background. Go to Windows Task manager and from Process tab find and stop AHotSpot.exe and ADBHS.exe To make database backup copy C:\Antamedia\DBServer\Database folder to some other location.

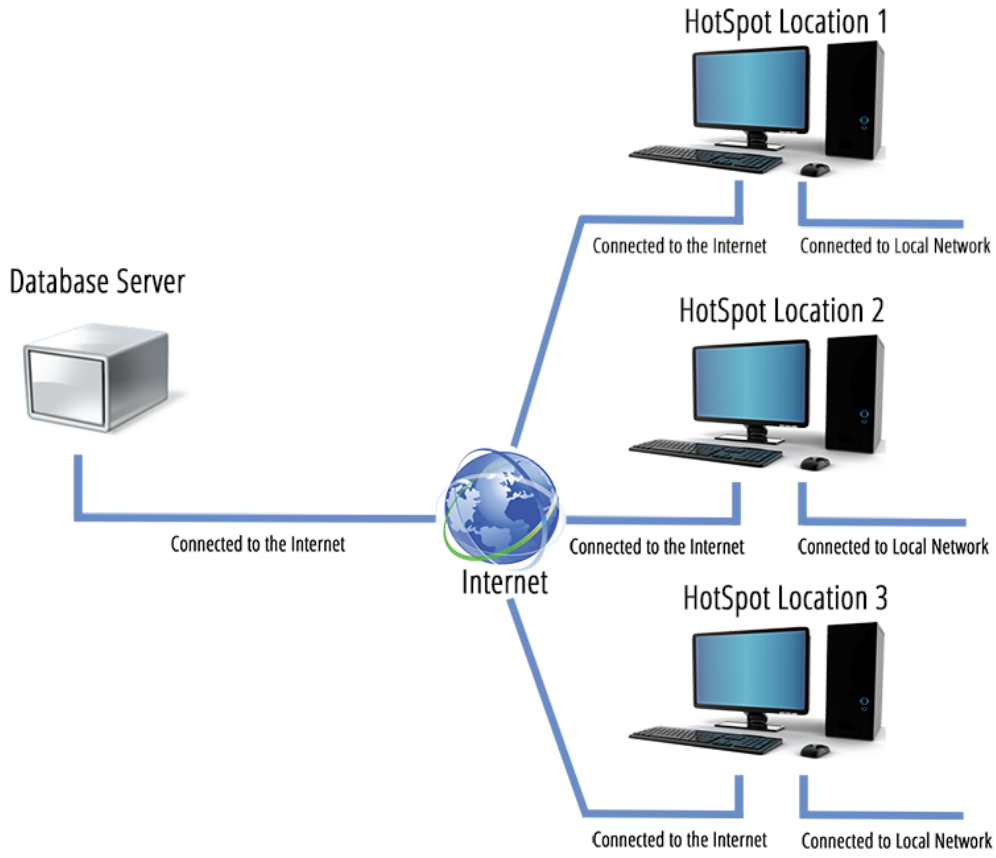
Download EDBManager application. Extract downloaded file to desktop and start it. In EDBManager **create new** (Admin) session. In General tab please select **Remote** not Local. In the Login fields type **'Administrator'** as username and default password **'EDBDeafult'**. Username and the password are the same as it is set in the software Setup - Database - Database settings tab.

Go to **Databases** and find **AntamediaDB**. Press **Restore Database**. In new window you will see a list with the backups stored at the C:\Antamedia\DBServer\Database\Backup folder. Select which you want to restore and press **OK**. Database will be restored and you can close EDBManager and start Hotspot software.

5.6 Connecting Multiple HotSpots

Large networks, consisting of several HotSpots spread in different city locations, can use the same Database Server in order to share data. The same accounts, price plans, usage schedule and other data can be used in any of these connected locations.

In order to connect multiple HotSpots you have to:
1. Install Database Server on a computer with Public IP address (accessible from Internet). This way, all HotSpots will be able to connect to one Database Server.
2. On every HotSpot, please configure Database IP address in HotSpot - Setup - Database - Settings page. IP which you should enter is the public IP address
3. Make sure that firewalls are not blocking communication between HotSpots and Database Server



Please note, Antamedia Database Server can be installed on any of the HotSpot locations. For example, you can install Database Server on HotSpot location 1 and configure other two HotSpot locations to connect to the IP address of the first location.

Benefits
- Customers can use account in any of the connected HotSpots.
- Accounts can be created in any of the connected HotSpots. It can be created even from administrator home or different country.
- You can use multiple Internet connections for your network. For example, every HotSpot can use it is own ADSL connection for group of users connected to that HotSpot. This can help you to decrease total traffic through the network backbones.

How to be sure that everything is working ?
Create accounts on one HotSpot, then click on ACCOUNTS button on the second HotSpot. If you see newly created accounts, you've configured it correctly.

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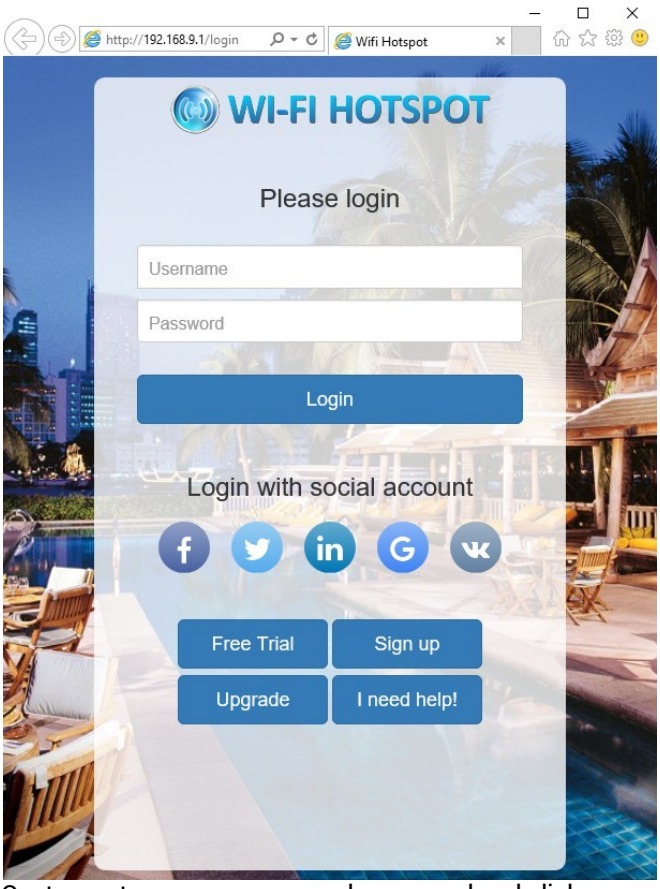
6 Login, Signup and Logout

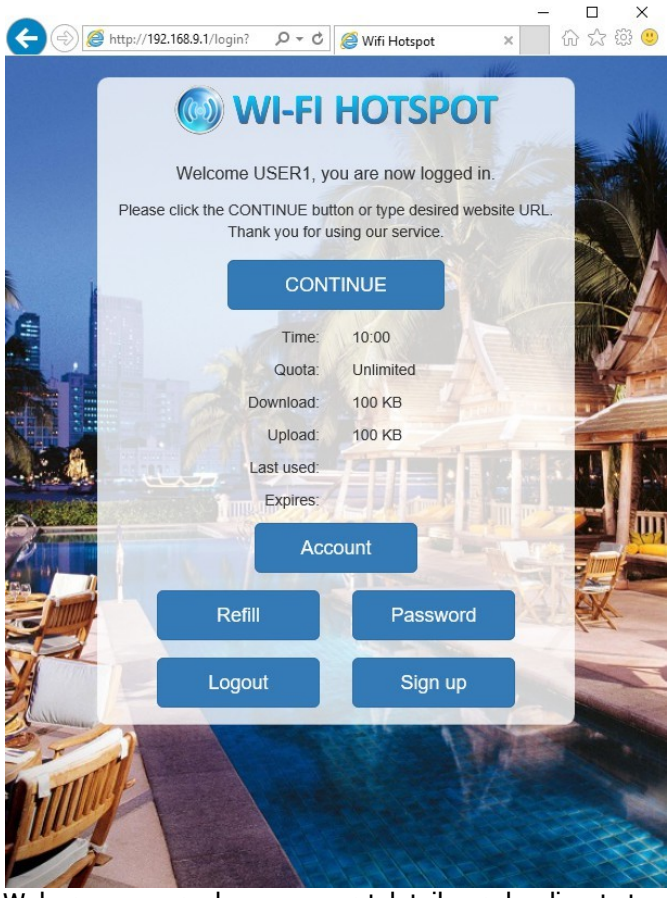
6.1 Login

When a customer connects to your network and type any website address, login page will be displayed in a browser. Customer have to login to get Internet access. There are many types of login pages, such as login with username and password, ticket (voucher), hotel login with room number and guest name, free login, social login etc.

Default login page contains **Username** and **Password** fields, **Login** button, **Free trial**, **Sign Up**, **Upgrade now!** and **I need help!** link. The customer needs to type correct account information - Username and Password and press Login button. HotSpot verifies this information in database and if the customer entered correct details, login would be granted.

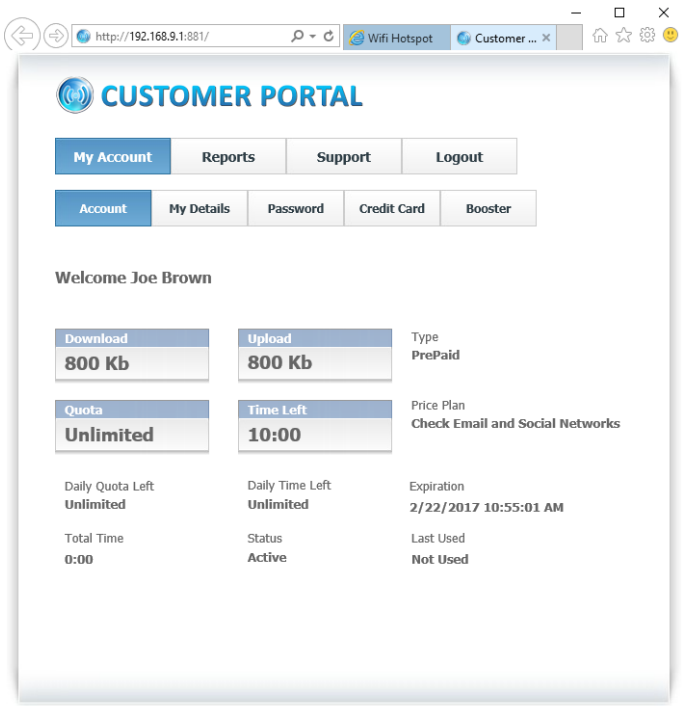


Customer types username and password and clicks Login button.

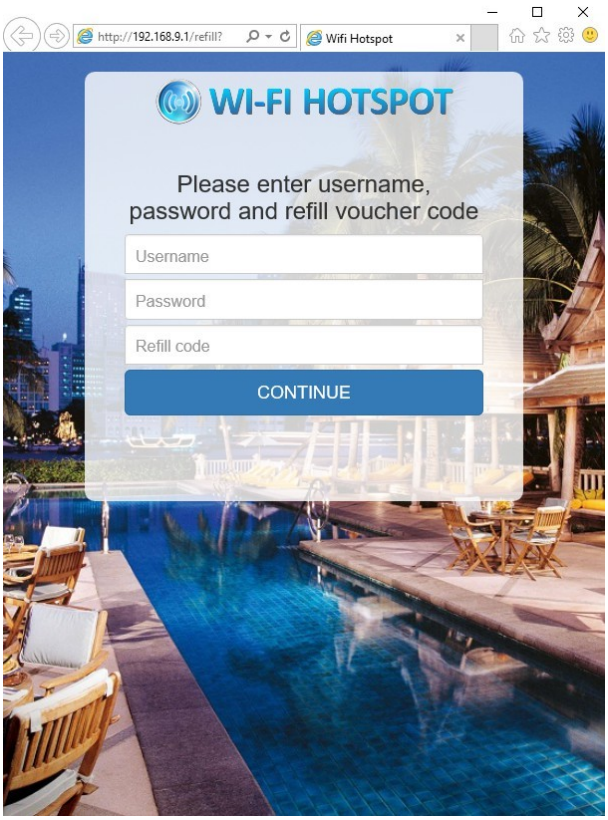


Welcome screen shows account details, and redirects to the page which customer requested after CONTINUE button is clicked.

Welcome page is useful as it keeps a customer informed about the time and bandwidth quota left, upload and download speed, last used and expiration date. Customer may click **Account** link to get details about usage. To get Internet access, customer can click **Continue** button.

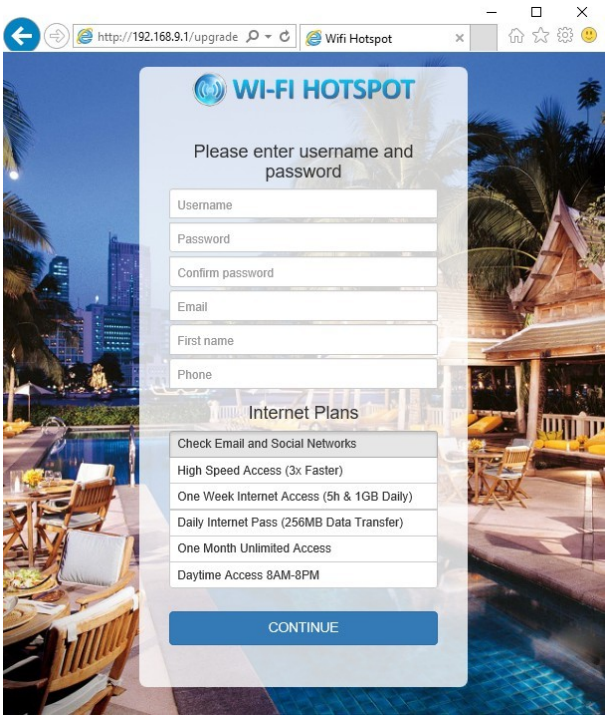


Refill button from the Welcome page is used for refilling pre-paid account with a refill code. Customer have to enter Account Username, Password and a valid Refill code.



Help page explains that HotSpot is commercial and that customer should buy a ticket. This page can be modified to show your contact numbers, live chat link, terms of usage etc.

Upgrade link helps existing customers to top up account with one of defined Internet plans.



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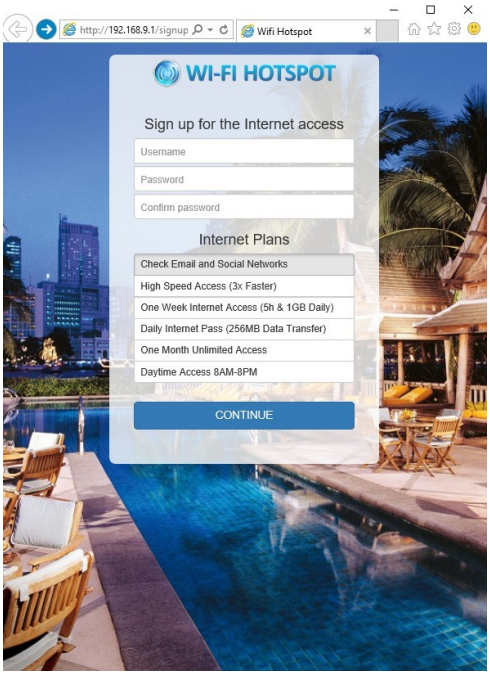
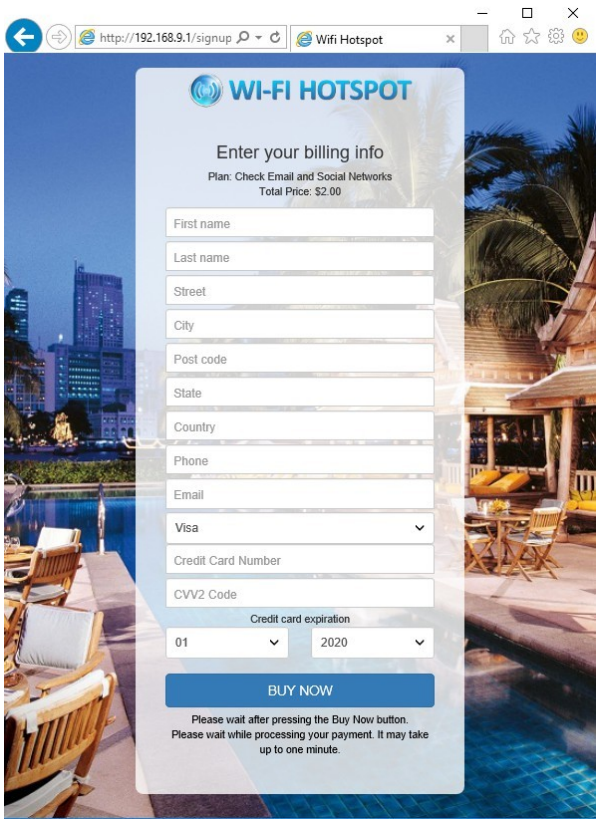
6.2 SignUp

If you accept credit cards, a customer can click **Signup** link and pay for Internet access. Customer will choose username and password, select a price plan and pay with a credit card.



The same Signup link can be used to **refill existing account**. Customer should enter the existing username and type (and confirm) a password.



6.3 Logout

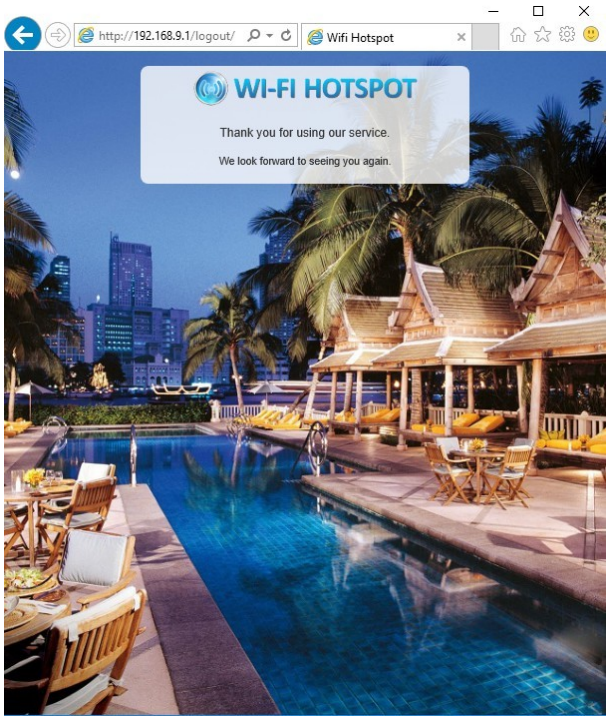
HotSpot users will be logged out automatically when time or bandwidth quota expires. Of course, there are other parameters that can cause logout, like daily time or quota expiration, an account expiry date has been reached, usage schedule definition, or when a user did not perform any activity in the specified time (like computer shutdown, forgot to logout manually etc). User can logout in different ways:

1. By clicking **Logout** button located on **Infobox** pop-up menu (displayed after login)

2. By clicking **Logout** button located on **Info** page (like http://ServerIP/info)

3. By typing keyword **LogMeOut** in browser address bar (like http://ServerIP/logout). This keyword is tracked in two ways:
 - through the NetBIOS (if a customer has enabled NetBIOS in network interface used to connect to your network). This feature is available in all the editions.
 - as a **URL Keyword** function located in HotSpot - Setup - URL - URL Keyword tab, that functions as a parser of incoming traffic. The second case require **URL Tracking** feature enabled, which is available in Premium edition.

4. Automatically if a user has not performed any Internet activity in the specified time. **Inactivity timeout** should be active on account and set in HotSpot - Setup - Network - Network setup page.



7 What is User, Ticket and Refill ?

Before we start with the instructions how to create accounts let us explain differences first.

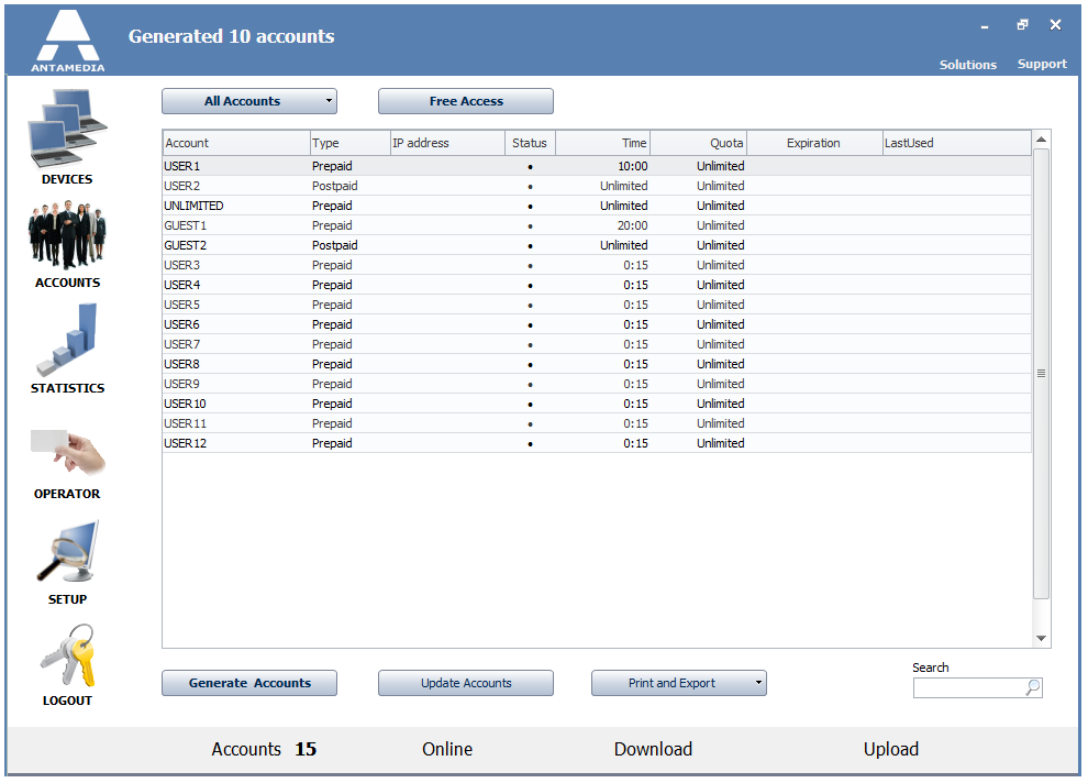
User accounts are represented with Username and Password required for login to HotSpot.

Tickets are represented with a code, which is a sequence of letters and numbers. Tickets are PrePaid based.

Refills are not login accounts. Refills are used to add more time or bandwidth quota to an already existing PrePaid user account or Ticket.

Usage based accounts are postpaid accounts which have 0 values for time and quota, and these are increased during usage. Customers can be billed later at desired time intervals.

Free accounts are accounts without price, after generating they are not shown in sales report.



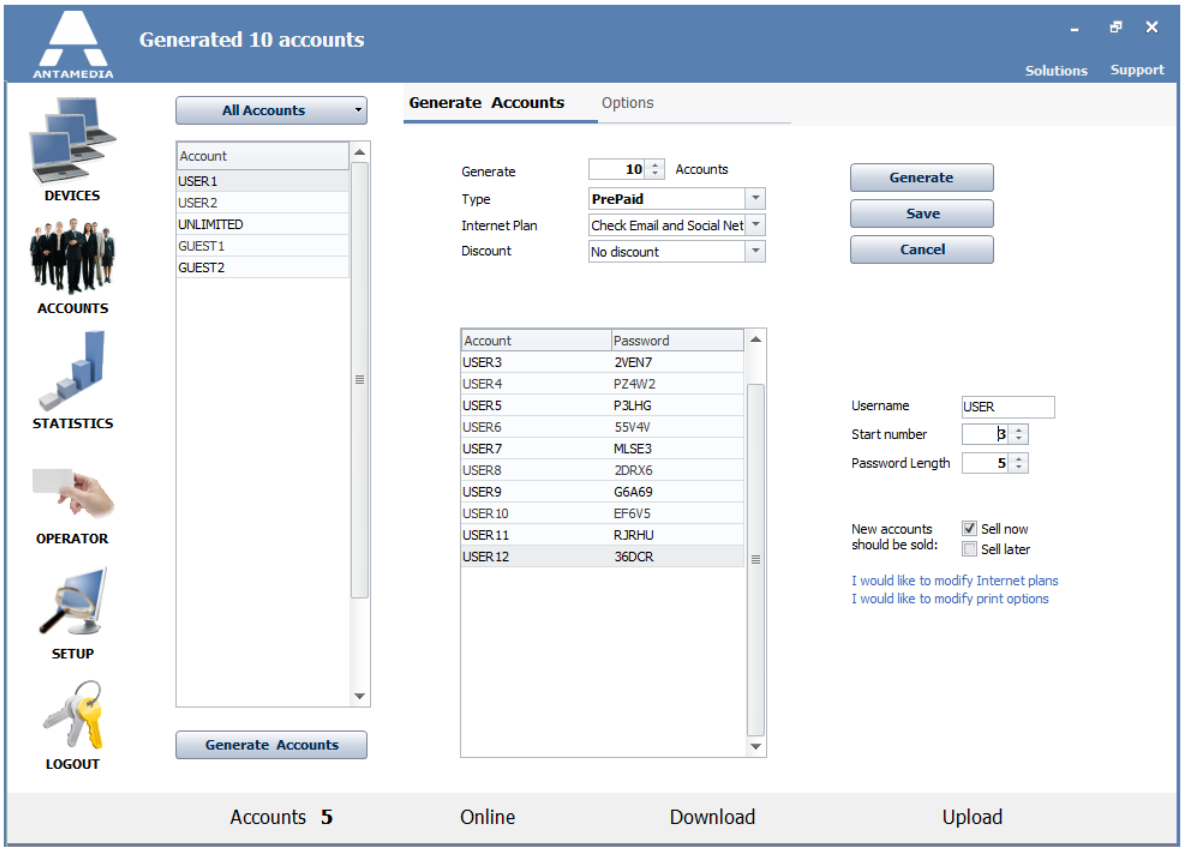
8 Creating Accounts

8.1 Generate Accounts

Generate Accounts option is located in **Accounts** tab, which is available from the main HotSpot screen. The same option is used to generate: Users, Free accounts, Tickets, Refills and Usage based accounts. HotSpot takes care to generate unique accounts, with settings defined by **Internet Plan**. Each price plan has price, time, bandwidth quota, expiration date and other options. However, administrator or employee (with appropriate access rights) is able to modify any of the settings before generating accounts.

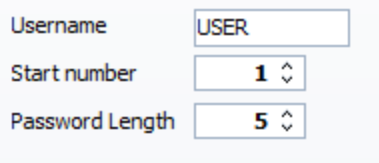
Generate Accounts page has following options:

Generate _	Please enter how many accounts you want to generate
Type	Select the type of accounts
Internet Plan	Choose a Price Plan to define parameters of new accounts
Discount	Select the discount you want to apply to generated accounts

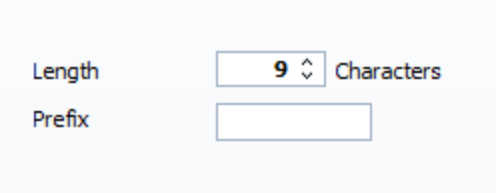


Depending of **Type** selection, different options will appear in the right side of the screen:

Prefix	A word which comes as a first part of the generated account username (like NEW)
Start Number	Defines starting number to be added to prefix (like 21). With this examples, accounts that will be created are NEW21, NEW22, NEW23 etc.
Password Length	Defines how many characters (letters and numbers) will a password have
Length	Defines how many characters (letters and numbers) will ticket or refill have



When generating user accounts



When generating tickets or refills

Sell now	Accounts are saved in the database, sold and added to bills and statistics, and ready for use.
Sell later	Accounts are saved in the database, and will be sold on the first usage or when operator click **Sell** button in **Accounts** page
Generate	Use generate button to create new user account, ticket or refill
Save	Save generated accounts in the database
Cancel	Close Generate Accounts tab

What are the steps to generate accounts ?
1. Type **10** to generate 10 accounts
2. Select type of account
3. Choose desired price plan
4. Optionally select discount
5. Click **Generate**
6. Click **Save**

If you want to print accounts directly, without print preview, you can select **No Preview** option in HotSpot - Setup - Options - Print Options 117.

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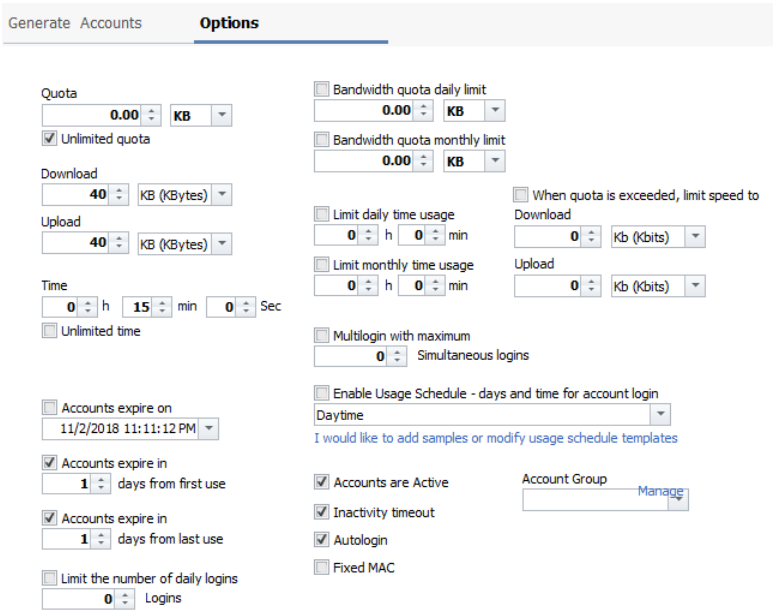
8.2 Modify Generate Options

Generate options are automatically filled in when you choose a price plan. However, if you like to modify some option (like increase download for next 10 accounts you make) you can do it using **Options** page.

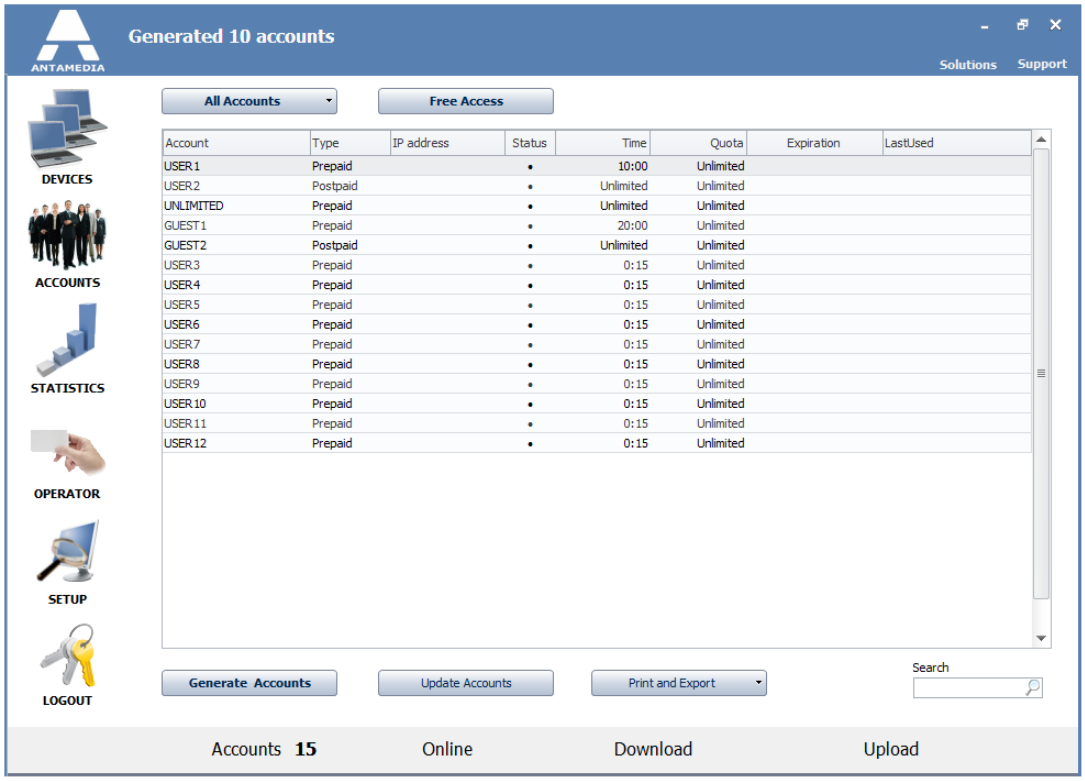


Quota	Total bandwidth traffic available to a user for downloading or uploading. It is usually displayed MB, GB or TB depending on value. Quota is not a sum of download and upload traffic. If you define 100 GB as quota, user can download and upload maximum of 100 GB, whichever comes first.
Unlimited Quota	Enable this option if you do not wish to limit users by bandwidth quota
Download	Download rate limitation. Download rate can be displayed in: KBytes, Kbits, MBytes or Mbits. Like 1 Mbit/s
Upload	Upload rate limitation.
Time	Time available for Internet usage. It is measured in seconds
Unlimited Time	Enable this option if you do not wish to limit users by time. It is useful if you charge users by bandwidth or users pay monthly fees
Accounts expires on	Set the date when account expires. After expiration date account can not be used anymore for login and user will see a message that account has expired
Accounts expire in _ days from first usage	Number of days in which will account expire from the **first** login. For example, if you set to 10 days, and user will not be able to login on 11th day from first login

Accounts expire in _ days from last usage	Number of days in which will account expire from the **last** login. For example, if you set to 10 days, and user does not login in the next 11 days, account will expire
Limit number of daily logins	Limit how many times user can login on daily basis
Bandwidth quota daily limit	Total bandwidth traffic available to user on daily basis. When all daily quota is used, user can login on the next day
Bandwidth quota monthly limit	Total bandwidth traffic available to user per month. When this option is turned on, it will apply to the rest of the current month, not to the next 30 days.
Limit daily time usage	Total time available for Internet usage on daily basis. When all daily time is used, user can login on the next day
Limit monthly time usage	Total time available to user per month. When this option is turned on, it will apply to the rest of the current month, not to the next 30 days.
When quota is exceeded, limit download speed to	When user reach quota limit set download speed to __
When quota is exceeded, limit upload speed to	When user reach quota limit set upload speed to __
Multilogin with maximum _ simultaneous logins	Multilogin option allows more than one user (computer) to login with the same account. Users sharing one account also shares total download and upload rate. For example, 100 KB/s can be used by one user, or it can be used for 10 users to have approximately 10 KB/s each.
Enable Usage schedule - days and time for account login	Specify time period when accounts can login. Day and time rules are defined in HotSpot - Setup - Usage Schedule page. This option can be used for example to allow login for account from 8AM to 8PM, or only on weekends, or to force the users to logout at midnight.
Accounts are Active	Disabled option means that generated accounts can not be used for login until they are activated
Inactivity timeout	Automatically disconnects the users from the Internet after specified time of inactivity
Autologin	Enable Autologin 23 feature for accounts.
Fixed MAC	Limit an account so it can login only from the devices you specify.
Account Group	Define a group for current batch of generated accounts. This option is useful for later bulk updating of the accounts, for example if you need to increase speed.

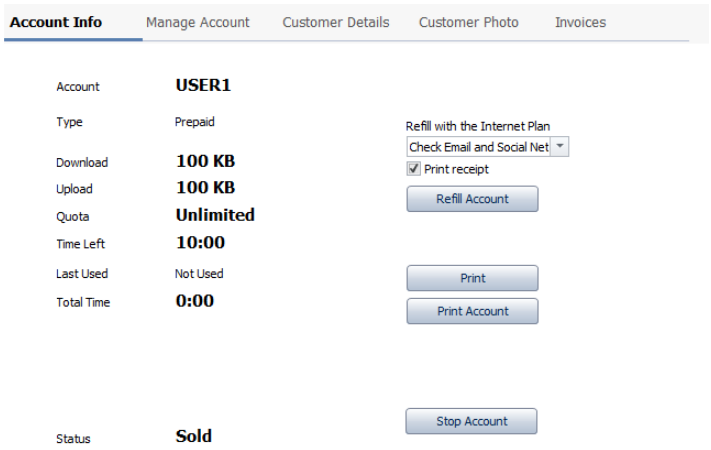
9 Customer Accounts

All your Accounts are visible from Accounts panel. From here you can access and see each account specific Account Info, Manage Account limits, see Customer Details and Photo or Invoice for the post paid account.All you need is to click on the Account in the list.



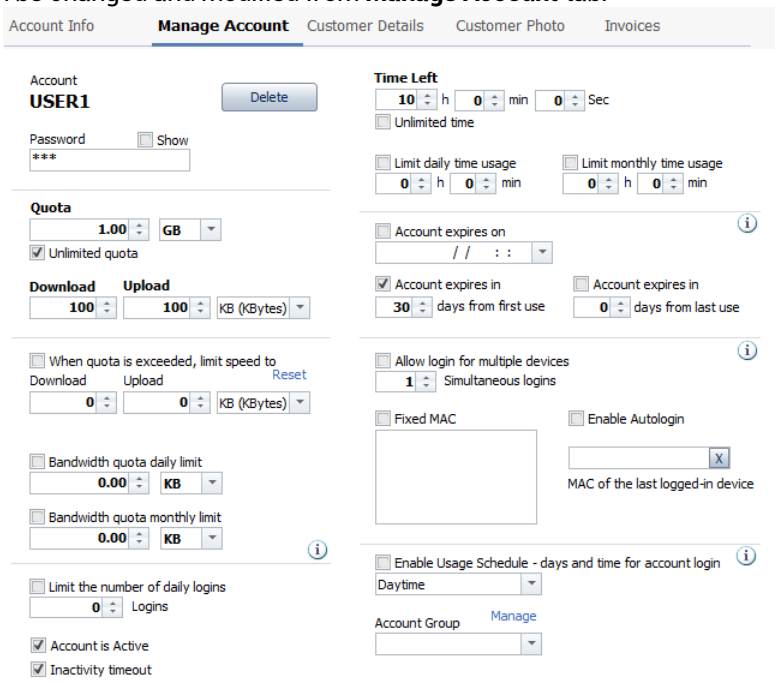
9.1 Account Info

Basic account information are available from **Account Info** tab. From here you can see **Account** username, **Type**, **Download** and **Upload** sessions speed, **Quota**, **Time Left**, information when it is **Last Used**, **Total Time** and account **Status**.
From same page account can be **Refill with the Internet Plan**, **Print Account** again or **Stop**.



9.2 Manage Generated Account

Current account limits can be changed and modified from **Manage Account** tab.



Account — Account username is created in process of account creation and can not be changed

Password — Account password is hidden by default. Enable **Show Password** to see account password. To change client password replace old password with new one and press **Save Changes** button

Delete — Delete account from database

Quota — Total bandwidth traffic available to user for downloading or uploading. It is usually displayed MB, GB or TB depending on value. Quota is not a sum of download and upload traffic. If you define 100 GB as quota, user can download and upload maximum of 100 GB, whichever comes first. To modify quota, please adjust this value and press **Save Changes** button

Unlimited Quota — Enable this option if you do not wish to limit selected user by bandwidth quota

Download — Download rate can be adjusted for each user separately

Upload — Upload rate can be adjusted for each user separately

When quota is exceeded, limit download speed to — When user reach quota limit set download speed to __

When quota is exceeded, limit upload speed to — When user reach quota limit set upload speed to __

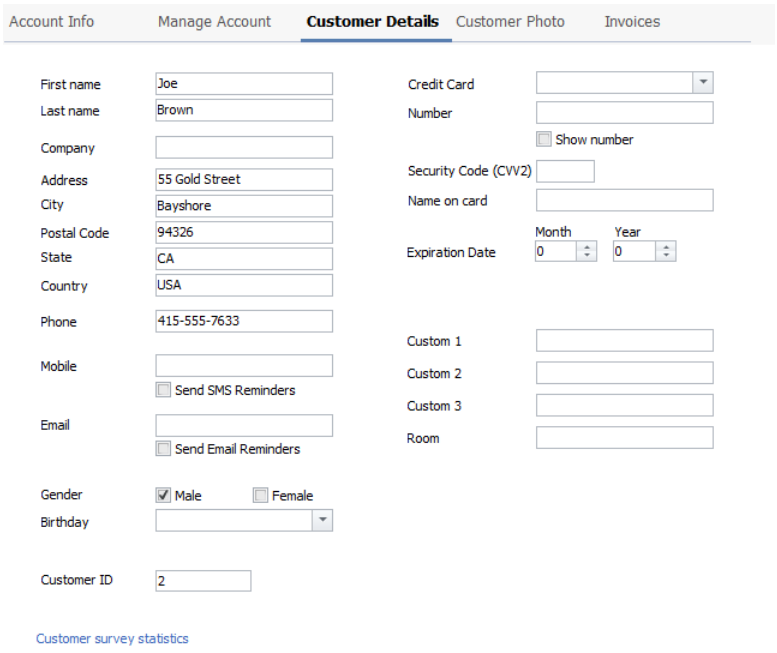
Bandwidth quota daily limit — Total bandwidth traffic available to a user on daily basis. When all daily quota is used, a user can login on the next day

Bandwidth quota monthly limit	Total bandwidth traffic available to user per month. When this option is turned on, it will apply to the rest of the current month, not to the next 30 days.
Limit number of daily logins	Limit how many times a user can login on daily basis
Account is active	This option defines wether user can login in HotSpot. With this option you can temporary disable selected customer. For example, excessive download, bill payment is late etc.
Inactivity timeout	Automatically disconnect selected user from the Internet after specified time of inactivity
Time Left	Shows remaining time for Internet usage. To modify time left, please adjust this value and press **Save Changes** button
Unlimited Time	Enable this option if you do not wish to limit selected user by time
Limit daily time usage	Total time available for the Internet usage on daily basis. When all daily time is used, a user can login on the next day
Limit monthly time usage	Total time available to user per month. When this option is turned on, it will apply to the rest of the current month, not to the next 30 days.
Account expires on	Specify the date when an account expires. After the expiration date the account can not be used anymore for login and a user will see a message that the account has expired
Accounts expires in _ days from first usage	Number of days in which will an account expire from the **first** login. For example, if you set to 10 days, and a user will not be able to login on 11th day from first login
Accounts expires in _ days from last usage	Number of days in which will an account expire from the **last** login. For example, if you set to 10 days, and a user does not login in the next 11 days, the account will expire
Allow login for multiple computers and devices	This option allows more than one user (device) to login with the same account. The users sharing one account also share the total download and upload rate. For example, 100 KB/s can be used by one user, or it can be used for 10 users to have approximately 10 KB/s each.
Fixed MAC	Limit an account so it can login only from the devices you specify. If MAC address does not exist yet, it will be stored in the first login. This list also determines which devices will be able to use Autologin 23 feature.
Enable Autologin	Enable Autologin 23 feature for account.
Enable Usage schedule - days and time for account login	Specify time period when an account can login. Day and time rules are defined from Usage Schedule 69. This option can be used for example to allow login for account from 8AM to 8PM, or only on weekends, or to force the users to logout at midnight.
Account Group	Define a group for this account. This option is useful for later bulk updating of the accounts, for example if you need to increase speed.

9.3 Customer Details

Customer Details page contains customer personal information and creates valuable addition to the rest of the account options.

Details available on Customer Details page are displayed in screenshot:



Details include:
- First and last name,
- address, city, postal code, state, country, company
- customer ID,
- phone and mobile number with an option to send SMS Reminders
- Email addresses with an option to send Email Reminders
- gender and birthday
- credit Card information

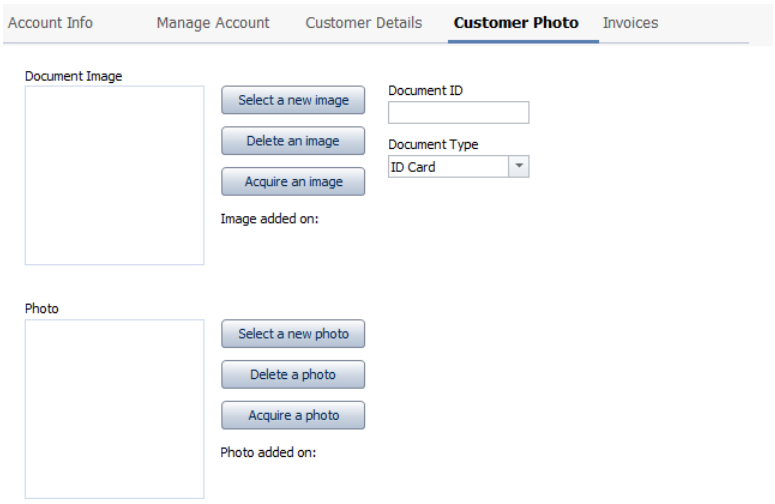
Antamedia HotSpot has an ability to force a user to enter **personal data** after login. You can do it in order to verify customer identity, in marketing purposes, or just to send expiration reminder message so that a customer can upgrade in time.
Collected personal details are: first and the last name, address, city, postal code, state, country, phone number, Email address

To activate this feature, please Enable collecting customer data 104 option.

9.4 Customer Photo

Antamedia HotSpot goes beyond te usual personal data collection and provides an option to save customer photo, document image and document details. This is especially useful in the countries with anti-terrorism laws, where all users have to provide identification document.

With options provided by HotSpot, you can save customer **ID Card**, **Passport**, **Driver licence** etc. Picture can be loaded from hard drive, or it can be acquired from any twain compatible device, like scanner, web camera etc. The same applies to **Customer Photo**. We recommend keeping pictures in appropriate sizes since large scanned documents can quickly increase database size.

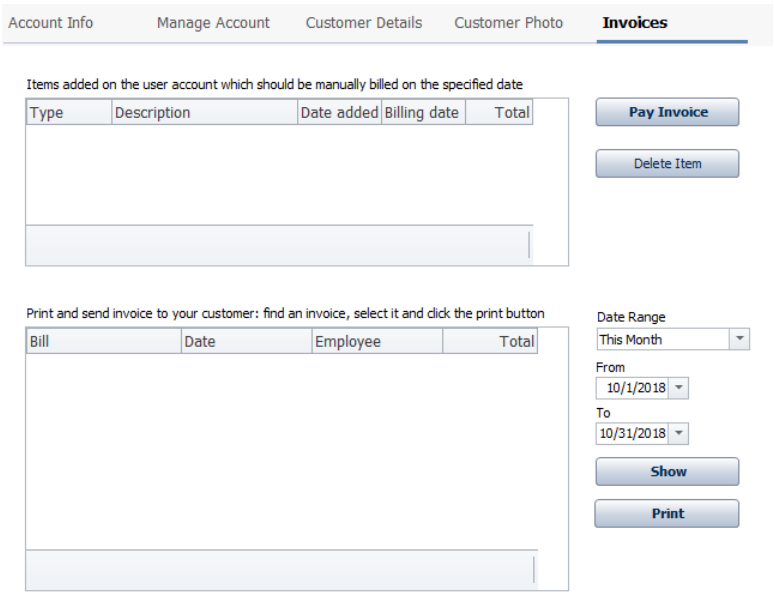


9.5 Invoices

From this screen you can review and manage the items added to usage based account or bill a postpaid user. When you generate a postpaid account invoice will be also generated automatically with billing date set same as account expiry date. On that date you can manually charge the user, after that press **Pay Invoice** button in order to record the sale.

How to charge customer with usage based account:

1. Generate and issue usage based account to customer
2. When you to charge the customer, go to **Accounts** screen, select account and on **Account Info** page click **Add to Invoice** button
3. Go to **Invoices** screen and review items that are waiting to be billed, note that all items in this list will belong to same invoice
4. After you receive payment, click **Pay Invoice** button
5. Invoice will be generated, it will appear in list on same page and in HotSpot - Statistics - Bills page.
6. You can print and/or send invoice to customer by clicking **Print** button

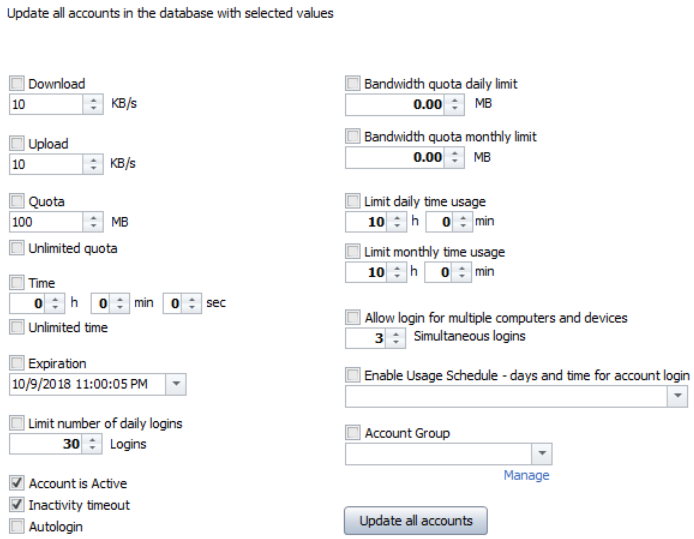


9.6 Updating Accounts

Update account option is used to update all or the group of accounts in the database with specified values. In order to perform the update, go to HotSpot - Accounts section and press **Update Accounts** button. Configure desired values.

If you need to update only a group of accounts, select needed group from **AccountGroup** field. Note that account group must be defined and applied before accounts are generated. This is done from generate options page.

Click on **Update all accounts** button to perform update after needed options are set.



10 Operator Panel

HotSpot Operator is a feature specially developed to keep account creation simple. Very intuitive user interface will guide an employee through 3 simple steps which significantly decreases learning time and everyday account creating.

This feature is available in all HotSpot Editions and can be accessed through the main screen by clicking **OPERATOR** button.

However, you can have **multiple** HotSpot Operators at the same time and on different physical locations.
For this purpose, additional HotSpot Operator licenses are required, which can be purchased on Antamedia website.

How can this help you ?
- Allow front desk operators to generate accounts without access to sensitive data
- Hotel reception can generate accounts while main HotSpot is located in secured place (server room)
- Resorts can install multiple HotSpot Operator software in each building, effectively connecting entire resort in one network. As soon as one of the Operators create an account, it can be used in the entire network
- Administrator can use it to generate, modify or delete accounts, view bills and statistics, generate reports, make new employee accounts, configure price plans, send email notifications (account expiry or maintenance reminders)
- Owner can monitor HotSpot activity from home, take a look at sales, logs, statistics

The most important aspect of additional Operator licenses is that they protect the main HotSpot gateway from human activities that can cause downtime. Keeping main HotSpot on a secure place is recommended as it minimizes the problems like:
- viruses or bad software downloaded by employees which can lower the Internet bandwidth and destabilize the system
- multiple programs started by employees which increase CPU usage
- accidental reboots etc.

Please note: Additional HotSpot Operator license can not be used as standalone, to control users and data transfer. It does not provide captive portal functionality (does not display login page). It requires main HotSpot software installed.

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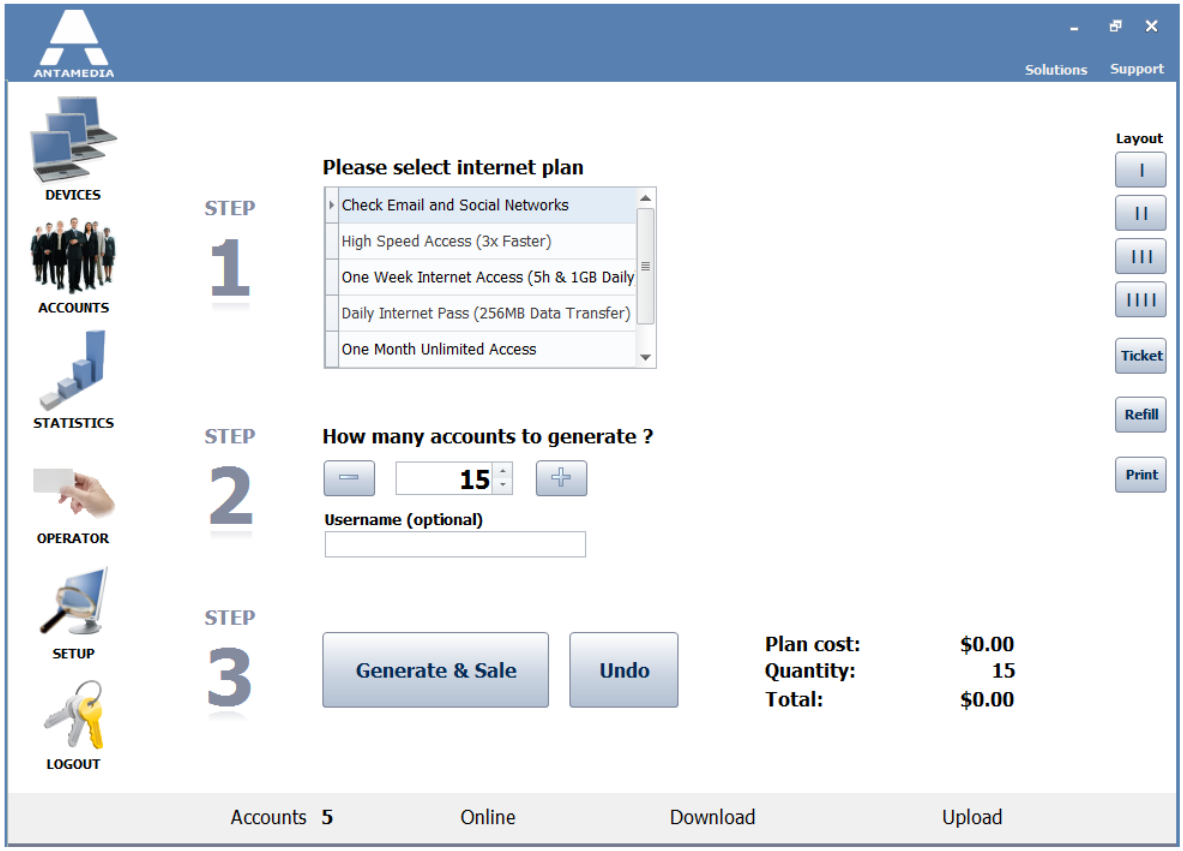
10.1 User Interface

User interface is very simple and easy, and it is designed keeping in mind inexperienced staff. Accounts are generated in 3 easy steps:

1. Choose **Internet Plan**
2. Choose **How many accounts to generate**
3. Click **Generate** button

User interface is touch screen friendly with large buttons, and several layout configurations. Printing is optional and it can be turned on or off with a single click.

An operator can choose between several screen layouts showing 3 steps to generate accounts, tickets or refills with smaller or larger price plan list, price plan cost and total amount to bill, and optionally display or hide generated accounts with username and password.



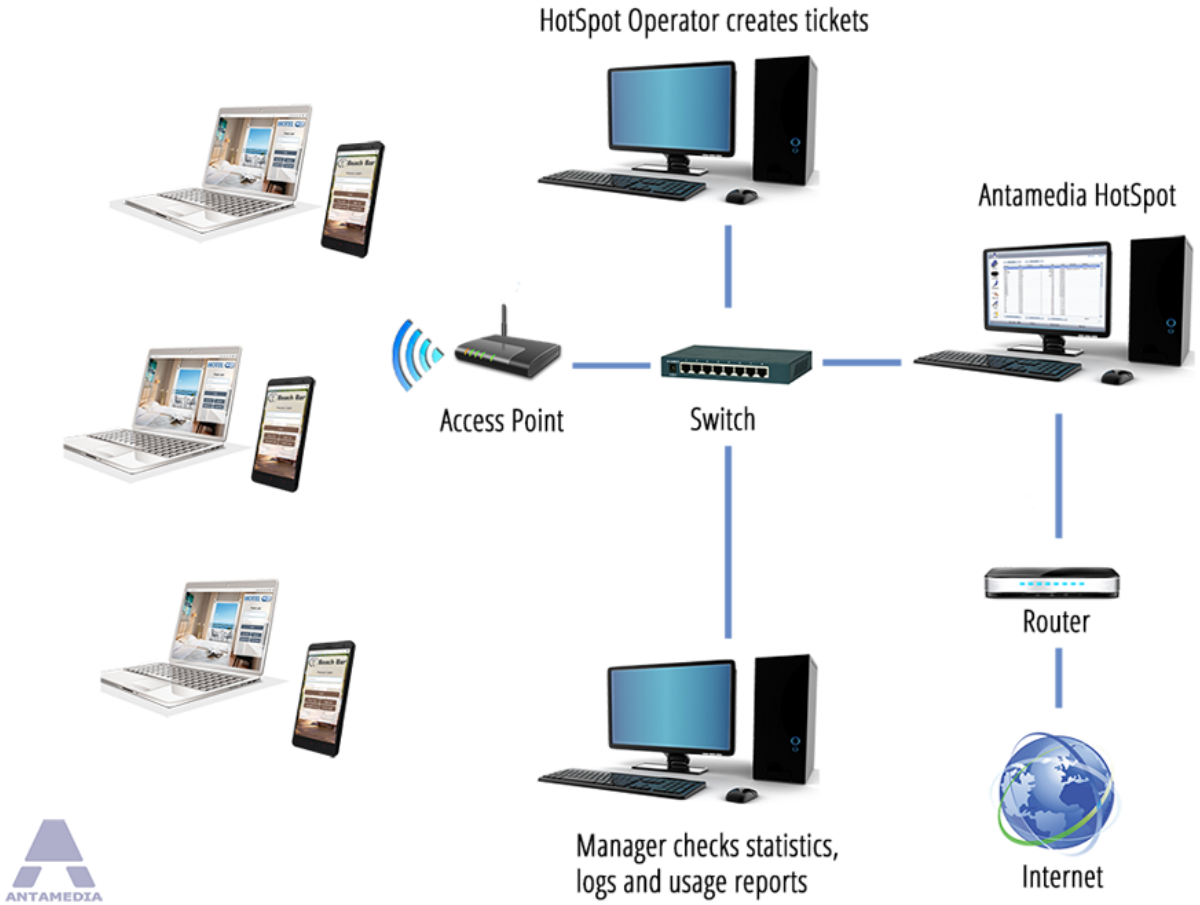
10.2 Remote Operator

Main HotSpot software acts as a gateway - it will accept traffic to one network card, analyze it, and if a customer is allowed to browse, it will pass traffic to the second network card connected to the Internet using preferred line (ADSL, Cable, WiFi...).

Topology shows scenario where 2 additional HotSpot Operator licenses are deployed. First HotSpot Operator license is used for front desk staff to generate tickets. Operator is allowed only to generate and print customers tickets. Typical usage would be in restaurants, hotels, resorts etc.

Second HotSpot Operator license is used for Manager which is allowed to see current statistics including bills, activity logs, real time usage statistics, with time, bandwidth, number of logins and sales details, and the report usage with session based statistics (username, IP, MAC, login and logout time, time used, data transferred and sale made).

If preferred, this topology can easily include the third HotSpot Operator license, which can be used for Administrator (or HotSpot business owner) which has an access to all other features. Administrator can be located at home or in different country, and perform required tasks.



HotSpot Operator installation

A few notes before installation:

- If Hotspot Operator is located in remote location and connects to Hotspot server over Internet, it is required to set static public IP address on the main Hotspot server.
- Install Operator from the same installer as main Hotspot software, they have to be the exact same version.
- Make sure that all firewalls between main Hotspot PC and Operator PC have port TCP 12010 open.
- Operator must be installed and used on Windows account with administrative privileges.

Installation procedure:

1. Start Hotspot installer on the Operator PC and select Custom Installation.
2. Select Hotspot Operator.
3. Enter main server IP in the window and click Run when button appears.

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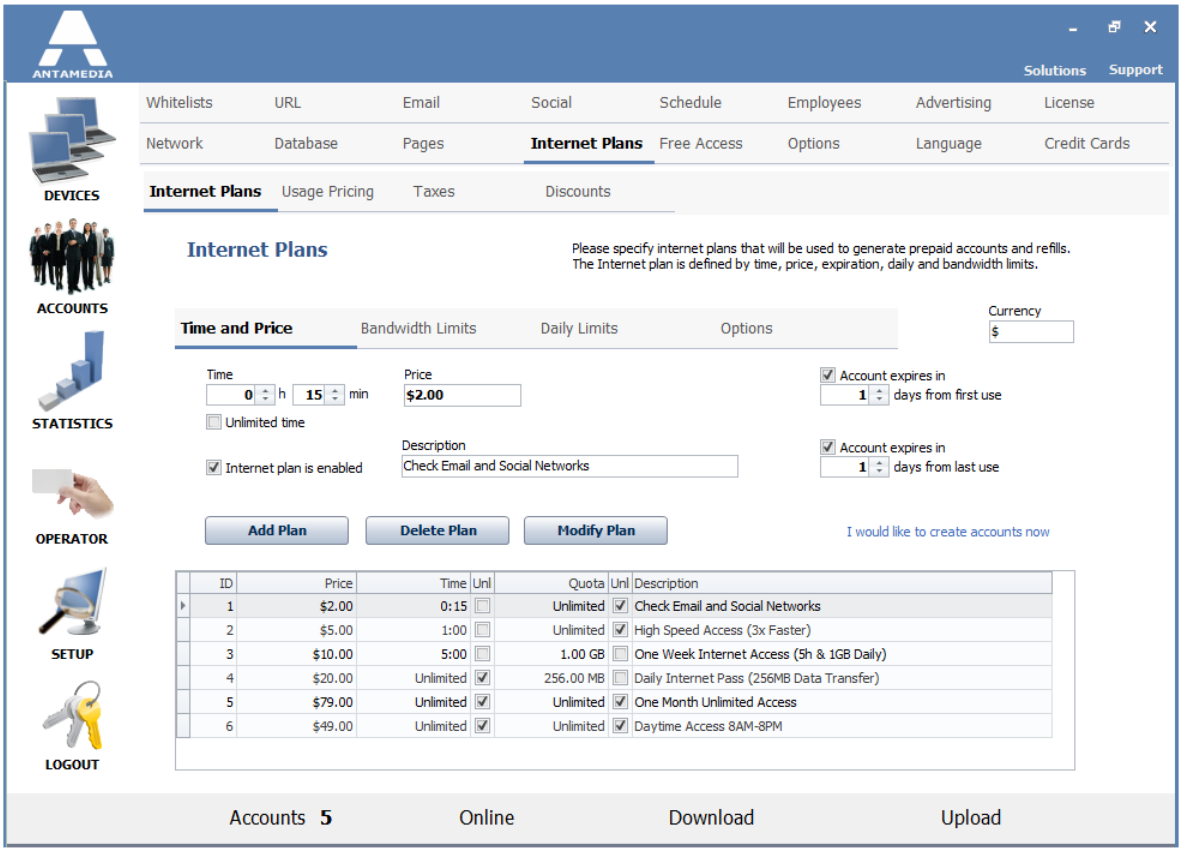
11 Internet Plans

11.1 Defining an Internet Plan

Internet plan is a preset of values which are assigned when you generate or refill accounts. For example, Internet plan defines price which customer should pay for specified time usage, data transferred, download and upload rate, but may also define the expiration date, daily limits etc. When you generate user accounts, tickets and refills, the values defined by Internet plan are stored in database for each account. If you refill an account with a Internet plan, time and quota values are added to the current account values. If a Internet plan has unlimited settings for time and quota, an account will also become unlimited for these values. Download and upload rate, the expiration date and other values defined by Internet plan used for refill, are assigned to the account no matter which values the account has had before.



Add Plan Creates new Internet plan

Delete Plan Deletes selected Internet plan

Modify Plan Modifies selected Internet plan. When you make changes to Internet plan, please click on this button to save it

Internet plan options on HotSpot software - Setup - Prices - Internet Plans page are:

Time Time available for the Internet usage. It is measured in seconds

Unlimited Time	Enable this option if you do not wish to limit users by time. It is useful if you charge users by bandwidth or users pay monthly fees
Price	Cost of selected Internet plan. If tax is not specified, this is what customer pays
Description	Description is displayed in list from where operator chooses which Internet plan to select
Internet plan is enabled	If selected Internet plan is active and can be used for account generating
Accounts expires in _ days from first usage	Number of days in which will an account expire from the **first** login. For example, if you set to 10 days, and a user will not be able to login on 11th day from first login
Accounts expires in _ days from last usage	Number of days in which will an account expire from the **last** login. For example, if you set to 10 days, and a user does not login in the next 11 days, the account will expire

Antamedia HotSpot creates default Internet plans on first installation so you can have a better idea of the possibilities. You can modify them, or create totally new Internet plans. The number of Internet plans in database is not limited.

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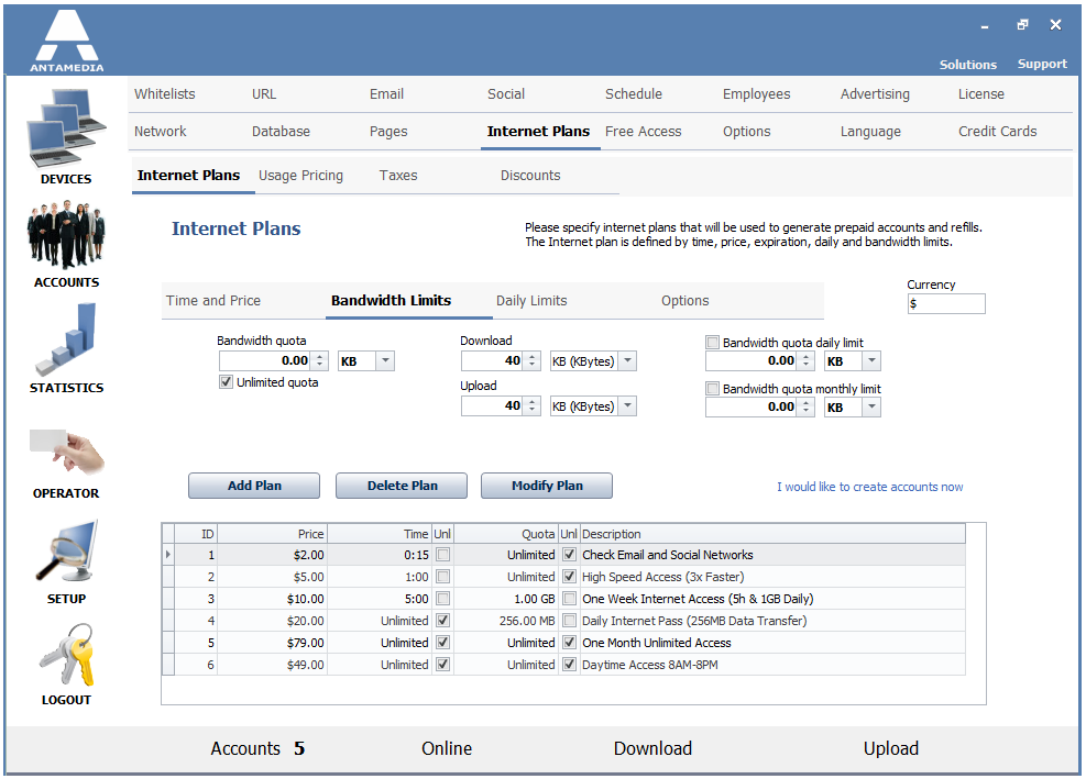
11.2 Bandwidth Limits

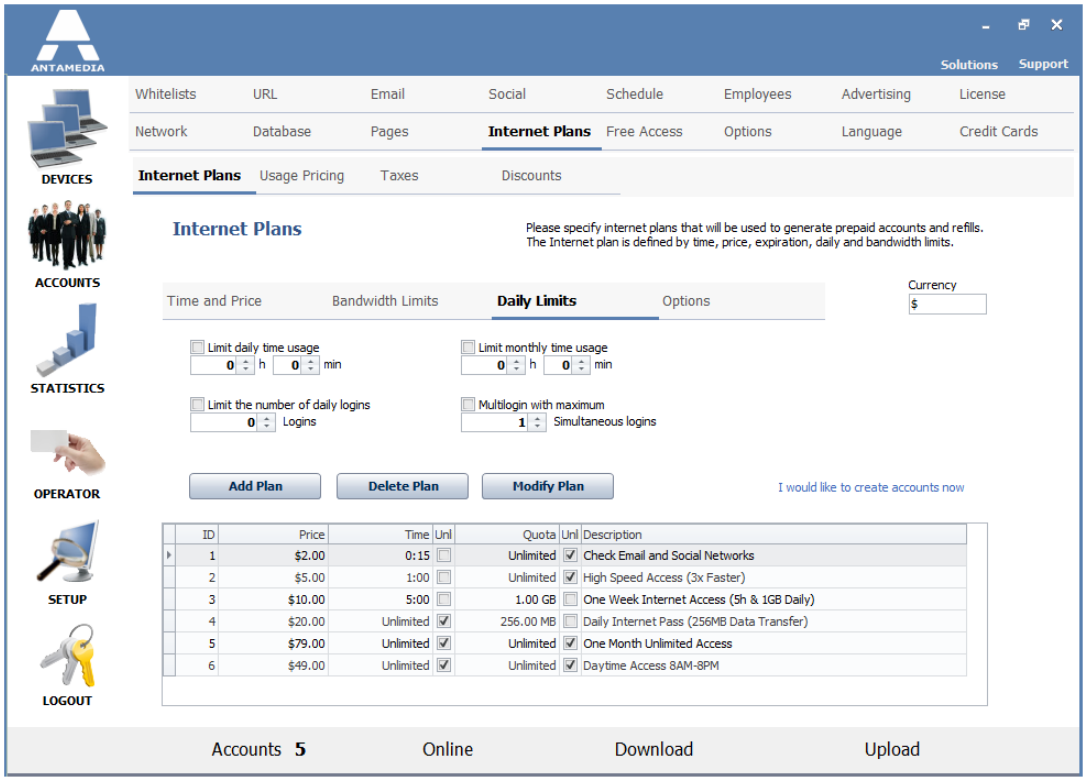
Bandwidth Limits page contains the following options:

Bandwidth quota	Total bandwidth traffic available to a user for downloading or uploading. It is usually displayed MB, GB or TB depending on value. Quota is not a sum of download and upload traffic. If you define 100 GB as quota, a user can download and upload maximum of 100 GB,, whichever comes first
Unlimited Quota	Enable this option if you do not wish to limit users by bandwidth quota
Download	Download rate can be adjusted for each user separately
Upload	Upload rate can be adjusted for each user separately
Bandwidth quota daily limit	Total bandwidth traffic available to user on daily basis. When all daily quota is used, a user can login on the next day
Bandwidth quota monthly limit	Total bandwidth traffic available to user per month. When this option is turned on, it will apply to the rest of the current month, not to the next 30 days.



and **Daily Limits** page contains the following options:

Limit daily time usage	Total time available for the Internet usage on daily basis. When all day time is used, a user can login on the next day
Limit number of daily logins	Limit how many times user can login on daily basis
Limit monthly time usage	Total time available to user per month. When this option is turned on, it will apply to the rest of the current month, not to the next 30 days.
Multilogin with maximum _ simultaneous logins	Multilogin option allows more than one user (computer) to login with the same account. Users sharing one account also shares total download and upload rate. For example, 100 KB/s can be used by one user, or it can be used for 10 users to have approximately 10 KB/s each



11.3 Additional Options

Options page contains the following options:

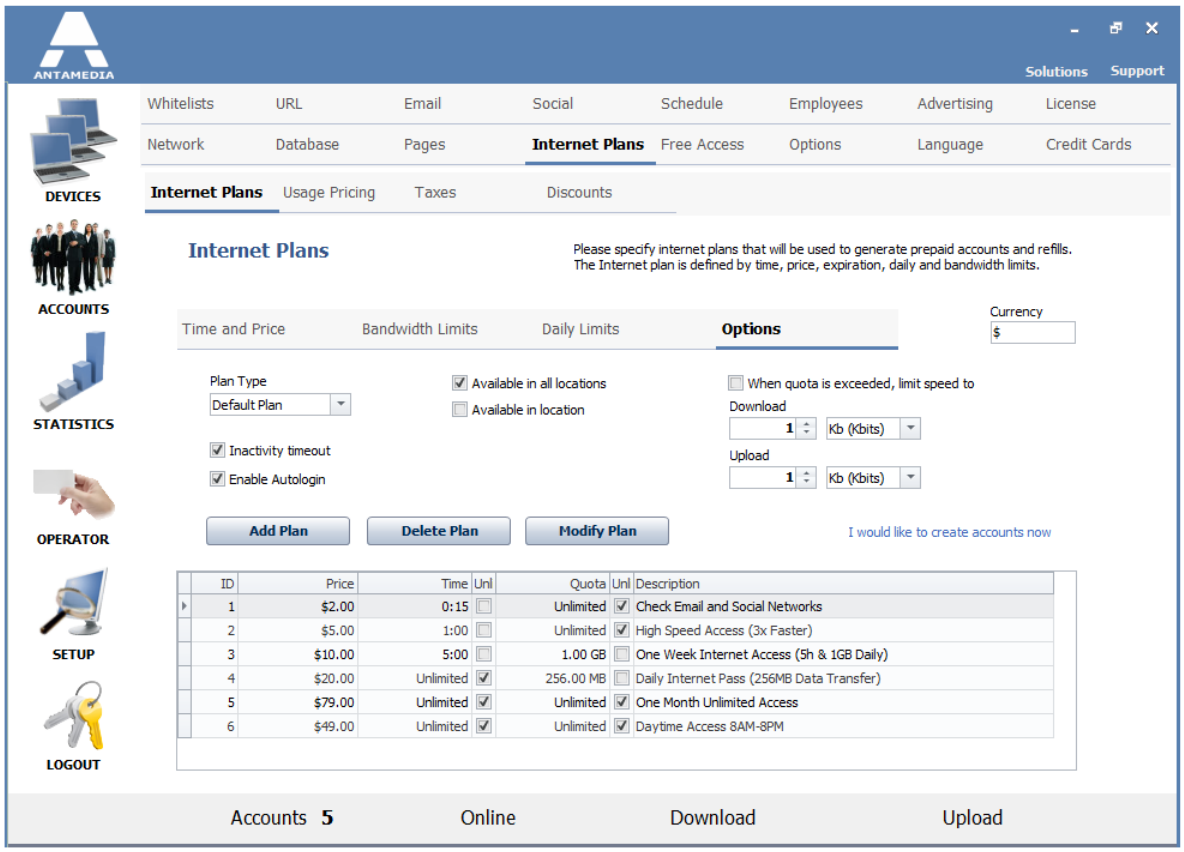
Plan Type Specify type of Internet plan, between Default, SignUp, Operator and Free plan

Inactivity Timeout Set to use inactivity timeout for this Internet plan or not

Enable Autologin Select option to use Autologin with Internet plan

Only for WiFi location / all locations Set specific location or all locations for which Internet Plan will be available

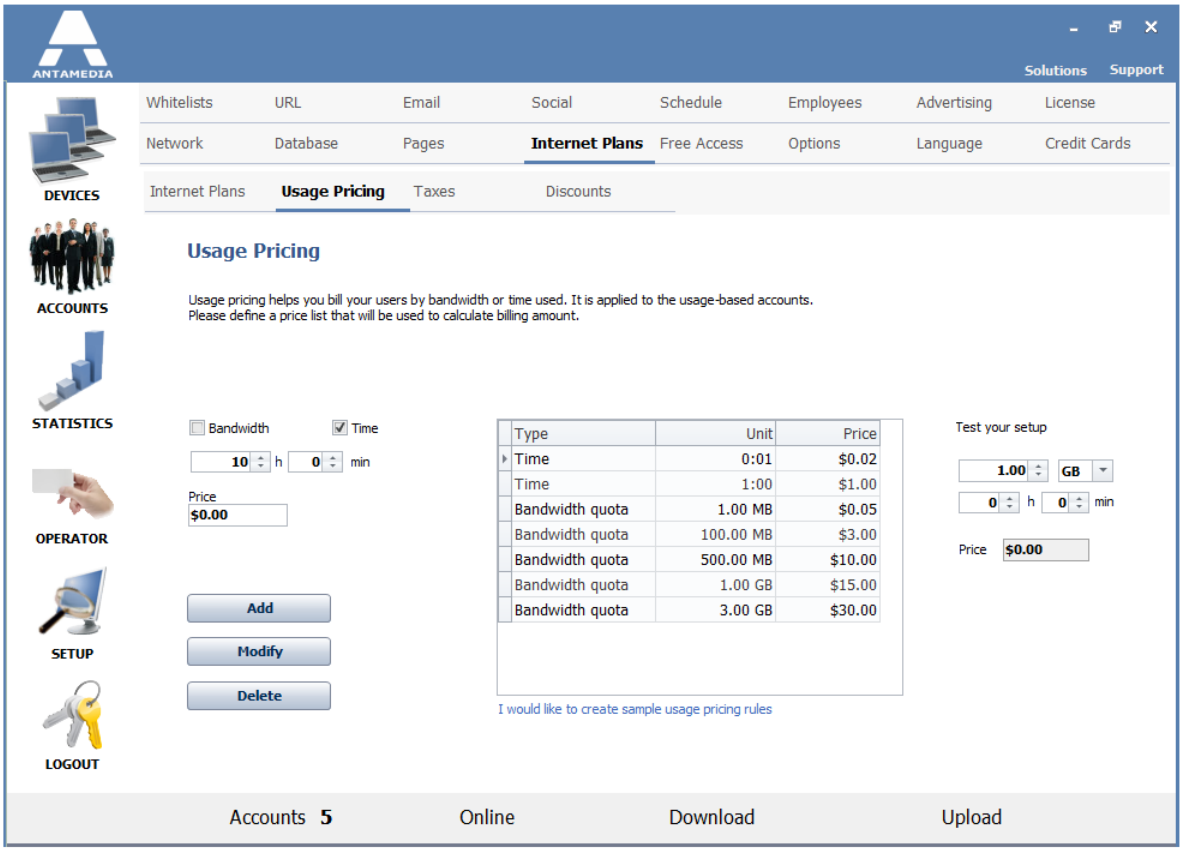
When quota is exceeded, limit speed Set sessions upload and download speed when quota limit is reached



11.4 Usage pricing

Usage-based billing is a method of billing where a customer pays for time and data consumed. An account is created with initial zero values, and they increase during usage. At the end of desired time period customers can be billed based on measured consumption. To configure a new pricing rate, go to HotSpot - Setup - Internet Plans - Usage Pricing page:

1. Check **Bandwidth** or **Time** box to select type
2. Set desired amount
3. Set desired price
4. Click **Add** button



11.5 Taxes

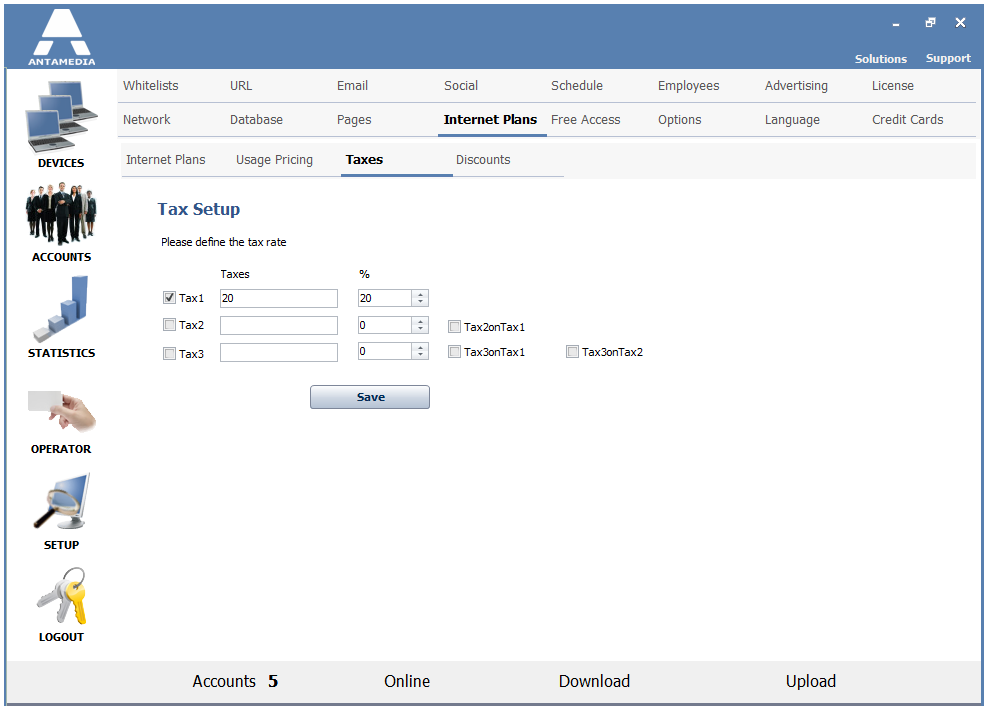
If you are required to charge tax for your services, Antamedia HotSpot offers flexible tax setup. There are 3 different taxes to configure with tax on tax option.

Tax configuration examples:

If you have single tax to charge:
1. enable **Tax1 and** name it (like VAT)
3. configure **%** value
4. press **Save** button

If you have two different taxes to charge:
1. enable **Tax1** and name it (like VAT)
3. configure **%** value
4. enable **Tax2** and name it
6. configure **%** value
7. press **Save** button

If your country regulation requires second tax to be calculated as percent from the value of the first tax, please enable Tax2 on Tax1.

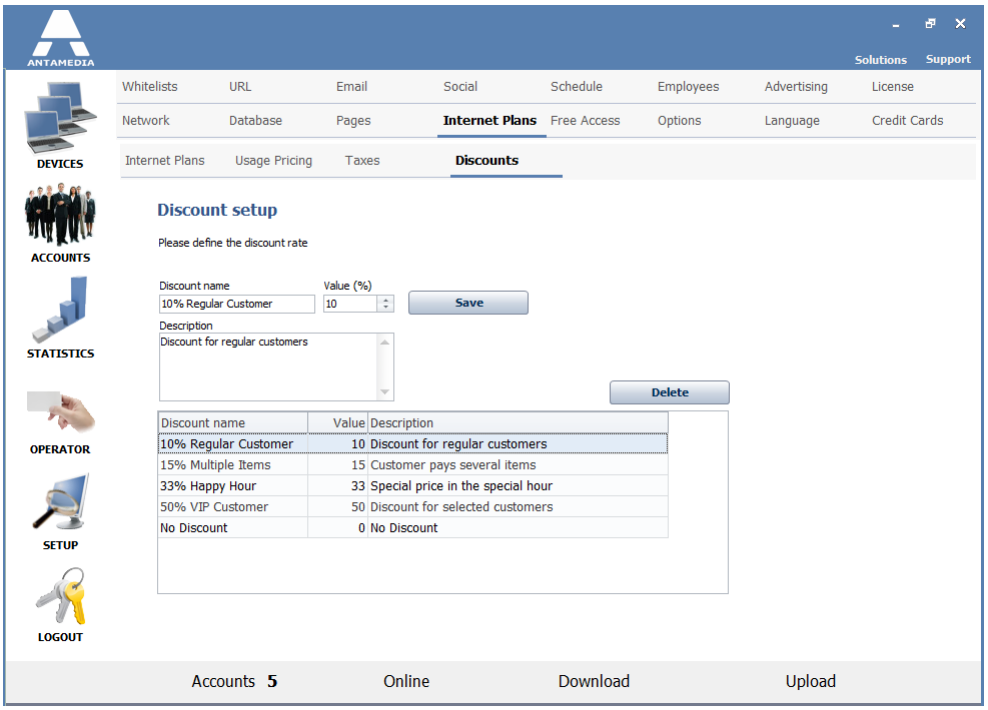


11.6 Discounts

Discount feature helps you offer discounts to your regular customers, for buying 10 tickets in advance, for daily promotions or similar reasons.

In the HotSpot - Setup - Prices - Discounts page please define different discount types. To define a discount:
1. Enter discount **name**
2. Specify discount **percent** (like 10 %)
3. Enter discount **description**
4. Press **Save** button

To delete a discount from the list, please select it with left mouse click and press **Delete** button.

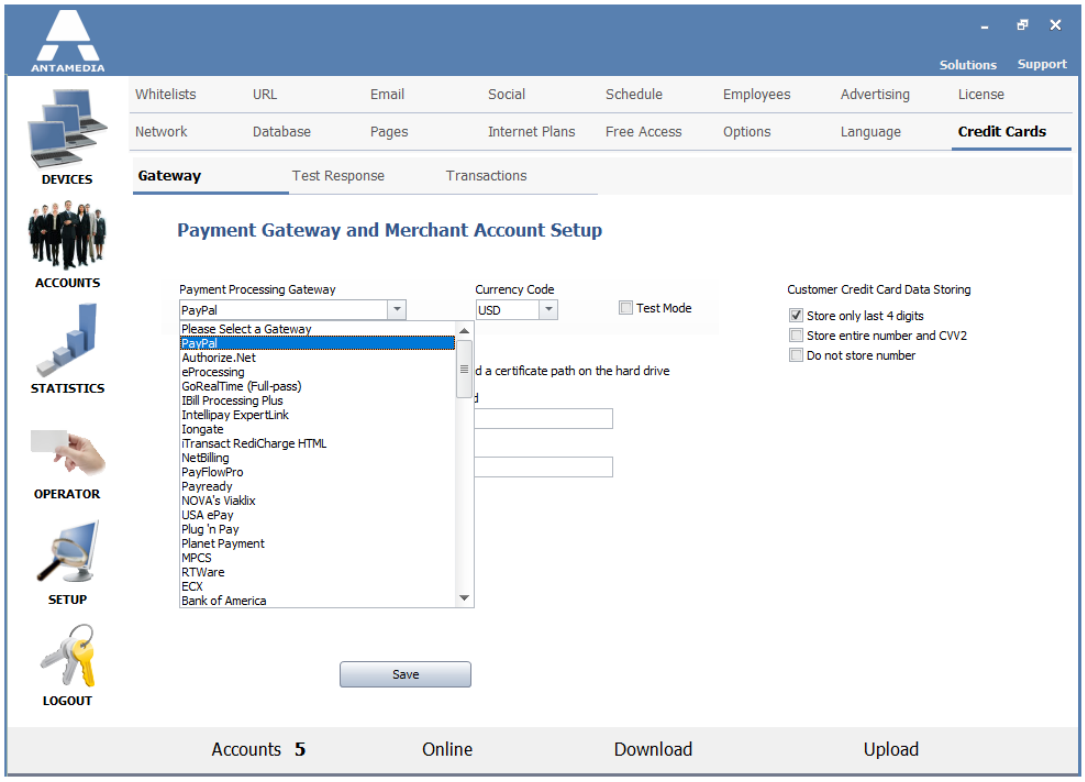


12 Credit Card Processing

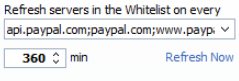
Credit card processing option is very important if you want to automate your HotSpot. With this option you can install unattended HotSpot gateway and our software will do all the job. Visitors who are willing to use your services can sign up for username and password, choose a price plan and pay with their credit card. The processing occurs within seconds and your customers are able to continue using your services.

Antamedia HotSpot offers different credit card processing gateways. Take a look at complete list of the supported payment gateways PCI DSS Compliance is ensured by allowing you to choose how/if you want to collect customers credit card details.

For payment gateway configuration, please go to HotSpot - Setup - Credit Cards - Gateway page and select **Payment Processing Gateway**



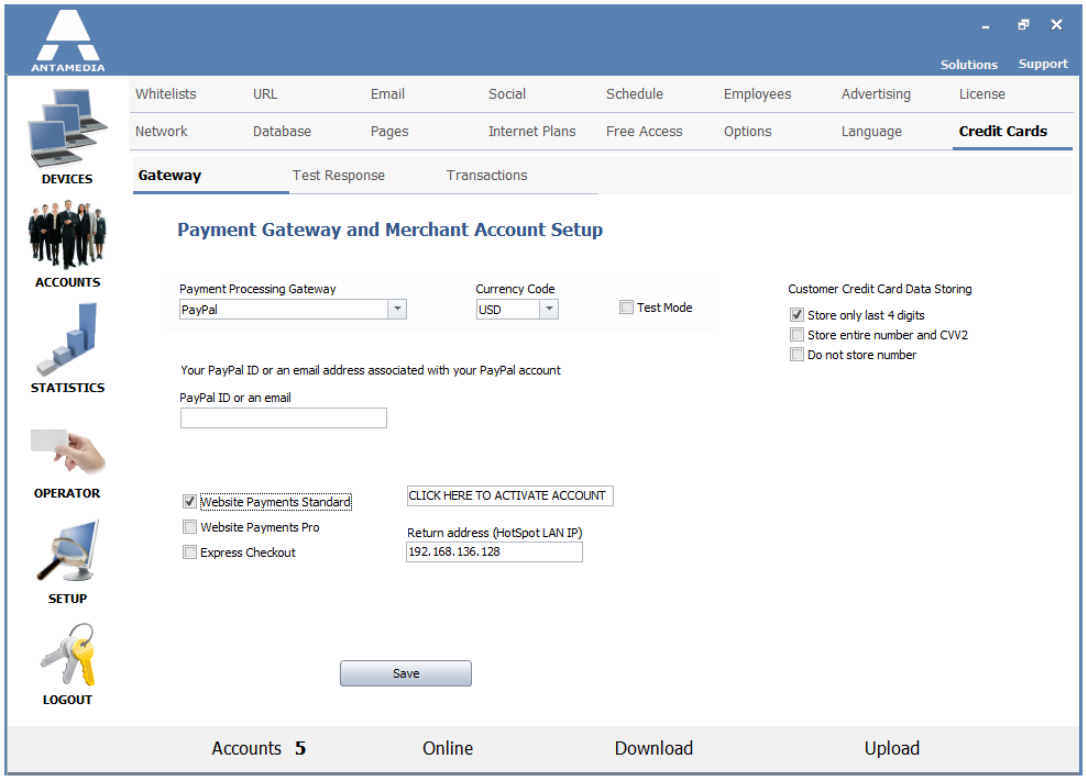
Payment gateways often requires whitelisting of their servers which are used during processing. Please click **Refresh Now** link from Host Whitelist page. After loading new servers to the list press on Save and restart HotSpot software.



12.1 PayPal

There are 3 PayPal processing options:

1. **Website Payments Standard** - payment is initiated on HotSpot page and completed on PayPal site. This method is the simplest to configure in HotSpot.



To configure **PayPal Website Payments Standard**, please follow these steps:

1. Select PayPal from **Payment Processing Gateway** drop-down menu
2. (Optional) Set currency that will be used for transaction
3. Enable **Website Payments Standard** checkbox
4. Enter PayPal ID or an email associated with your PayPal account
5. Make sure that **Return address** is the same as IP address of LAN (NIC2) network card
6. Click **Save** button

2. **Website Payments Pro** - payment is completed from our software and there is no need to transfer a customer to PayPal site. Processing is completed faster but this option requires PayPal account with Payments Pro option enabled which is usually charged monthly by PayPal.

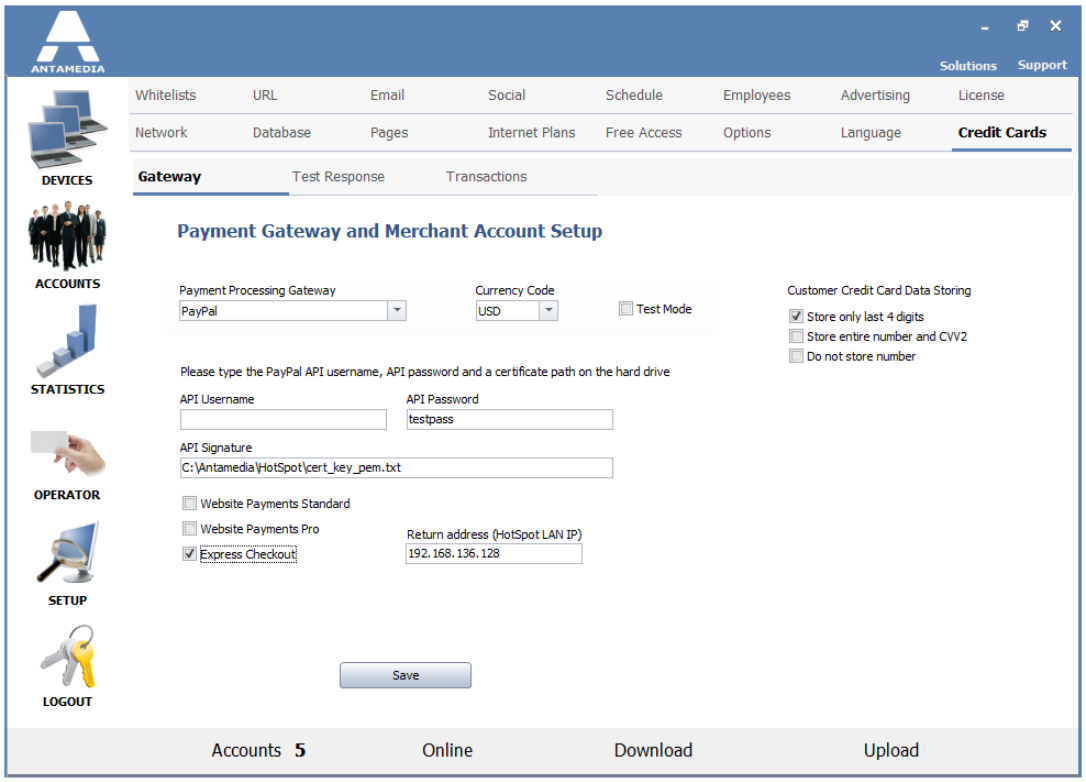
3. **Express Checkout** - payment is initiated on HotSpot pages and completed on PayPal site. Customer can use already existing PayPal account for the payment which significantly simplifies order, and the credit card payment is available for new customers who do not have a PayPal account. Paypal Express Checkout is available in countries depending on the current PayPal regulation

Website Payments Pro and **Express Checkout** require PayPal API certificate:

1.Log in to PayPal, then click Profile under My Account.
2.Click My selling tools.
3.Click API Access.
4.Click Request API Credentials.

5.Check Request API certificate and click Agree and Submit.
6.Save the values for **API Username** and **API Password** for later use.
7.Click Download Certificate and save the file to Hotspot installation folder.
8.Rename this file to something familiar, such as paypal_live_cert.pem.

After saving certificate, you need to enter API Username, API Password and path to certificate file.



If you are not getting PayPal pages, or a response is very slow, please check at PayPal support what are the current requirements for host whitelisting since they sometimes change the servers involved in payment processing.

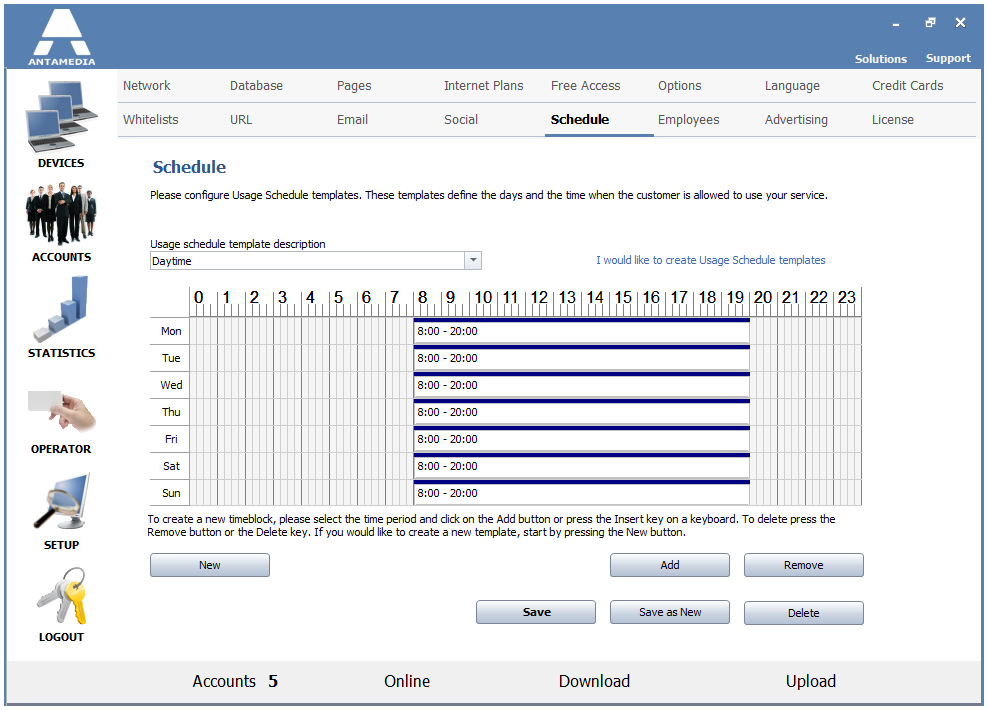
13 Schedule

Schedule feature helps you define when the customers are allowed to use your services. Using a graphical interface you can draw the blocks which define the time intervals when your services can be used.

Graphical grid is displayed like daytime hours on one axis and the days in a week (Monday to Sunday) on the other axis. This provides the full control over the whole week. Blocks are displayed in 15 minute steps.

To create a new time block, please select a time period and click **Add button** or press Insert key on a keyboard. To delete time block, please press **Remove** button or Delete key on the keyboard. If you like to create a new template, you can start by pressing **New** button. To store template changes, please use **Save** button. To save new template use **Save As New** button and specify template name. Use **Delete** button to delete usage schedule template from the database. You can move the block by pressing and holding left mouse button on top blue bar.

Once you configure all the templates, you can assign them to desired accounts. To do this, please click on the account and go to **Manage Account** page. Enable the usage schedule for that account and choose a template. Press **Save Changes** button. From that moment, a customer may login and use your services only in time periods defined by the assigned usage schedule. For example, if customer may login from 8AM to 8PM, login will be possible within that interval, and if logged in, a customer will be automatically logged out at 8PM.



14 URL Tracking

14.1 URL Tracking

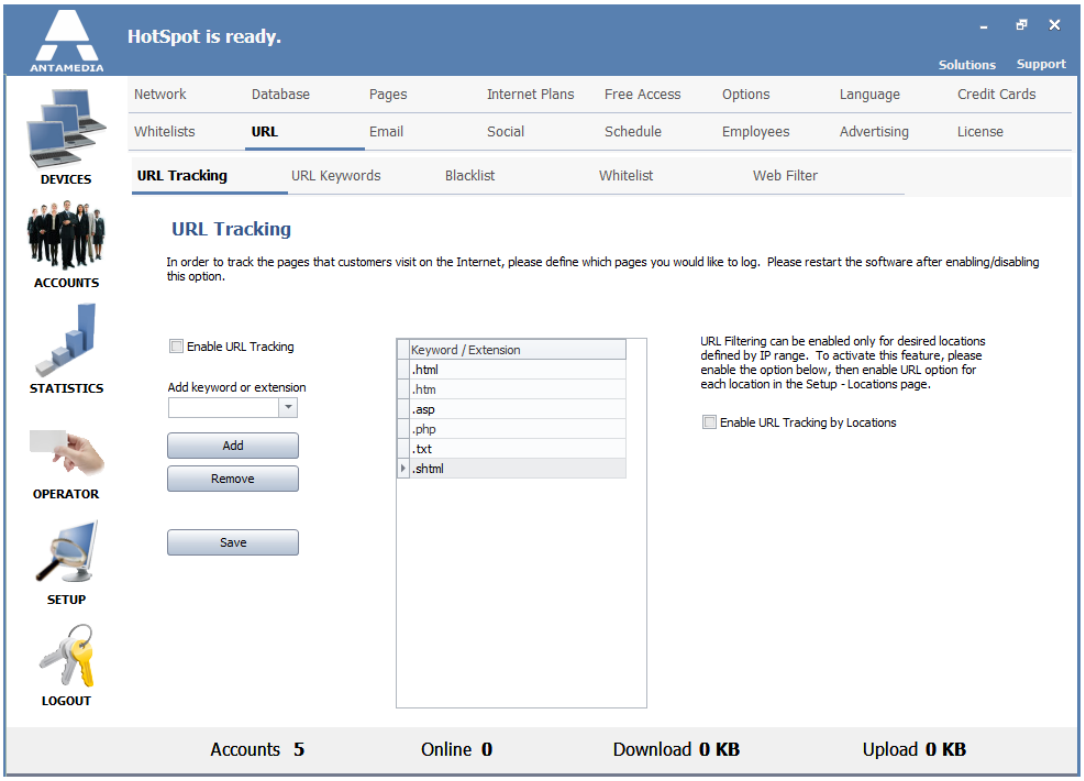
URL Tracking feature helps you track web pages which your customers visit on the Internet.

By default, HotSpot will track *.htm, *.html, *.asp, *.php, *.txt files, but you can modify the list or add new extensions. We do not recommend tracking graphic files (like *.jpg, *.gif ...) since this significantly increases the processing. Using URL tracking you can also track the web pages which include specified keyword.

HotSpot can also track URLs by location: if you need this feature please check **Enable URL Tracking by location** option, then enable URL option for needed locations from HotSpot - Setup - WiFi Locations page.

To add new a new keyword or extension, please type it in the **Add keyword or extension** field and press **Add** button. To remove keyword or extension from the list, please select it from the list using left mouse click and press Remove button. When you finish, please press **Save** button. URL Log 158 can be seen from Statistics

After enabling or disabling URL tracking option, **Antamedia HotSpot should be restarted**.



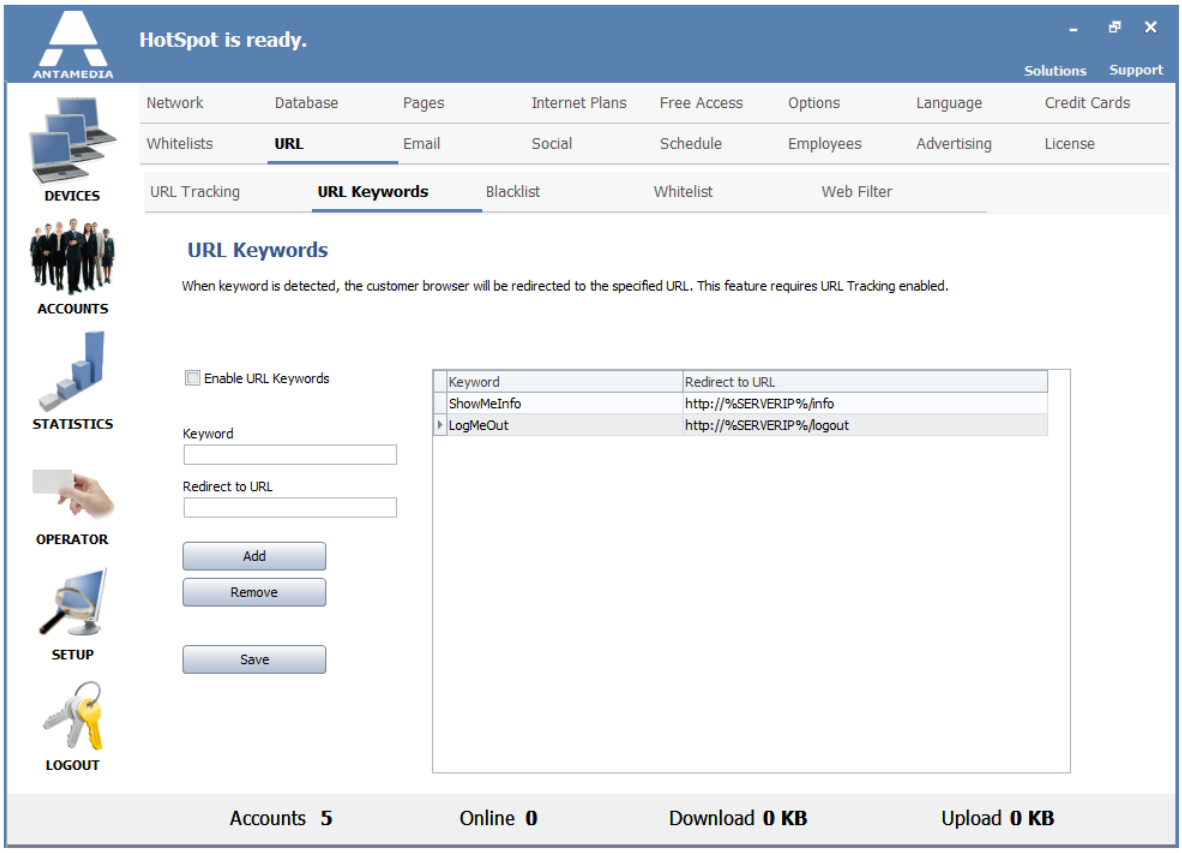
14.2 URL Keywords

URL keywords are used to redirect customer browser to the specified URL when customer tries to access website URL with defined keyword.

By default, two keywords are configured:
ShowMeInfo, which is used to show Info page in customer browser
LogMeOut, which is used to logout automatically a customer from HotSpot

This is a very useful feature which can be used for various purposes. For example, you can redirect customer browser when a competition brand name is detected (a user searches Google for competition brand).

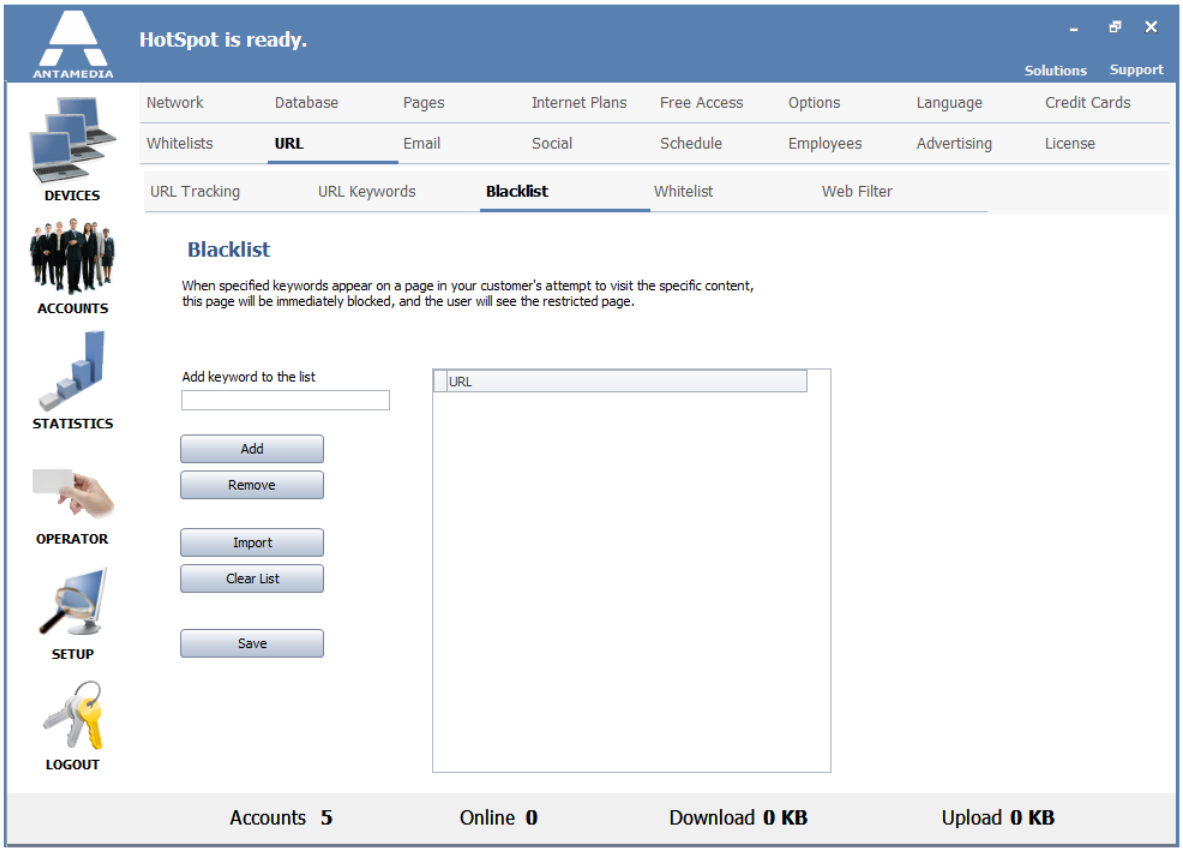
Requirement:
URL Keyword option is active only when URL Tracking is enabled.



14.3 URL Blacklist

HotSpot URL Blacklist feature helps you to block the access to web pages that contain specified keywords. When a specified keyword appears in URL address which your customer tries to visits, the access to that web page will be automatically blocked. Customer will get warning message that access is restricted by HotSpot.

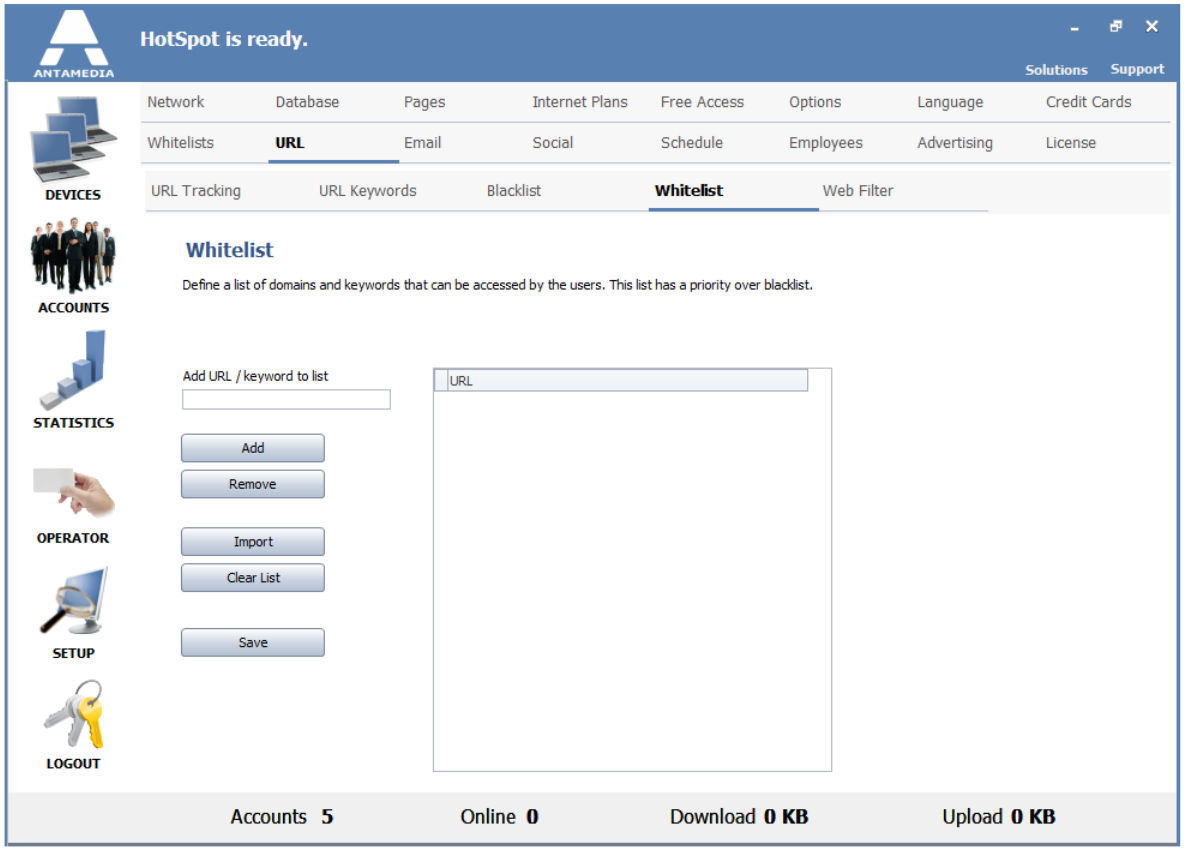
To add a keyword, please type it in **Add keyword to list** and press **Add** button. To remove keyword from the list, please select it from the list using left mouse click and press **Remove** button. When you finish, please press **Save** button.



14.4 URL Whitelist

The purpose of URL Whitelist is to complement Web Filter feature by allowing you to configure a list of keywords that will be excluded in Web Filter. For example, you can block Social Networks category, but allow www.twitter.com website by adding "twitter" keyword to URL Whitelist.

To add a keyword, please type it in **Add keyword to list** and press **Add** button. To remove keyword from the list, please select it from the list using left mouse click and press **Remove** button. When you finish, please press **Save** button.

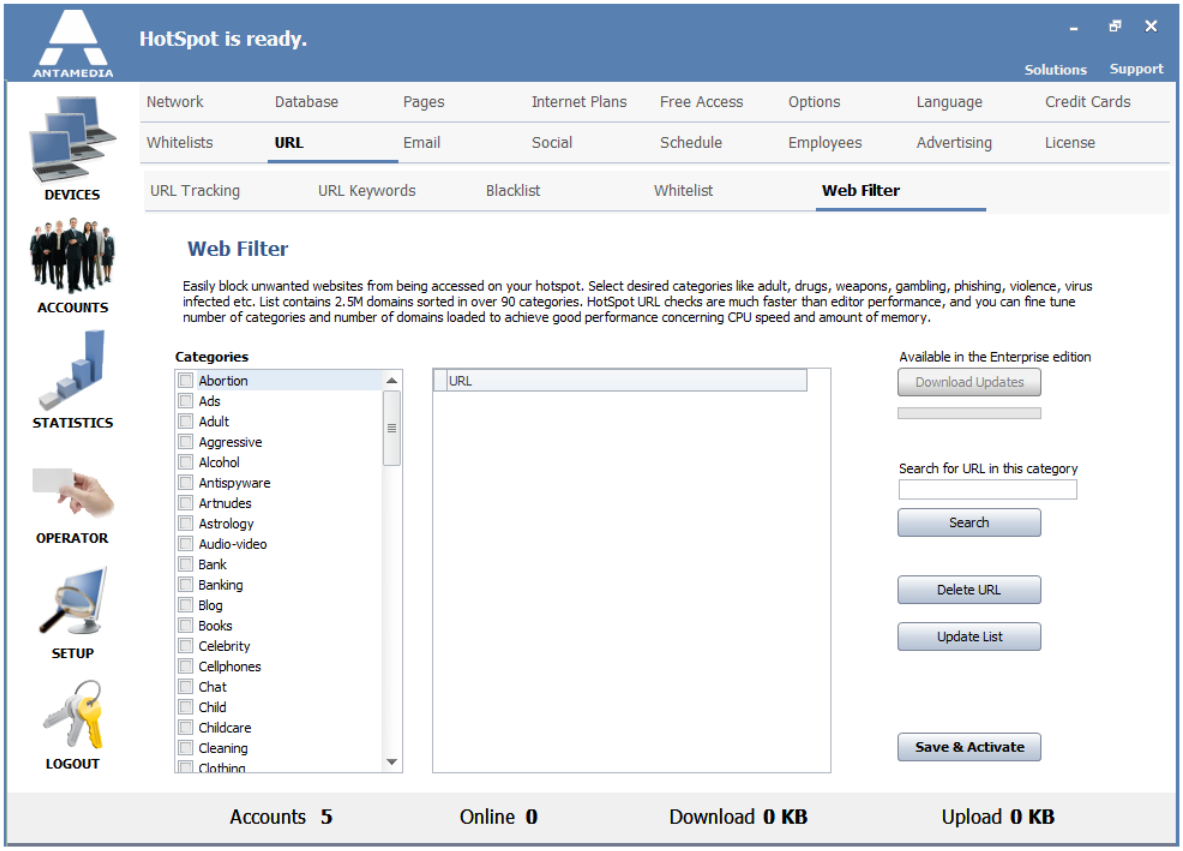


14.5 Web Filter

HotSpot software can help you block unwanted URL's or websites from being accessed on your client network. For this task, Web Filter needs to be configured. This feature is available in Enterprise edition.

In the main Setup section screen go to **URL** tab and choose **Web Filter** tab. In this tab you can find more than 2.5 million domains sorted in over 90 categories, such as adult, warez, ads, drugs etc. HotSpot URL check are much faster than editor performance, and you can fine tune number of categories and number of domains loaded to achieve good performance concerning CPU speed and amount of memory.

To activate Web Filter please follow these steps:
1. Click **Download Updates** button to download all categories from our server
2. Select the categories you wish to block. Some categories are large (like adult), and performance on slower computers may depend on the number of included categories and number of domains inside.
3. Click the **Save & Activate** button to turn on the Web Filter with the selected list of categories and domains.



15 Whitelist

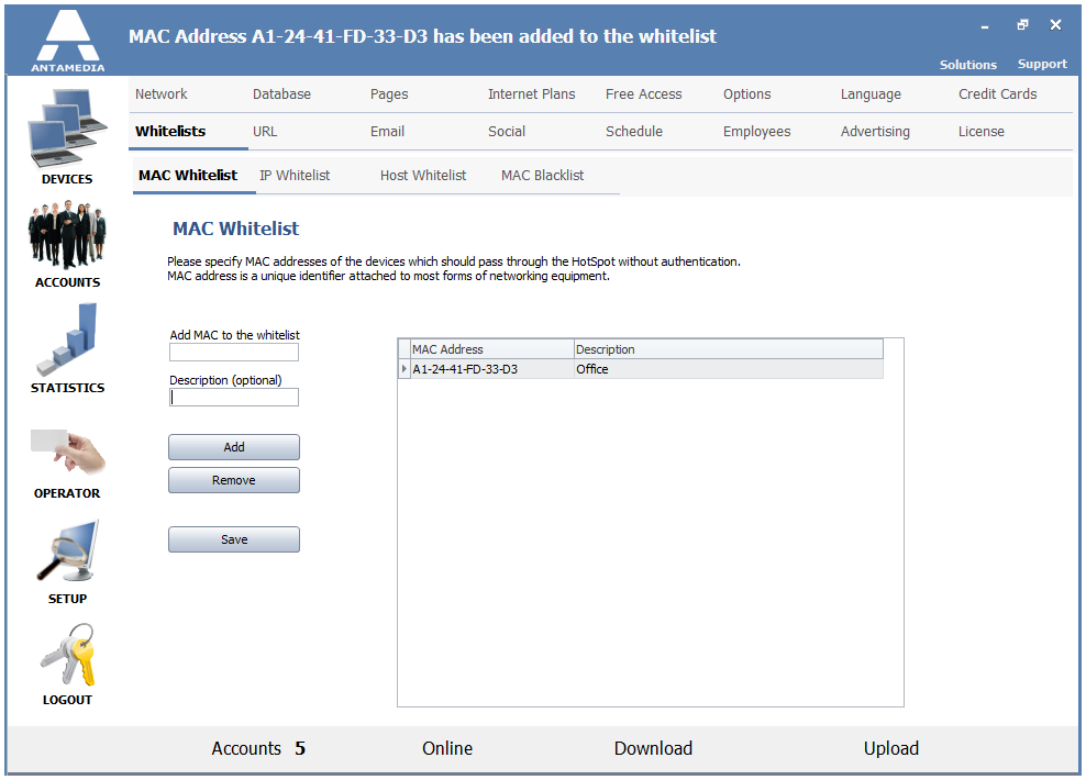
Whitelist is used to specify the computers which should pass through the HotSpot without authentication. Such computers are not listed at the main page, and their usage is not tracked. Whitelist can be used, for example, to let your IP cameras communicate without login procedure. You can also whitelist some of the computers which should be accessed remotely.

HotSpot uses IP whitelist and MAC whitelist to define which computers are allowed to pass-through without authentication.

15.1 MAC Whitelist

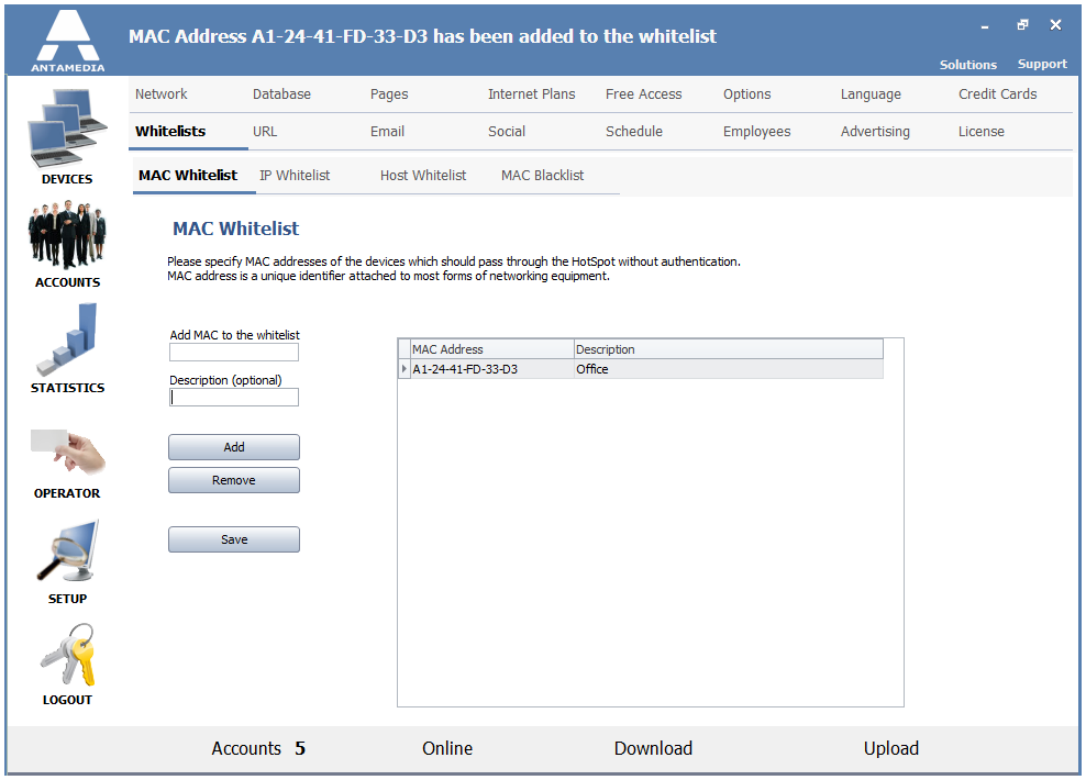
Antamedia HotSpot software gives you ability to specify MAC addresses of computers which should pass through the hotspot without authentication. MAC address is a unique identifier attached to most forms of networking equipment.

To add new computer that should pass through the HotSpot without authentication type MAC address in **Add MAC address in whitelist** and press **Add** button. To remove computer from whitelist select it with the left mouse click from the whitelist and press **Remove** button. When you finish, please press **Save** button. Please note that the bandwidth of whitelisted devices is not measured.



15.2 IP Whitelist

To add computer IP address that should pass to the Internet through the HotSpot software without authentication, please type computer IP address in **Add IP address** field and press **Add** button. To remove computer from the whitelist, please select computer IP address in the whitelist using left mouse click and press **Remove** button. When you finish, please press **Save** button. Please note that the bandwidth of whitelisted devices is not measured.



15.3 Host Whitelist

Host whitelist helps you to allow access to specified websites without authentication. There are many reasons to whitelist some hosts, like:

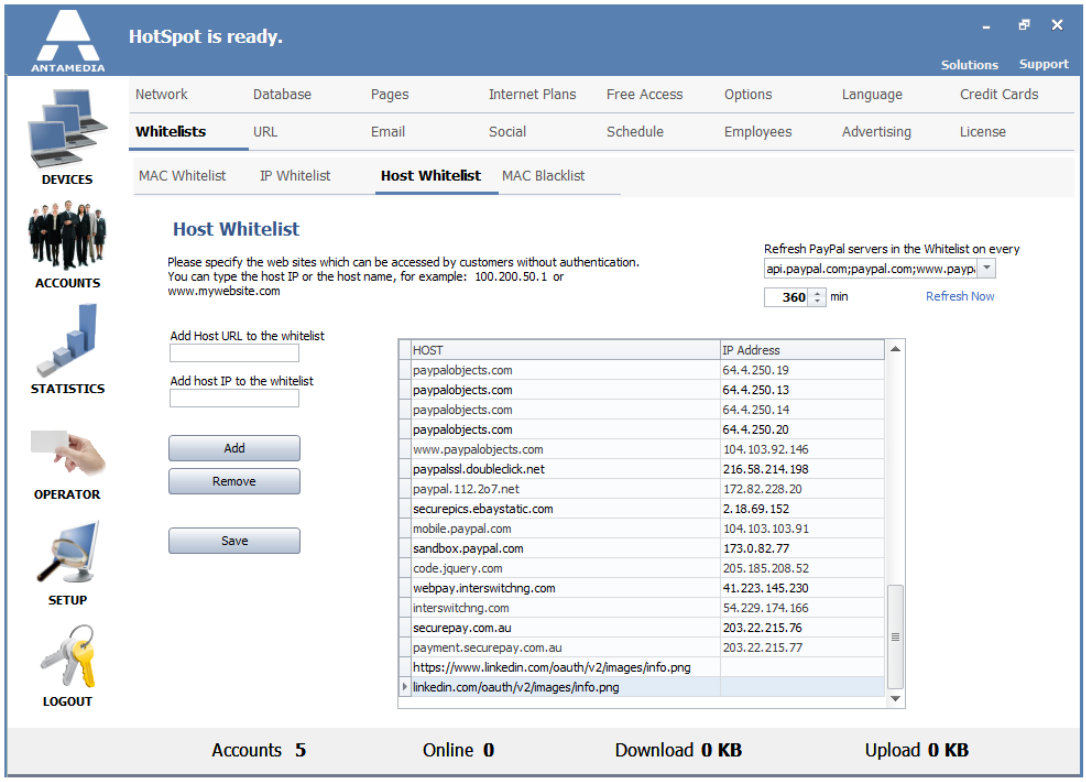
- Credit card gateway (like PayPal) needs some hosts accessible in order to process customer credit card payment
- Advertising purposes, where you can allow the access to some websites without authentication. For example your website which is located on the remote web hosting company. You can specify the host IP address or the host name like: 100.200.50.1 or www.mywebsite.com
- Free use of search engines, but customer pays to see websites from search results

In the HotSpot - Setup - Whitelist - Host Whitelist page you can see two different ways to add website in the whitelist:

Add host IP to whitelist If you know website IP address (like 100.200.50.1)

Add host URL to whitelist If you know website URL address (like www.mywebsite.com)

Press Add button to add host IP or host name, or press Remove button to remove host IP or URL address selected in the whitelist. When you finish, please press Save button.

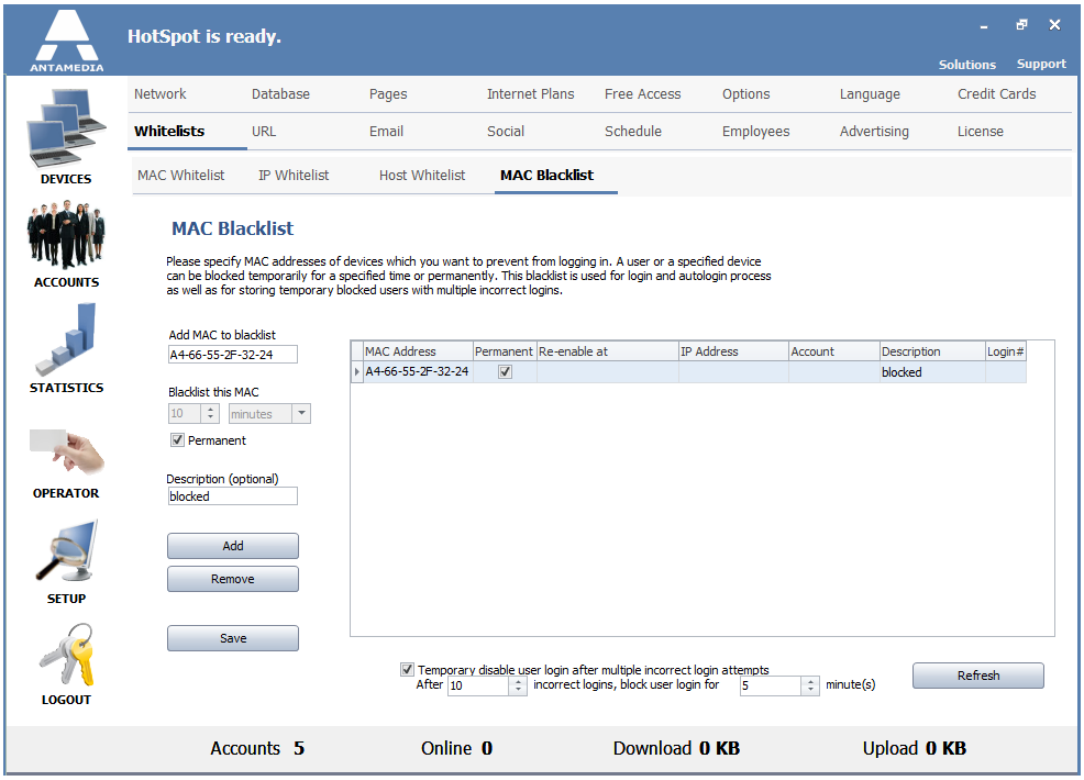


15.4 MAC Blacklist

This feature blocks the Internet access for specified MAC addresses.

You can do it by adding MAC address to the list:
1. Open HotSpot - Setup - Whitelist - MAC Blacklist page
2. Enter computer MAC address in the text field
3. Set how long this computer will be blacklisted or check Permanently
4. (Optional) Enter description
5. Click **Add**
6. Click **Save**

To re-enable blacklisted computer, please click on it in blacklist and click **Remove** button. Computers can be also automatically added to the blacklist. HotSpot will blacklist a computer for 5 minutes if there has been more than 10 wrong login attempts from it. You can change this default behavior from this page.



16 HotSpot Access Rights

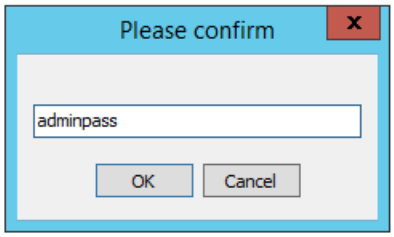
Antamedia HotSpot software supports different access rights.
While Administrator has full access to all HotSpot settings, you can set other employee accounts with limited software access. Each employee has to login in order to do tasks in HotSpot. There are several types of employee accounts like: Administrator, Supervisor, Manager, Operator, Technician etc. You can also create employee account with custom access rights.

Administrator has full access in the software.
Manager can access statistics, reports, bills, action logs. Manager may create and modify the account properties or refill accounts, but may not Start or Stop HotSpot engine or access HotSpot setup pages.
Operator can only create and sell the accounts using simple, easy to learn interface.

16.1 Main Administrator Password

Default Administrator login password is blank. Option to define new Administrator password is located in the HotSpot - Setup - Employees page. Type a new password in **Main Administrator password** field and press **Save** button .

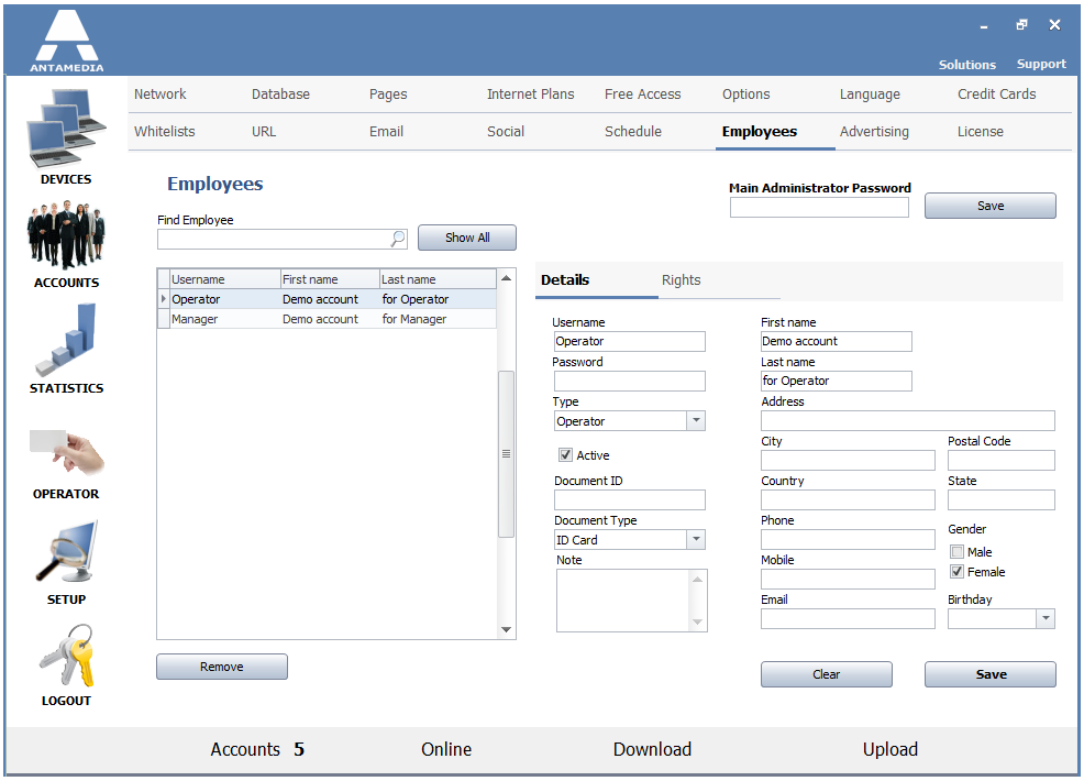
Confirm Administrator password in new pop-up menu and press **OK** button.



16.2 Creating Employee Accounts

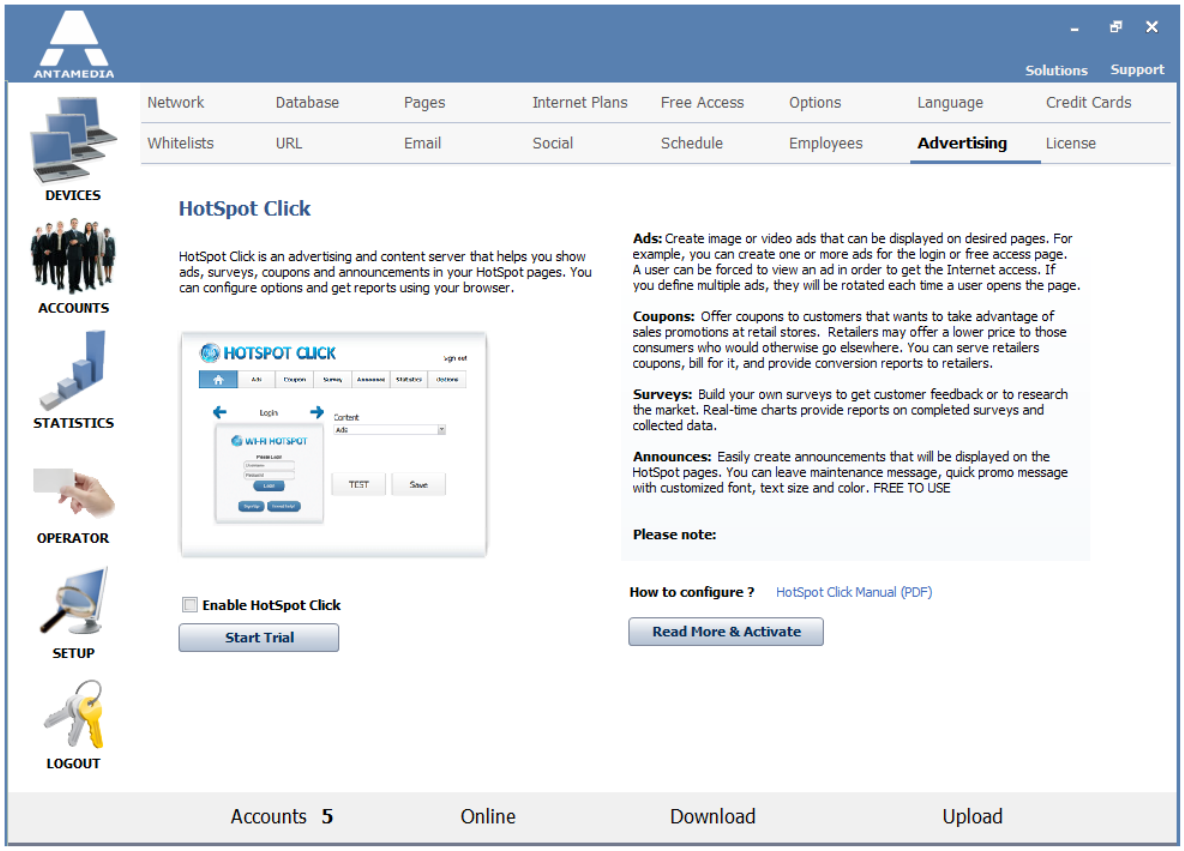
How to create a new employee account:
1. Type **Username** and **Password** of your employee
2. Choose **Type** of employee account
3. Fill in other optional details, like address, city, birthday, email, mobile number, document ID
4. Select **Active** to allow login in the HotSpot
5. (Optional) Add a photo of the employee or document scan
6. Click **Rights** tab and assign access rights to employee account
7. Press **Save** button to store a new employee in database

To delete employee account from the list, please select the account with left mouse click and press **Remove** button.


ANTAMEDIA
Solutions
Support
Network
Database
Pages
Internet Plans
Free Access
Options
Language
Credit Cards
Whitelists
URL
Email
Social
Schedule
Employees
Advertising
License
DEVICES
ACCOUNTS
STATISTICS
OPERATOR
SETUP
LOGOUT
Employees
Main Administrator Password
Save
Find Employee
Show All
Username
First name
Last name
Operator
Demo account
for Operator
Manager
Demo account
for Manager
Details
Rights
Username
Operator
Password
Type
Operator
Active
Document ID
Document Type
ID Card
Note
First name
Demo account
Last name
for Operator
Address
City
Postal Code
Country
State
Phone
Gender
Male
Female
Mobile
Email
Birthday
Remove
Clear
Save
Accounts 5
Online
Download
Upload

17 Advertising with HotSpot Click

HotSpot Click is an advertising and content server that helps you show ads, surveys, coupons and announcements. It can be used to display video and image ads, coupons and surveys that can increase revenue.
You can offer free Wi-Fi access in exchange for ad watching and get real-time ad click and impression reports. HotSpot Click allows you to configure it and get statistical reports through an intuitive web interface using your browser.



- **Ads:** Create image or video ads that can be displayed on desired pages. For example, you can create one or more ads for the login or free access page. A user can be forced to view an ad in order to get the Internet access. If you de?ne multiple ads, they will be rotated each time a user opens the page.

- **Coupons:** Offer coupons to customers that want to take advantage of sales promotions at retail stores. Retailers may offer a lower price to those consumers who would otherwise go elsewhere. You can serve retailers coupons, bill for it, and provide conversion reports to retailers.

- **Announcements:** Easily create announcements that will be displayed in the HotSpot pages. You can leave maintenance message, quick promo message with customized font, text size and color. This option is free for all licensed HotSpot users.

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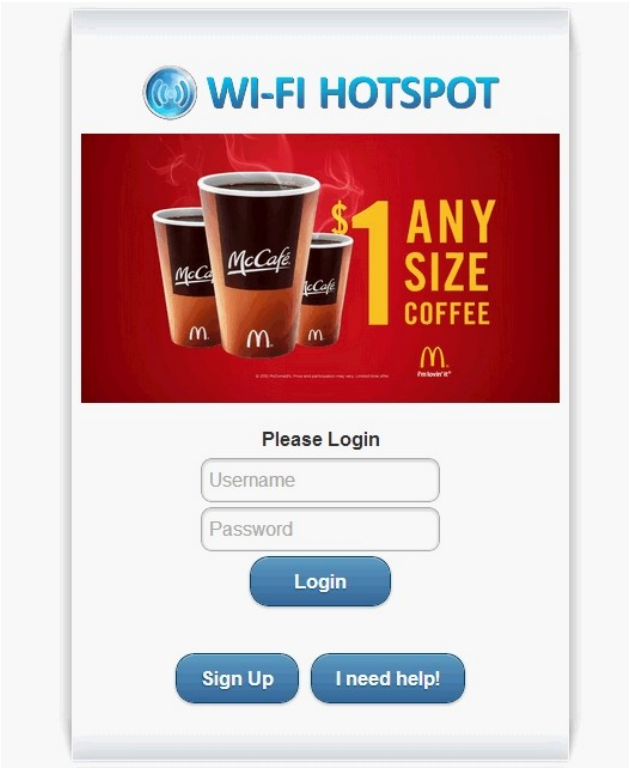
STARBUCKS COFFEE
Please wait ... 5
MOCHA PRALINE
DARK MOCHA


WI-FI HOTSPOT
$1 ANY SIZE COFFEE
Please Login
Username
Password
Login
Sign Up
I need help!

17.1 Starting HotSpot Click

To activate **HotSpot Click**, please go to Setup - Advertising page and enable this feature, then click **Save**(licensed version) or ***Start Trial** button. Application will start and your default browser will be launched automatically, we recommend using Google Chrome. You can login with default credentials: **Administrator** username and blank password.

From the main screen you should select which HotSpot web pages will show additional content and what type they will display. After you configure desired settings, press **Save** button to apply them or click **TEST** to check how the page will look in customer's browser.

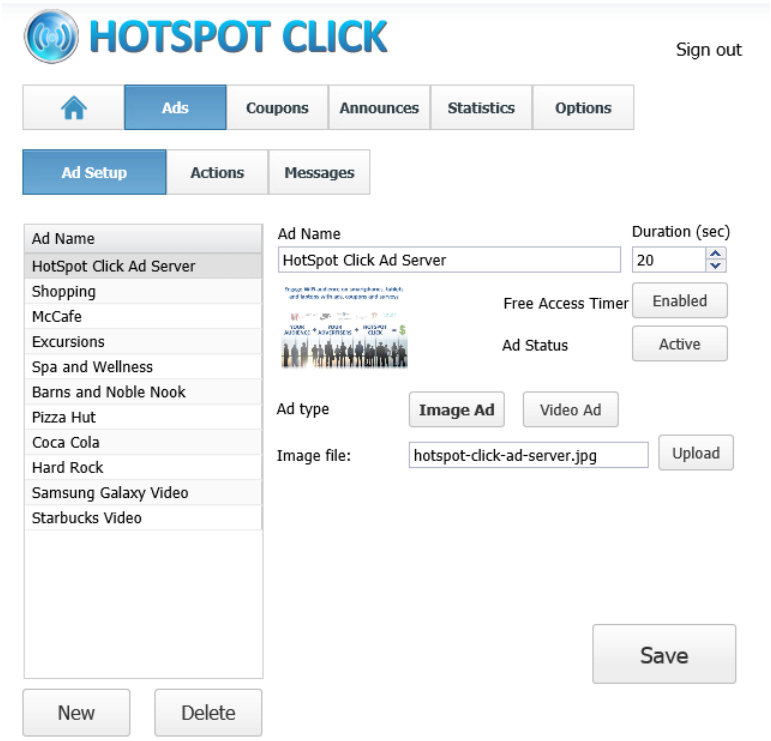
*Note that during trial period Click will stop working after 60 minutes, after that you should press Start Trial button again.

17.2 Ads

To configure new ads or modify existing, click **Ads** button on the top bar, next to home icon. The page will show a list of available items, select one to modify it or press **Delete** to remove the ad. Ads are rotated each time user opens the page. To create an ad, click **New** button located under the list, configure the settings and then press **Save**.

HotSpot Click supports image (.jpg) and video (.mp4, .webm, .ogv) files. For each ad you should configure 3 sections:

- **Ad Setup** - Under this tab you can configure basic settings like ad name and path to the image/video file.
- **Actions** - Configure which action will be performed after the user had watched the ad.
- **Messages** - Customize the appearance of countdown timer and message shown after the ad.



Ad Setup

Ad Name	Set the name of the ad, so you can refer to it inside the Click, Hotspot users will not see this name.
Duration (sec)	Use this option to set how long user has to watch the ad before getting Internet access.
Free Access timer	Enable or disable countdown message that is displayed on top of the ad. Disable this option if you don't want to allow free access to users after they watch the ad.
Ad Status	Set whether the ad will be shown to Hotspot users.
Ad Type	Select one of the two available ad formats, HotSpot Click supports image (.jpg) and video (.mp4, .webm, .ogv) files.
Image/Video file	To upload the ad file, click **Upload** button, choose the file from hard drive

Actions

Advertiser URL	Set a web site that will open when user clicks on the ad image/video
After watching the ad, user will start Internet browsing with	Choose whether the user will start to browse with Advertiser URL, a custom web address or collect data page

Messages

Text	Enter the timer message text or leave default variable if you need multilanguage support, text for this variable can be configured from Hotspot - Setup - Language - Browser Language page
Text font	Select desired font type using this field
Text size, alignment	Choose Text size and Alignment within the message box
Text color, background	Set the color for text and background, HTML color codes have to be used (http://html-color-codes.info/)

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17.3 Coupons

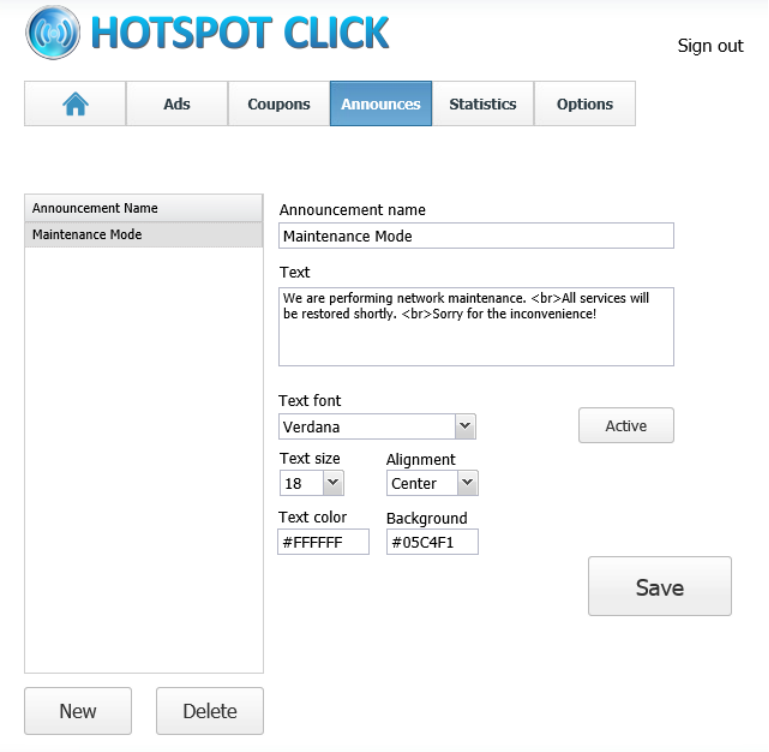
To configure the coupons in Click, press **Coupons** button on the top bar. The page will show a list of available items, select one to modify it or press **Delete** to remove the coupon. To create a coupon, click **New** button located under the list, configure the settings and then press **Save**.

Name	Set the name of the coupon, so you can refer to it inside the Click.
Offer	Set the specific offer for coupon (like 10% off, 5$ credit etc.)
Category	Select coupon category, define new categories under Options - Categories tab
Coupon code	Enter alfanumeric code for the coupon
Description	Enter a short description of the offer in this field
Brand image	Upload a brand image(jpg, png, bmp or gif), this icon will be displayed in coupon grid on HotSpot web page
Coupon image	Upload a coupon image(jpg, png, bmp or gif), users will see this image after they open the coupon
URL	Specify URL address of the advertiser, user will be redirected to this address after clicking **Open Site** button
Location	By default it is set to all locations, but you can specify on which of them it will be available
Expiration	(Optional) Configure the coupon expiration date
Active	Use this button to enable or disable displaying of this coupon

17.4 Announces

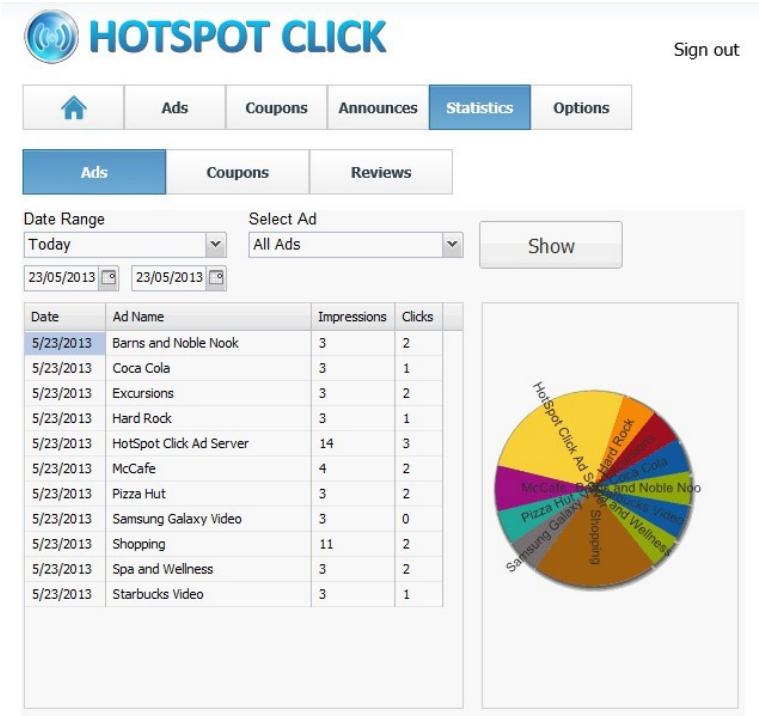
To configure new announcements or modify existing, click **Announces** button on the top bar. The page will show a list of available items, select one to modify it or press **Delete** to remove an announcement.

Announcement name	Enter the name of the item, so you can refer to it inside the Click.
Text	Enter the text for the announcement
Text font	Select desired font type using this field
Text size, alignment	Choose Text size and Alignment within the announcement box
Text color, background	Set the color for text and background, HTML color codes have to be used (http://html-color-codes.info/)
Active	Use this button to enable or disable this announcement



17.5 Statistics

From this section you can view and examine statistical data, HotSpot Click collects data on each customer engagement. Impressions and clicks data is available for ads, coupons and surveys. To display pie-chart report for all items for specified time period, please select starting and ending date manually or select a period from **Date Range** drop-down menu and press **Show** button.



Click can also display report for a specific item which shows impressions and clicks comparison chart and location comparison. To display it, select date range like described above, choose the item from **Select Ad\Coupon\Survey** field and click **Show** button.

HOTSPOT CLICK
Sign out
Ads
Coupons
Announces
Statistics
Options
Ads
Coupons
Reviews
Date Range
This Week
20/05/2013
26/05/2013
Select Ad
McCafe
Show
4.4
4
3.6
3.2
2.8
2.4
2
1.6
1.2
0.8
0.4
0
5/21/2013
5/23/2013
Impressions
Clicks
5.3
5
4.7
4.4
4.1
3.8
3.5
3.2
2.9
2.6
2.3
2
Main Location
HotSpot Location Impressions
HotSpot Location Clicks

17.6 Options

Advertisers

From **Options - Advertisers** page you can manage accounts of Click users, add new, modify or delete existing. There are two types of users:

- **Administrator** - User has access to all Click sections, administrators can create or remove other users, manage coupon categories and edit Click HTML cod.
- **Advertiser** - Users of this type do not have access to **Options** section, they can manage allowed content types and view the statistics.

Categories

From this page you can manage product/service categories for coupons in Click.

Code

Advanced users with HTML and JavaScript knowledge can directly edit Ads(image and video type) and Coupons code.

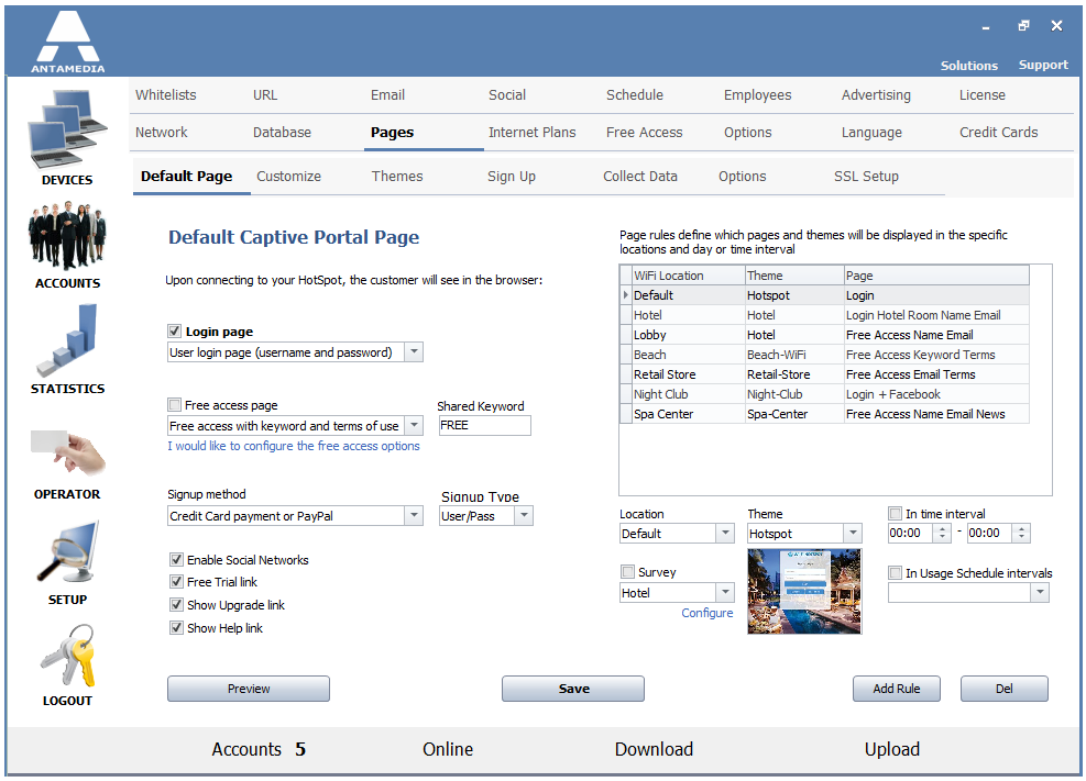
18 Free Access

Antamedia HotSpot software helps you offer Free WiFi access to customers in your Hotel, Restaurant, Cafe etc. Using HotSpot's Free Access mode you can efficiently manage and control WiFi service. You can choose whether users will access Internet by clicking on a button, entering shared keyword or signing up for free account.

Free users are tracked by MAC address, you can set HotSpot to automatically delete expired free users after specified time interval. If you want to re-enable expired free user immediately, please delete appropriate MAC address from the Free users list on the Accounts page.

To configure Hotspot in free access mode, please follow these steps:

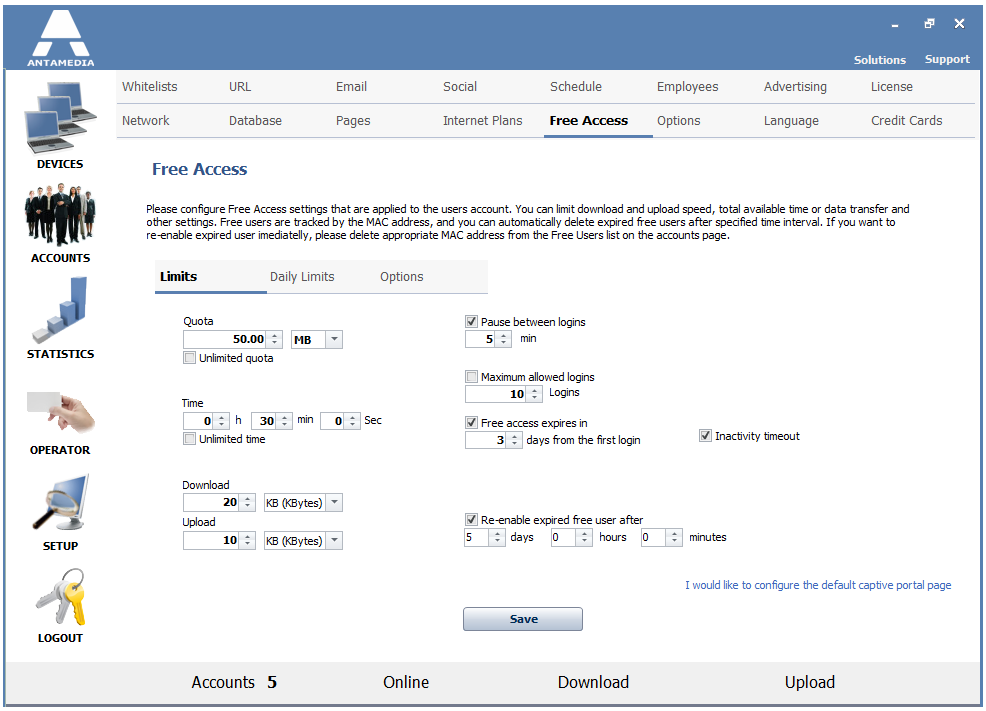
1. Go to HotSpot - Setup - Pages - Default page screen and choose **Login page** with a **free trial link** or **Free access page** option
2. Select Free access type and Free signup method if you want to set sign up also
3. Click **Save** button
4. Configure limits for free users on HotSpot - Setup - Free access page (these limits will be applied to Free users without an account and for accounts created with Free SignUp)
5. Click **Save** button



18.1 Free Access Limits

Free access can be limited with several parameters:

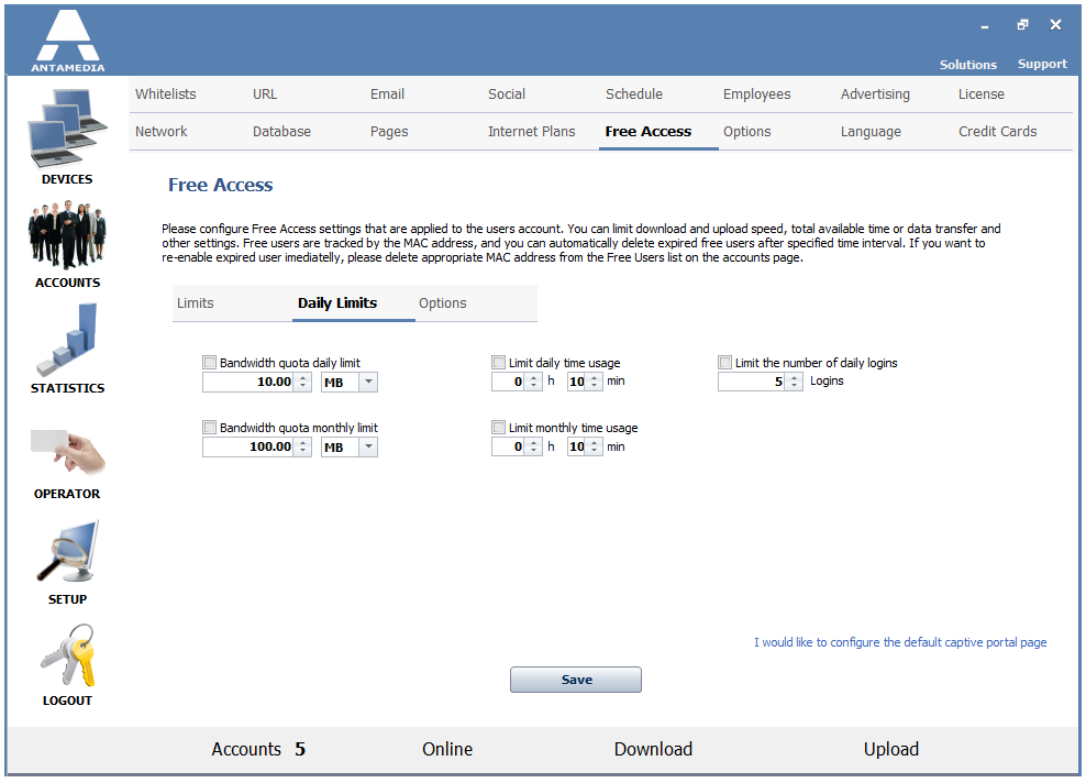
Quota	Specify quota for free user session
Unlimited quota	Set unlimited quota for user session
Time	Specify time for free user session
Unlimited time	Set unlimited time for fee user
Download	Download speed during free session
Upload	Upload speed during free session
Pause between logins	After logout user has to wait specified time period before HotSpot allows next login
Maximum allowed logins	Total number of allowed logins with one free account
Free access expires in	Free access expiration time, account will not be valid after specified number of days
Re-enable expired free user after	HotSpot can delete a free account after it expires, thus enabling the same device to create new free access account (since access is controlled with MAC address)
Enable Usage schedule for free access	Specify time period when user can login. Day and time rules are defined in HotSpot - Setup - Usage Schedule page.
Inactivity timeout	Automatically disconnects the users from the Internet after specified time of inactivity



18.2 Free Access Daily Limits

Daily limits options used for free access are

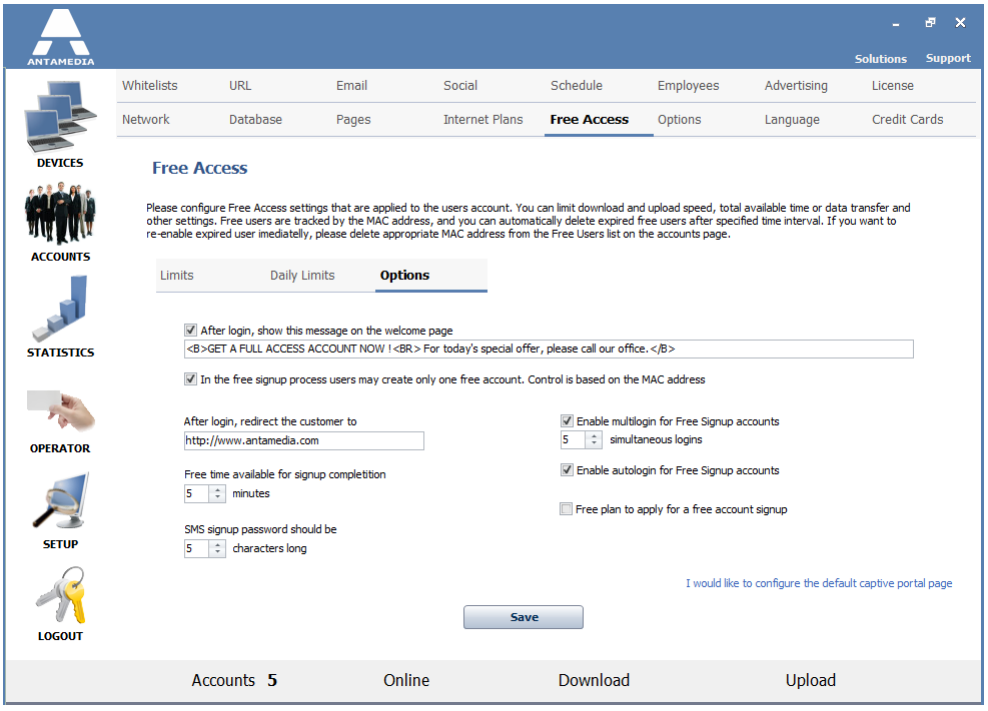
Bandwidth quota daily limit	Specify quota for free user session
Bandwidth quota monthly limit	Set unlimited quota for user session
Limit daily time usage	Specify time for free user session
Limit monthly time usage	Set unlimited time for fee user
Limit the number if daily logins	Download speed during free session



18.3 Free Access Options

Set of specific additional options for free access:

After login, show this message on welcome page	Set the text that free users will see on the page displayed after successful login. It can be used for promotional and marketing messages, instructions for users etc.
In the free signup process users may create only one free account	Activating of this option will limit free access with only one account from device based on MAC address
After login, redirect customer	Enter the URL of website to which you want to redirect free users after welcome page
Free time available for signup completion	This option applies to SMS and email free signup, after receiving a password user needs to login before specified time expires
SMS signup password should be __ characters long	Set how many characters should be used for Free signup with SMS confirmation
Enable multilogin for Free Signup accounts	This option will allow use of same Free access account from different devices at same time
Enable autologin for Free Signup accounts	Free access account will be automatically loged in after activating of this option
Free plan to apply for a free account signup	Select this option to use only free Internet Plans for free signup

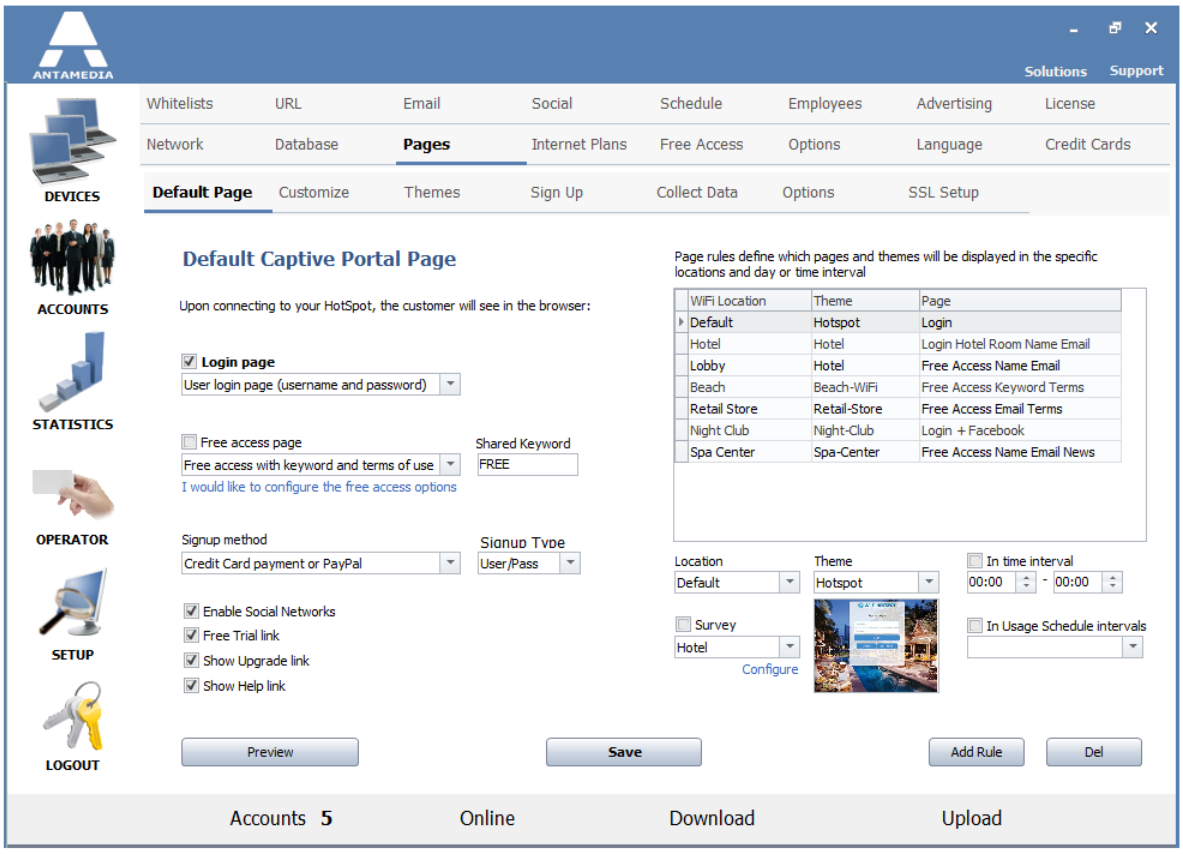


19 HotSpot Pages

19.1 Default page

Configuration of default HotSpot captive page is done from HotSpot - Setup - Pages - Default page screen, where you can customize the look and functionality of the page. To check how page will look like, click **Preview page in browser** button to launch default browser with Hotspot login page. Antamedia HotSpot allows you to set different page rules for each location configured on HotSpot - Setup - Locations page.
To configure a set of default page rules, please follow these steps:

1. Select the location for which you want to define page rules
2. Choose type and subtype of the default page.
3. Select **Sign Up method** (these are explained on HotSpot - Setup - Pages - Sign Up page).
4. Configure Theme settings
5. Click **Save** button



Available **Login Page** types:

User login page	Customers will login with username and password
Ticket login page	Customers will login with tickets, also called vouchers (represented with an alpha-numeric code)
Dual login page	This type of page combines user and ticket login page
Hotel login (PMS Room, Name)	Automates login process by integrating with Hotel PMS software (PMS add-on required). Guest will enter room number and last name, and if details are correct, Internet access will be granted and cost (if defined) will be added to the guest room bill
Hotel login (PMS Room, Name, Collect e-mail)	Same process with collecting e-mail address
Hotel login (PMS Room, Name, Collect mobile)	Same process with collecting mobile number
Hotel login (PMS, Free Keyword)	Combination of PMS based login and Free keyword access. Suitable for Lobby where free access is usually provided
Hotel login (PMS Room, Name + user login)	Combination of Login and Signup. Guest have to signup with room/last name, and select a plan. Cost (if defined) is added to the room. Next time guest can login with room and last name. If desired, guest can upgrade for a higher speed plan (following the initial signup steps) and cost will be again added to the room bill
Login + Facebook	Login page with username and password fields and a Facebook button that allows free access after user shares a post on the wall
Hotel login (PMS, Access Code, Free)	Hotel PMS integration with tickets and free access. Guests can login with room/name, walk-in customers with voucher access code, and lobby guests can use free access
Login with Free Signup and Upgrade	Login page with Free signup and Upgrade link
Login page with a Free Trial link	User login page with a link that allows users to access Internet using free access mode
Free access page	This type of default page contains form for one of the free access modes.

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Free access types:

Free access with keyword and terms of use	Users are required to enter shared keyword and agree to your terms of use before getting free access
Free access with keyword	Users are required to enter shared keyword before getting free access
Free access with terms of use	Users are required to agree to your terms of use before getting free access
Free access with single click	Free access is allowed after user clicks a button, no keyword needed
Free access with Email and terms of use	Free access is allowed after user provides email address and agrees to your terms of use
Free access with Name and Email	Free access is allowed after user provides name, email address and agrees to your terms of use
Free access with social network	This type of page displays a Facebook button that allows free access after user shares a post on the wall
Free access with Ads	User gets free access after clicking on the displayed ad, requires Click add-on
Free access Name Email Newsletter	Free access based on the newsletter subscription
Free access with mobile sms verification	Free access based on sms verification

On the right side of the screen you can configure following options related to login page:

Location name	Select the location for which you want to configure page rules
Theme	Select one of the several offered styles for login and other pages
In time interval	(Optional) Configured page rules will be used only in time interval set here
In usage schedule intervals	(Optional) Configured page rules will be used only in usage intervals set here
Survey	Enabling of this option will show Survey on login page. From list select which of configured surveys will be used. Configure and Enable Survey 142 before selecting this option.

Signup types:

Hide Signup link on login page	Hide signup link from Login page
Credit Card payment or PayPal	Users are redirected to payment gateway signup pages
Refill Voucher based sign up	Users can signup for account using refill vaucher
PMS integration	Over Signup will be created accounts based on PMS integration
Free signup with terms of use	Free signup is allowed based on terms of use
Free signup	Free signup
Free signup with Email confirmation	Free signup with password send to email as confirmation
Free signup with SMS confirmation	Free signup with password send to phone as confirmation
Free signup with Name, Email and SMS confirmation	Free signup with Name, email and password send to phone as confirmation
Refill Voucher with SMS based sign up	Signup based on Voucher with SMS based signup

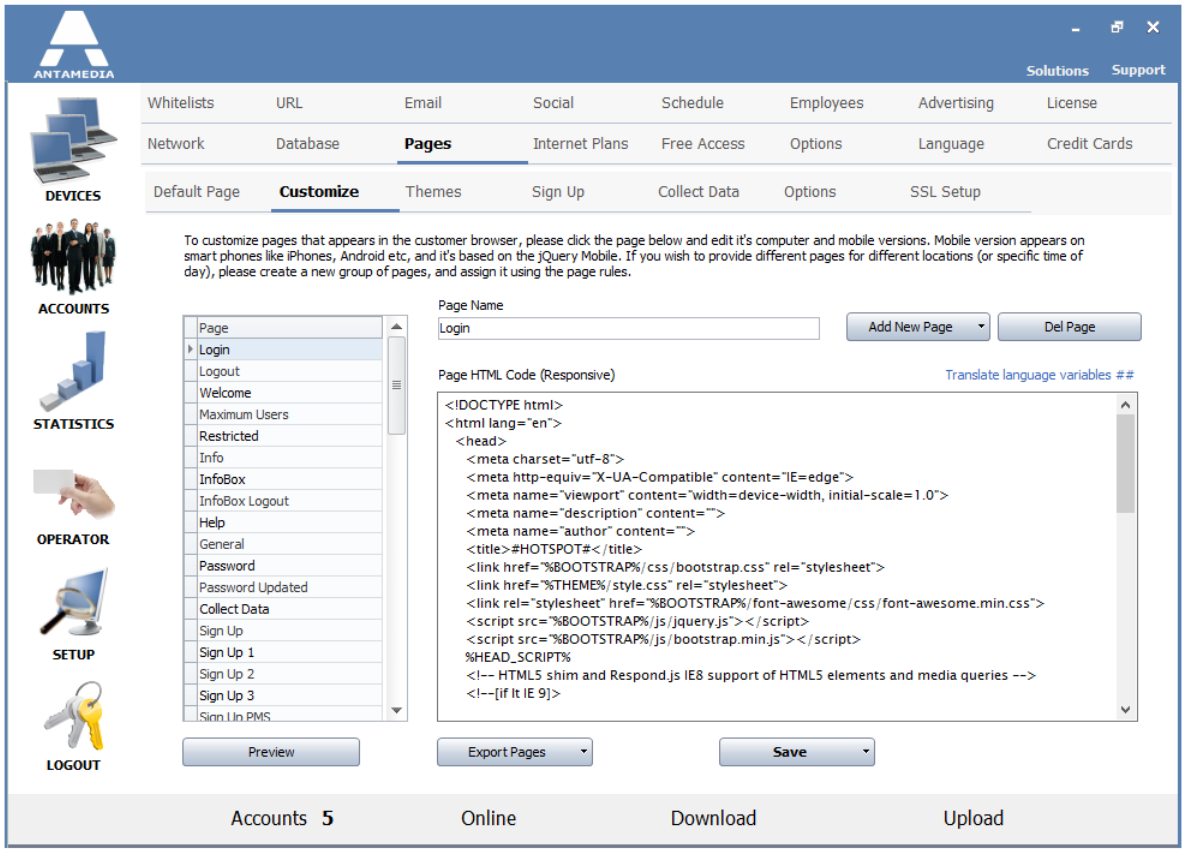
More informations specific settings used for Sign Up are available from Sign Up Settings 102

19.2 Customize

If you want to create a completely different design of HotSpot pages, or to integrate it with existing website, you can modify pages directly. Antamedia HotSpot software gives you an ability to modify all the pages displayed in customer browser like:
Login, Logout, Welcome, Max users, Restricted, Infobox, Info, Help etc. These pages are in HTML format. Unicode support is also included in software, this makes possible to use any language on the web pages.

You can edit the pages directly from the software on HotSpot - Setup - Pages - Customize page or using another editor like Notepad++, Dreamweaver etc. This requires exporting pages, press **Export** button to save the pages in C:\Antamedia\HotSpot\Pages folder, edit needed files in the same folder and import the files after you saved the changes (click the arrow on **Export** button). You can also define a new group of pages that can be used to set different page style for each Hotspot location.

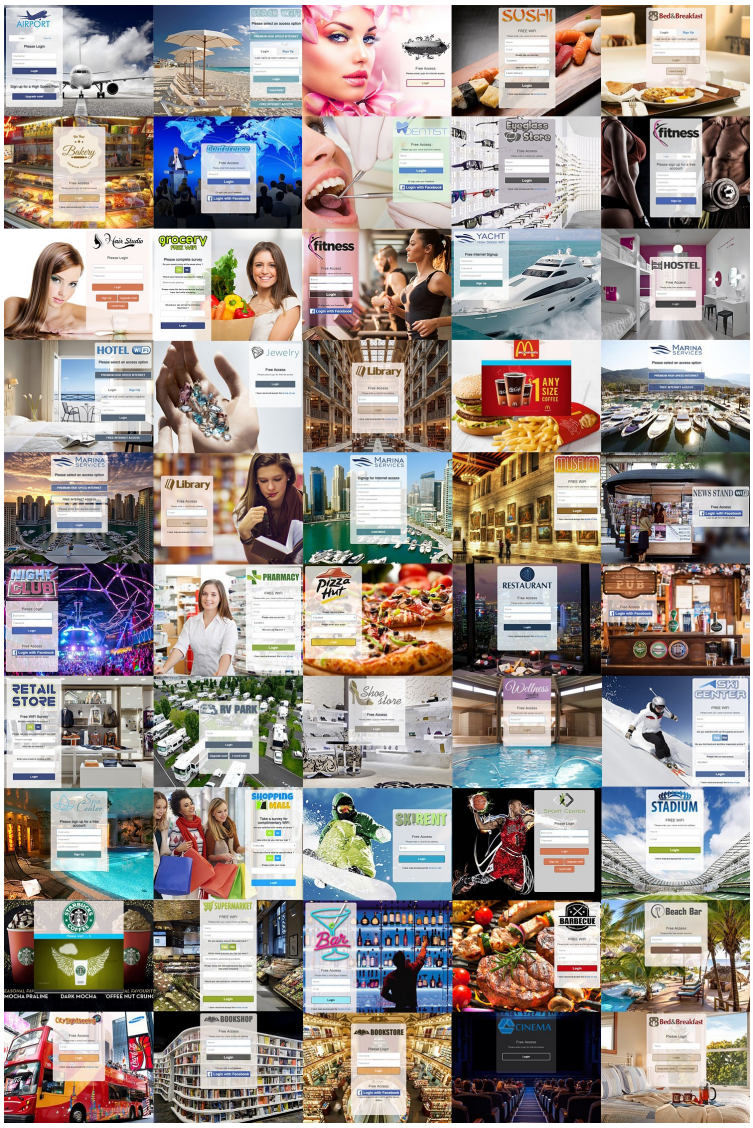
Preview page in browser button will open a browser and display currently selected page so you can see how your page looks like. When you finish, please press **Save** button or **Copy and create a new group of pages**.



19.3 Themes

HotSpot Themes are easy and convenient way to completely change how the HotSpot pages look in customer browser. Changing theme is very simple. In **Current Theme** field located in HotSpot - Setup - Pages - Default page screen, configure the preferred theme and your customers will see the change in their browsers for every new HotSpot page they open.

Antamedia HotSpot comes with **50+ themes** which you are allowed to use and modify for your purposes (redistribution is not allowed).

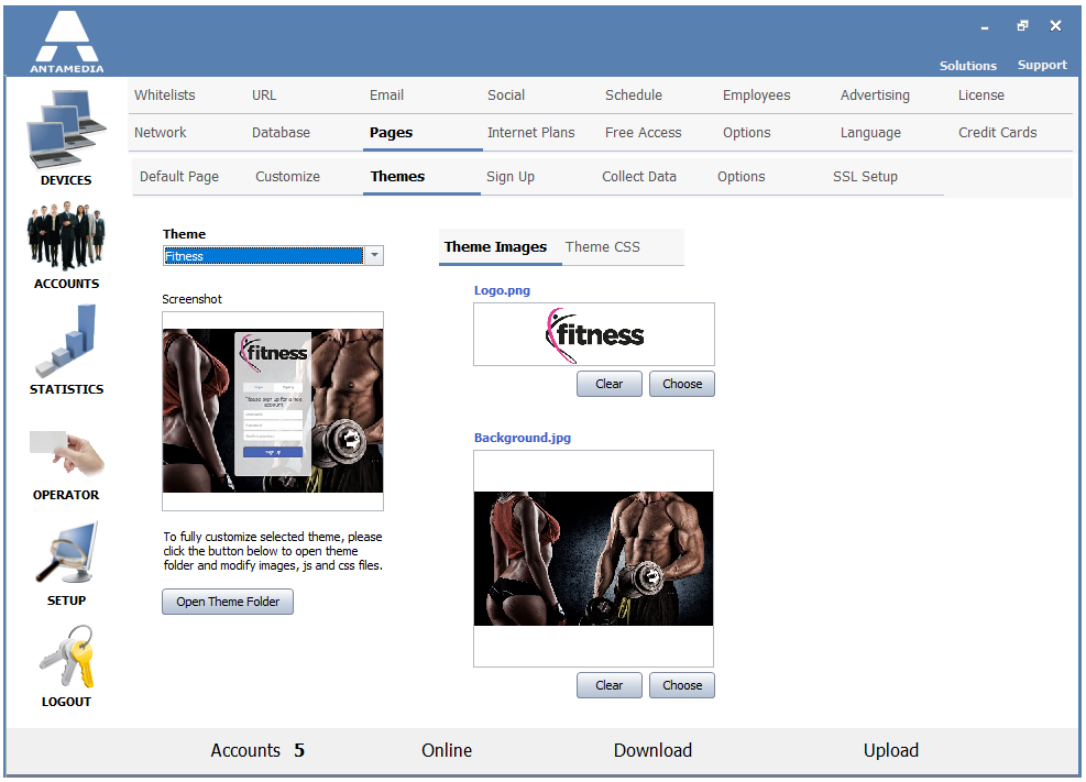


To customize it, please go to HotSpot - Setup - Pages - Themes. You'll find options to change image for the main logo, brand logo (bottom of the page), buttons and background. Logo and button images have to be in .png format, background requires .jpg file.

How to customize a HotSpot theme, step by step? The example below will cover main logo change, procedure is the same for buttons and background (except .jpg format).

1. Go to HotSpot - Setup - Pages - Themes screen
2. Select the theme you want to customize
3. Click **Open Theme Folder** button
4. Check what are dimensions of Logo.png file
5. Create a file with your logo that has the same dimensions, save it in .png format
6. Click **Clear** button to remove default image
7. Click **Choose** button, select your logo file and press **Open**
8. Go to HotSpot - Setup - Pages - Default page screen and press **Preview page in a browser** button to confirm the change

Themes can be further modified in order to match your corporate look. You can change colors, modify graphics and buttons and change the layout of page elements. These details are specified in Style.css file which can be modified directly from Themes page(click on **Theme CSS** tab) or using another editor like Notepad++ or Dreamweaver, file is located in each theme folder (like C:\Antamedia\HotSpot\www\Themes\Hotspot).



19.4 Sign Up Settings

Antamedia HotSpot provides automated self service signup process. When a customer clicks the 'Sign Up' link on the login page, browser will be redirected to the sign up page which is defined for it's location. This page defines available sign up methods for your customers.

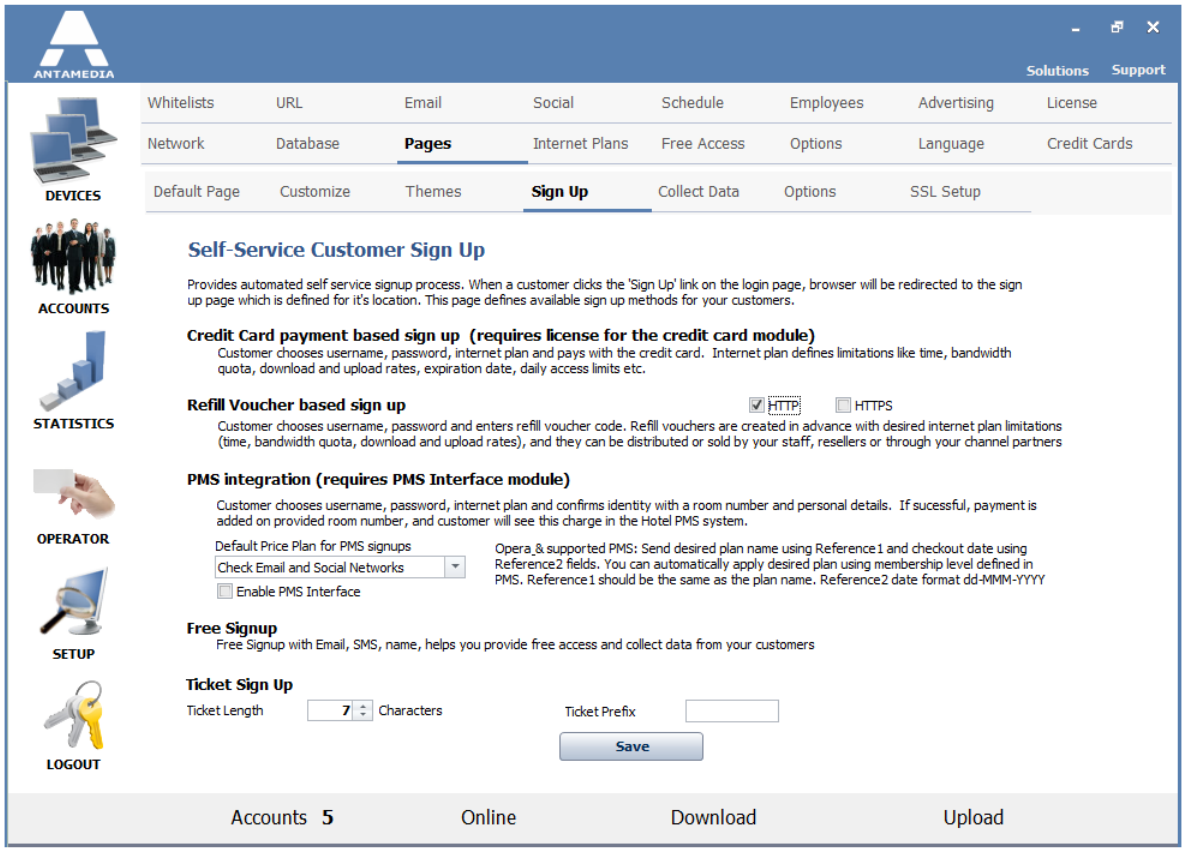
Credit Card payment based sign up (requires license for the credit card module)
Customer chooses username, password, price plan and pays with the credit card. Price plan defines limitations like time, bandwidth quota, download and upload rates, expiration date, daily access limits etc.

Refill Voucher based sign up
Customer chooses username, password and enters refill voucher code. Refill vouchers are created in advance with desired price plan limitations (time, bandwidth quota, download and upload rates), and they can be distributed or sold by your staff, resellers or through your channel partners. it may be done using **HTTP** or **HTTPS** based page.

PMS integration (requires PMS Interface module)
Customer chooses username, password, price plan and confirms identity with a room number and personal details. If successful, payment is added on provided room number, and customer will see this charge in the Hotel PMS system. In addition you can set **Default Price Plan for PMS signups**
Select to **Enable PMS Interface** in general or to **Use Opera membership status to apply complimentary default plan**

Free Signup
Free Signup with Email, SMS, name, helps you to provide free access and collect data from your customers

Ticket Sign Up
Specify number of characters used in **Ticket Length** and **Ticket Prefix** used in Free Sign Up

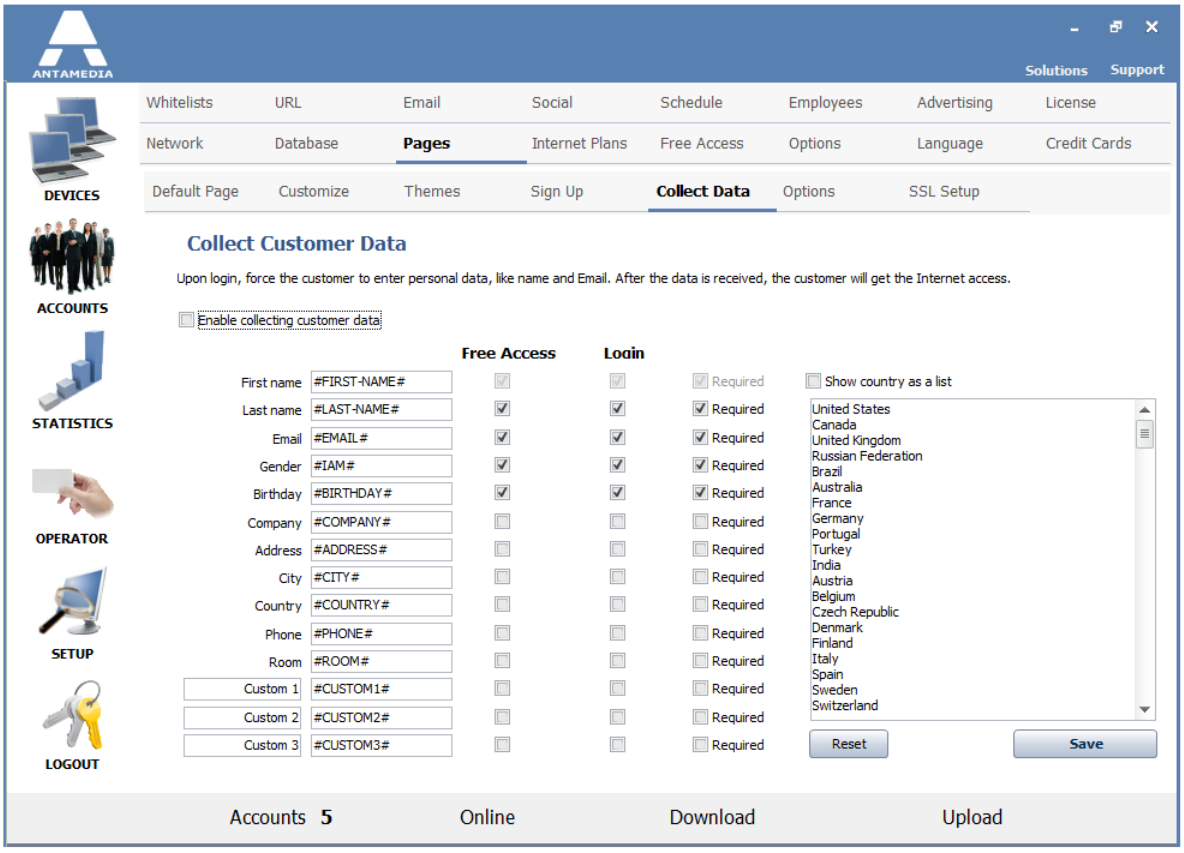

ANTAMEDIA
Solutions
Support
Whitelists
URL
Email
Social
Schedule
Employees
Advertising
License
Network
Database
Pages
Internet Plans
Free Access
Options
Language
Credit Cards
Default Page
Customize
Themes
Sign Up
Collect Data
Options
SSL Setup
DEVICES
ACCOUNTS
STATISTICS
OPERATOR
SETUP
LOGOUT
Self-Service Customer Sign Up
Provides automated self service signup process. When a customer clicks the 'Sign Up' link on the login page, browser will be redirected to the sign up page which is defined for it's location. This page defines available sign up methods for your customers.
Credit Card payment based sign up (requires license for the credit card module)
Customer chooses username, password, internet plan and pays with the credit card. Internet plan defines limitations like time, bandwidth quota, download and upload rates, expiration date, daily access limits etc.
Refill Voucher based sign up
HTTP
HTTPS
Customer chooses username, password and enters refill voucher code. Refill vouchers are created in advance with desired internet plan limitations (time, bandwidth quota, download and upload rates), and they can be distributed or sold by your staff, resellers or through your channel partners
PMS integration (requires PMS Interface module)
Customer chooses username, password, internet plan and confirms identity with a room number and personal details. If sucessful, payment is added on provided room number, and customer will see this charge in the Hotel PMS system.
Default Price Plan for PMS signups
Check Email and Social Networks
Enable PMS Interface
Opera & supported PMS: Send desired plan name using Reference1 and checkout date using Reference2 fields. You can automatically apply desired plan using membership level defined in PMS. Reference1 should be the same as the plan name. Reference2 date format dd-MMM-YYYY
Free Signup
Free Signup with Email, SMS, name, helps you provide free access and collect data from your customers
Ticket Sign Up
Ticket Length
7
Characters
Ticket Prefix
Save
Accounts 5
Online
Download
Upload

19.5 Collecting Customer Details

Antamedia HotSpot has an ability to force a user to enter **personal data** after login. You can do it in order to verify customer identity, in marketing purposes, or just to send expiration reminder message so that a customer can upgrade in time. This option can be used for Free Access or standard Login method.

By default, Hotspot collects first and the last name, E-mail address, gender, birthday, but you can also include address, city, country, phones. There are three custom fields that you can configure based on requirement. It may contain FLIGHT No, ROOM etc.

To activate this feature, please **Enable collecting customer data** option that is located in the HotSpot - Setup - Pages - Collect Data page.



19.6 Welcome Page and Options

Antamedia HotSpot allows you to customize the Welcome page message that appears after customer login. It can be configured to show a warning message, which informs a customer about the account expiration if time and quota are below the limits or the expiration date is close.

Such warning messages are important since a customer will be informed when it is the time to refill account or to make monthly payment. At the same time, the software will prevent a customer frustration which may happen if the account unexpectedly expire. Timely renewals will make your customers come back leading to more profit.

To configure the warning message, please choose the parameters which should be verified on customer login:
Account expires in less than _ days
Time left is less than _ minutes
Quota left is less than _ MB

Please enable the desired options and enter the appropriate values.
The text of welcome and warning messages can be customized by editing language file from the Browser Language 163 page.

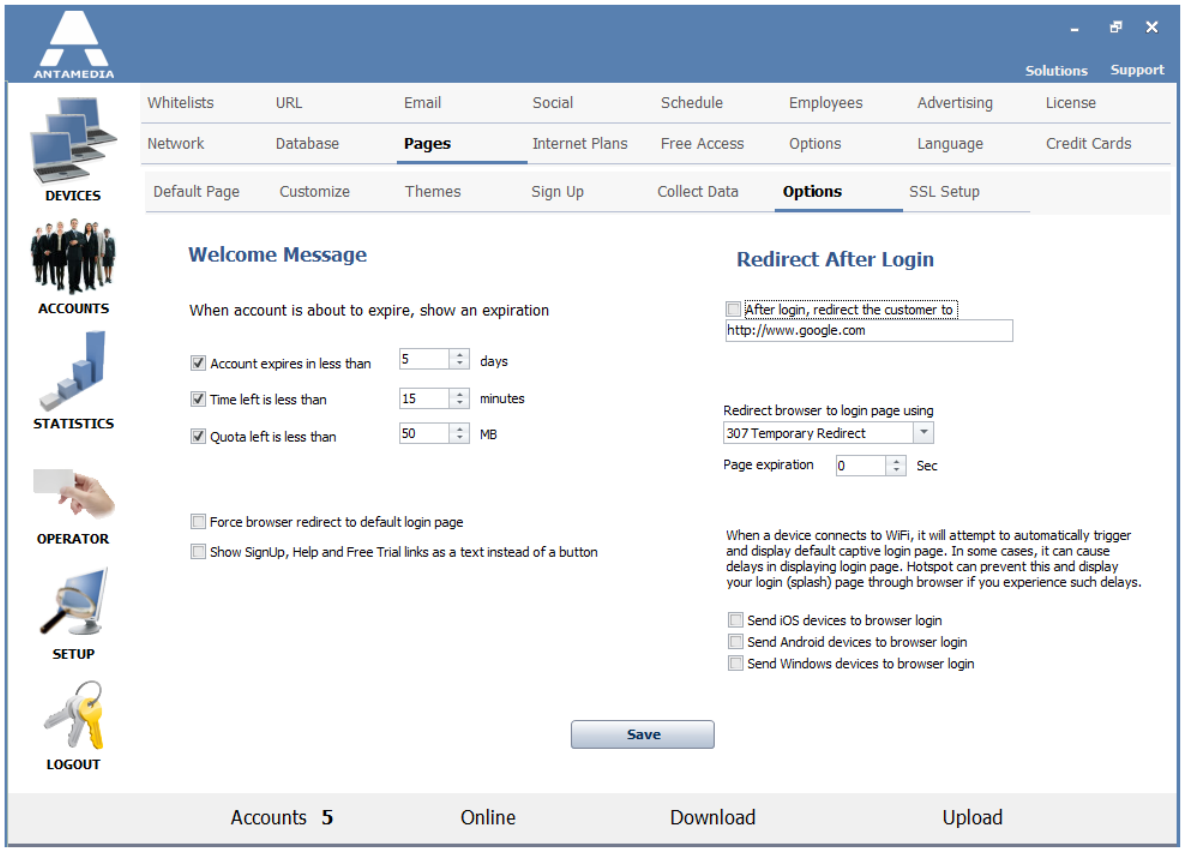
HotSpot can redirect customer after login to a desired web page. For example, you can redirect customer to your main website or to a customer portal. Select option **After Login, redirect the customer to** and enter site address.

Page Options panel give you ability to set couple useful options for communication with iOS, Android and Windows based devices on network and during user access to HotSpot portal page.

As soon device connects to your WiFi, it will trigger and display default captive login page. In some cases it can cause delays in displaying login page. Use of following set of options can prevent this and load your login page without such delays.

Send iOS devices to browser login	Force loading of HotSpot login page in a iOS device browser.
Send Android devices to browser login	Force loading of HotSpot login page in a Android device browser.
Send Windows devices to browser login	Force loading of HotSpot login page in a Windows device browser.

HotSpot autostart delay (allow system to boot on slower machines) __ seconds Set number of seconds for autostart delay. Slower systems require use of this option to avoid issue with faster startup of HotSpot than other required devices and applications on computer.


ANTAMEDIA
Solutions
Support
Whitelists
URL
Email
Social
Schedule
Employees
Advertising
License
Network
Database
Pages
Internet Plans
Free Access
Options
Language
Credit Cards
Default Page
Customize
Themes
Sign Up
Collect Data
Options
SSL Setup
DEVICES
ACCOUNTS
STATISTICS
OPERATOR
SETUP
LOGOUT
Welcome Message
When account is about to expire, show an expiration
Account expires in less than
5
days
Time left is less than
15
minutes
Quota left is less than
50
MB
Force browser redirect to default login page
Show SignUp, Help and Free Trial links as a text instead of a button
Redirect After Login
After login, redirect the customer to
http://www.google.com
Redirect browser to login page using
307 Temporary Redirect
Page expiration
0
Sec
When a device connects to WiFi, it will attempt to automatically trigger and display default captive login page. In some cases, it can cause delays in displaying login page. Hotspot can prevent this and display your login (splash) page through browser if you experience such delays.
Send iOS devices to browser login
Send Android devices to browser login
Send Windows devices to browser login
Save
Accounts 5
Online
Download
Upload

19.7 SSL Certificate

SSL Certificate is used to encrypt communication between HotSpot Web Server and customer Internet browser. Secure connection can be used:
- to switch to secure login. Instead of standard http:// based login page, customer can go to https://yourIPorDomain/login and authenticate through secure connection
- when customer is about to pay with credit card, to keep the data safe
- to change account password

To configure SSL certificate, you need to specify correct location of Certification File, Private Key File and CAcert Root Certificate file.

HotSpot comes with default SSL certificate produced for IP 192.168.0.1. Although this is included free of charge, it creates a warning messages in browser and might drive away customers. If you want to create your own certificate file, please follow instructions bellow:

It is assumed that OpenSSL is installed on your system. It is also assumed that you have registered a domain name for your hotspot and that its DNS has been configured to point to the IP address of your hotspot server.

To begin the process, a Certificate Signing Requests (CSR) must be sent to a Certificate Authority (CA) to be signed. Once signed, a certificate will be returned to you. Be sure to check with the CA in question for any instructions not covered here. This process has been successfully tested on Windows XP using a FreeSSL 1 month test certificate provided by RapidSSL.com. The procedure is the same for RapidSSL's commercial products and should be very similar with other CAs.

1. Generate a private RSA key
Run OpenSSL and at the command line prompt, enter:
OpenSSL> genrsa -out host.key 1024
A file named host.key file will be generated in the same directory as the 'OpenSSL' command line program. Keep this file safe! Without it, your certificate can't work and you'll have to order a new one. This file is your private RSA host key and should not be sent anywhere.

2. Generate a CSR
OpenSSL> req -new -nodes -key host.key -out host.csr
Enter the requested information when prompted. Be sure to use the correct 2 digit country code. When prompted for the x509 Common Name attribute, enter the fully qualified hostname (domain name) the certificate will be used with. Please note, this MUST be the exact domain name being used for the hotspot server. ie. the domain should resolve to the IP address of your hotspot server.
Common Name (eg, YOUR name) []:www.yourhotspot.com
where www.yourhotspot.com is the domain name of your hotspot. The e-mail address you provide will likely be used by the CA to deliver your certificate. Leave any subsequent attributes blank, unless the CA requests something be set in them. Upon completion of this step, a file named host.csr will be created in the same directory.

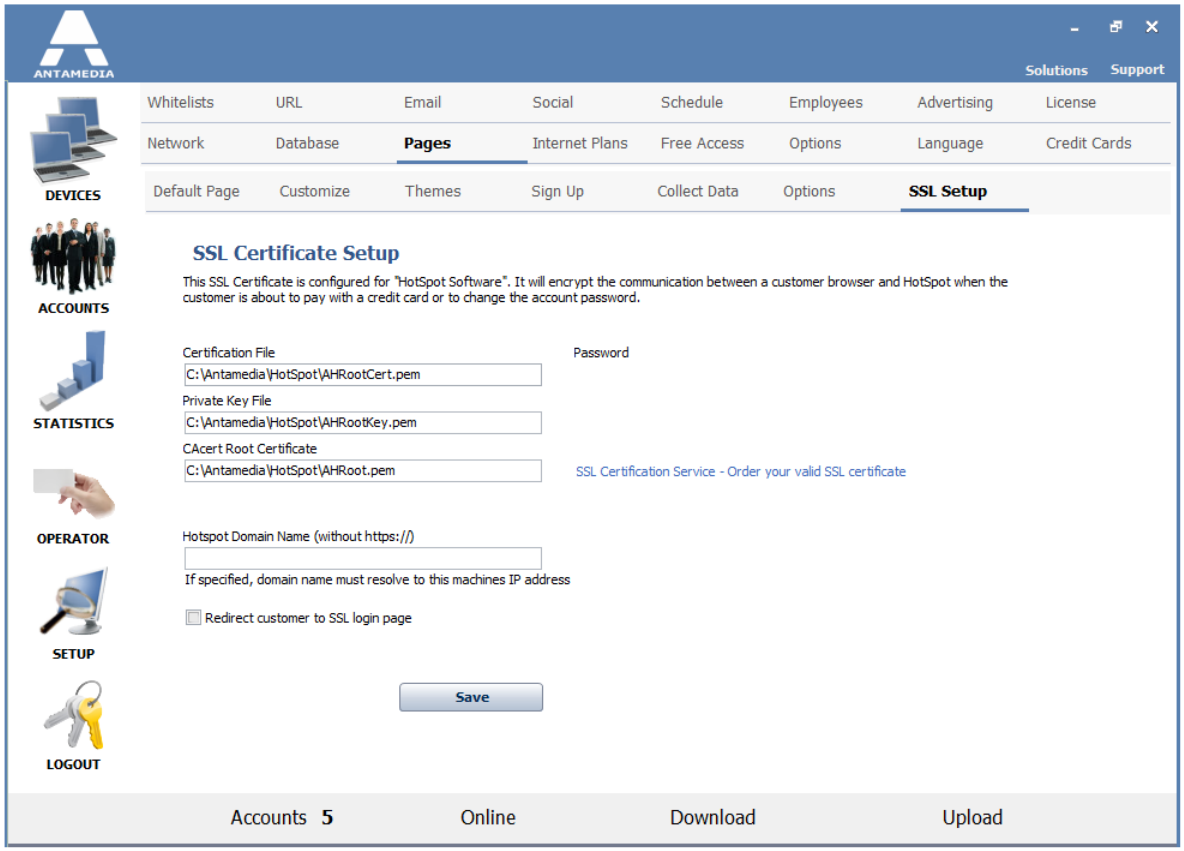
3. Deliver the CSR data to the CA
The contents of the host.csr file must be submitted to the CA, though the method will vary. The procedure with RapidSSL is to copy/paste the contents of the host.csr file into their web order form. It is then up to the CA to return the certificate data. Most CAs will require some form of authentication. RapidSSL uses an automated phone system which calls and prompts you to enter the digits on your computer screen. You must also confirm you have admin access to your domain name. Other CAs may have further requirements.

4. Setup Files for use with Antamedia Hotspot
Once the certificate has arrived from the CA (usually via email) you must copy/paste the certificate into a text file. Name the text file AHRootCert.pem. Rename the host.key file that was generated at the beginning to AHRootKey.pem. Finally,

obtain the Root Certificate file which should be provided as a download from your CA. Click here to obtain the FreeSSL Root Certificate (Base-64 encoded X.509) from RapidSSL. Rename the downloaded Root Certificate file to AHRoot.pem. Now place all three files (AHRootCert.pem, AHRootKey.pem, AHRoot.pem) at the root level of the Hotspot installation folder (replacing the existing files). Launch Hotspot and login as administrator. Go to SETUP->Pages->SSL Setup and enter the domain name of your hotspot server (omit the https:// and enter just the domain). Please note, this must be the exact domain name used on the certificate and must resolve to the IP address of the hotspot server. Save, connect to the hotspot and test the certificate.

However, if you want a fully working SSL certificate which doesn't create any browser warnings, we recommend ordering your own certificate from SSL Certification Service www.hotspotssl.net
You will get correct files so you can skip a bit complicated process. Such certificate allows you to show your domain in customer browser instead of HotSpot IP address. For example, instead of http://192.168.0.1/info customer will see http://www.myhotspotname.com/info

Please note that Antamedia doesn't collect any fees from this service, and we recommend it as a money worth alternative to the manual certification process.

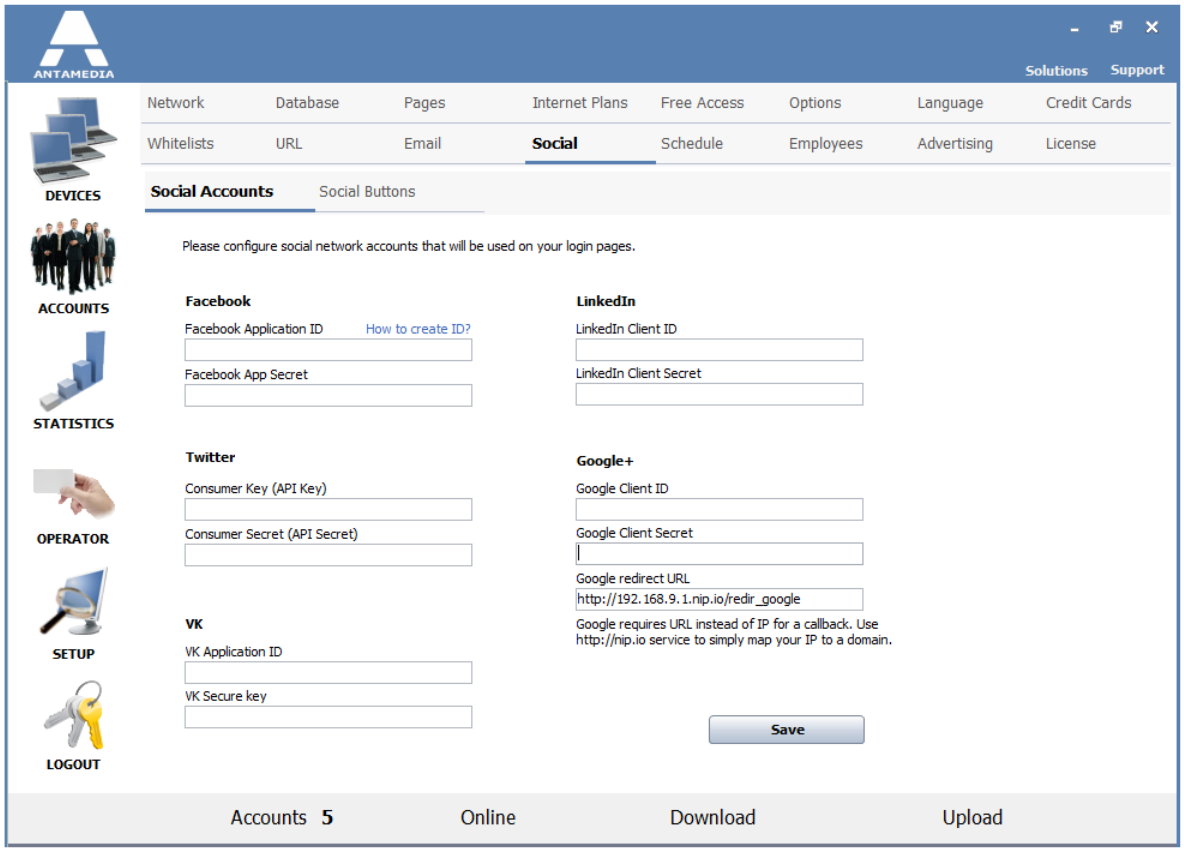


20 Social Networks

20.1 Social Accounts

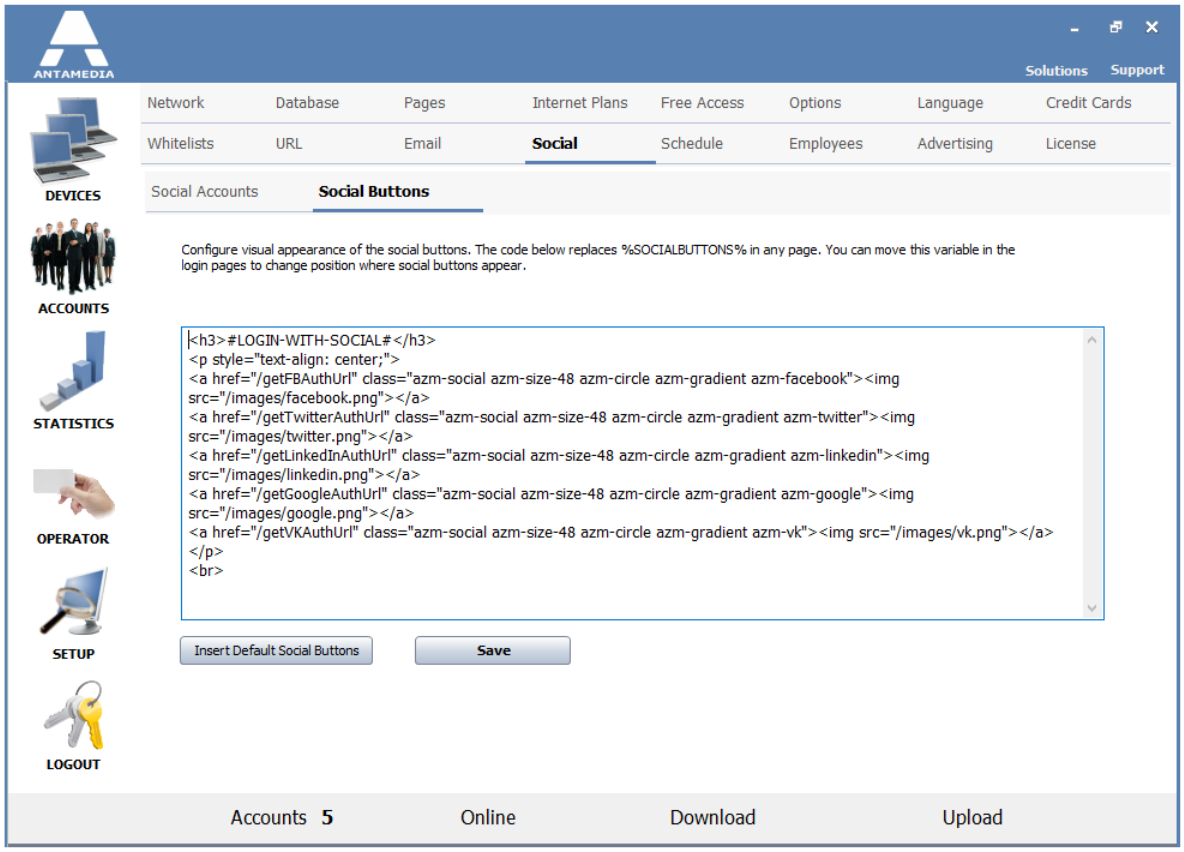
For those busy people, login with social account is sometimes the best and the fastest choice to get WiFi. Our software can be configured to accept login from several social networks. Since users are usually logged in on their mobile devices, the only thing they need to do is to click the button of a preferred social network, and confirm login to WiFi.

Supported networks are Facebook, LinkedIn Twitter, VK and Google+. To configure , please enter required information like API key and click Save.



20.2 Social Buttons

From HotSpot - Setup - Social - Social Buttons press on **Insert Default Social Buttons** to add all social media buttons. If you don't use some of them and want to remove it from HotSpot pages, simple remove it from list and press on **Save** button.



20.3 FaceBook API

Login on your FB account and go to Facebook for developers section

Press on **+ Add a New App**
Set **Display Name** and in **Category** select **Communication** then click on **Create App ID**
After **Security Check** you will be redirected to **+ Add Product** section
From list find **Facebook Login** and click on **Get Started**
In **Client OAuth Settings** set **Embedded Browser OAuth Login** to **Yes**
in **Valid OAuth redirect URIs** type http://127.0.0.1/redir_fb and http://GatewayLanIP/redir_fb (for example http://192.168.9.1/redir_fb)
click on **Save Changes**

From **Settings** panel enter details for **App domains** your website without htttp://www. and set unique **Namespace** which must have 6 letters minimum
In **Privacy Policy URL** type http://www.antamedia.com/privacy/
Click on **Save Changes**
Go to **App Review** section and set your application to be **Live** and available to the public
At **Dashboard** section is available **App ID** and **App Secret** which you will enter in the HotSpot.

20.4 Twitter API

Login on your Twitter account and go to Twitter Application Management

Press on **Create New App**
Set basic details:
Name, **Description**, **Website** http://GatewayLanIP (for example http://192.168.9.1) and **Callback URL** http://GatewayLanIP/redir_twitter (for example http://192.168.9.1/redir_twitter)
Accept Developer Agreement and press on **Create your Twitter application**
Go to **Settings** panel
In **Privacy Policy URL** and **Terms of Service URL** add http://GatewayLanIP/privacy (for example http://192.168.9.1/privacy)
add **Organization name** and **Organization website** and press on **Update Settings**
Go to **Permissions** panel and select option "**Request email adresses from users**" and press on **Update Settings**
From **Keys and Access Tokens** section and find your **Consumer Key** and **Consumer Secret** which you will enter in the HotSpot.

20.5 VK API

Login on your VK account and go to VK Developers section

Press on **Create an Application**
It is necessary to set your site (URL address in format **http://example.com**) and domainn (**example.com**)
It is required to complete authorization of application with sending free SMS to your phone.
Application will be created after confirmation is finished.
Go to **Settings** and confirm that your application is set as **Visible to all**
In **base domain** add http://127.0.0.1 and http://GatewayLanIP (for example http://192.168.9.1)
In **authorized redirect URL** add http://127.0.0.1/redir_vk and http://GatewayLanIP/redir_vk (for example http://192.168.9.1/redir_vk) and press on Save
Go to **Settings** page and see **Application ID** and **Secure key** which you will enter in the HotSpot.

20.6 LinkedIn API

Login on your LinkedIn account and go to LinkedIn Developers section

Press on **Create Application**
Set **Company Name**, **Name** for your application, short **Description**, **Application Logo**
From **Application Use** select **Communications**
In **Website URL** field add your site URL address (for example http://YourSite.com)
Set **Business Email**, **Business Phone** and select option **I have read and agree to the LinkedIn API Terms of Use**.
Click on **Submit** to create application.
Be sure that **r_basicprofile** and **r_emailadress** is selected and click on **Update**
Go to **OAuth 2.0**
type http://127.0.0.1/redir_linkedin click on **Add**
then type http://GatewayLanIP/redir_linkedin (for example http://192.168.9.1/redir_linkedin) and click on **Add** and **Update**
Go to **Settings** and from **Application Status** select **Live** and click on **Update**
From **Authentication** section is visible **Client ID** and **Client Secret** which you will enter in the HotSpot.

20.7 Google +

Login on your Google + account and go to to Google API manager.

From **Dashboard** panel **Enable API**
In list find **Social APIs** and click on **Google+ API**
Go to **Credentials** panel and from **Create credentials** select **OAuth client ID**
Choose **Web application** as application type and set **Name**
In **Authorized Javascript origins** field enter local host IP http://127.0.0.1, http://GatewayLanIP (for example http://192.168.9.1) and http://antamediadev.com
In **Authorized redirect URLs** field enter http://antamediadev.com/redir_google, http://127.0.0.1/redir_google and http://GatewayLanIP.nip.io/redir_google (for example http://192.168.9.1.nip.io/redir_google)
Press on **Create** button.
In new window you will see **Client ID** and **Client Secret** which you will enter in the HotSpot.

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21 E-mail Notifications

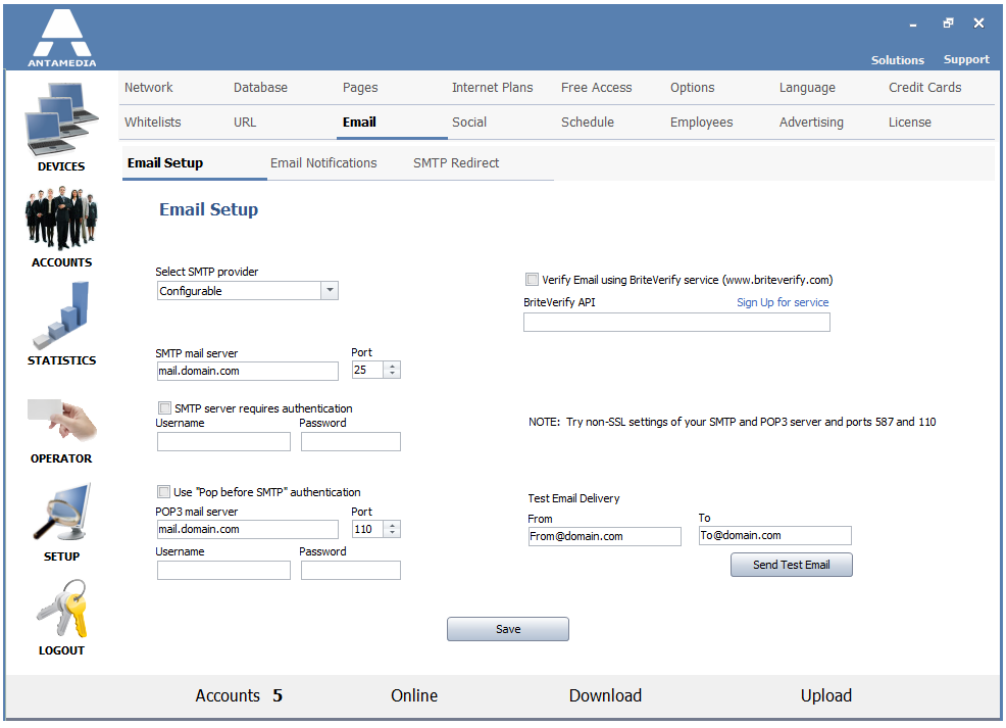
21.1 Email Setup

Email notification option is used to send Email messages to the customers to remind them about account expiration, to send payment receipt or a newsletter, and other purposes. Before you can start sending messages, please define mail server settings.

Enable Email notification to activate the option.
From **Select SMTP provider** you can select SendGrid or Configurable.
If you choose **SendGrid**, enter your SendGrid Username and Password.
If you choose **Configurable** use your ISP SMTP, specify mail server and port required for communication. If your SMTP server requires authentication, please enable **SMTP server require authentication** option and type the username and password. Some SMTP servers might also require **POP before SMTP** authentication. In this case you need to specify POP3 mail server, the used port (default 110) and the account username and the password.

I you require Email verification, you can set and configure it using BriteVerify service.
Sign Up for their service, select option **Verify Email using BriteVerify service** and enter **BriteVerify API**.

To test Email delivery, please enter Emails in **from** and **to** fields and click **Send Test Email** button. If you get a test Email, everything is properly configured. When you finish, please click **Save** button.



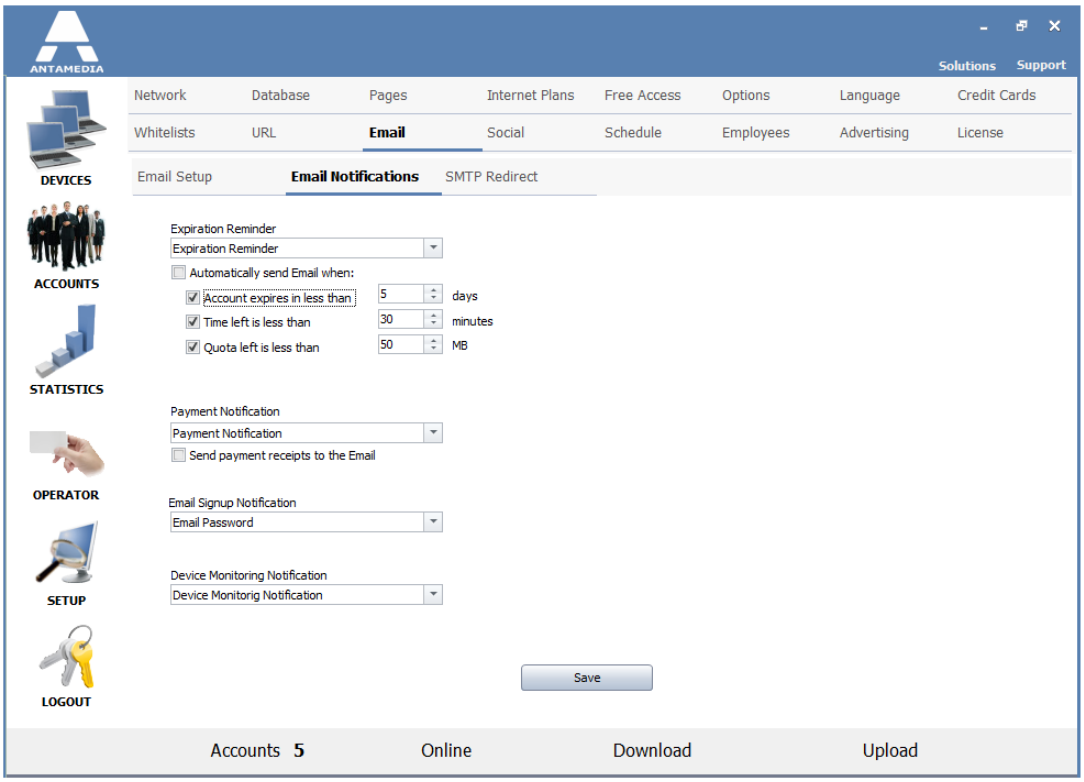
21.2 Notifications

To keep your customers informed about their account expiration, you can **Automatically send Email** and remind your customer that it is a time to refill the account. Email notification can be sent to the customer when the following conditions are met:

Account expires in less than _ days	Example: if you set 5 days and account expires at June 25th, Email notification will be sent to the customer at June 20th.
Time left is less than _ minutes	Example: if you set 30 minutes, Email notification will be sent to the customer 29 minutes before the account expire
Quota left is less than _ MB	Example: If you set 50 MB, Email notification will be sent to the customer when bandwidth quota is 49 MB

These values are checked only on account login.
Email template specifies which message template will be used to prepare Email for the customer.

When customer make payment for your services using a credit card, receipt can be sent automatically to an Email address provided by your customer. If you like to use this option, please enable **Send payment receipts on Email** and in **Email templates** field choose a template that will be sent to the customers Email.



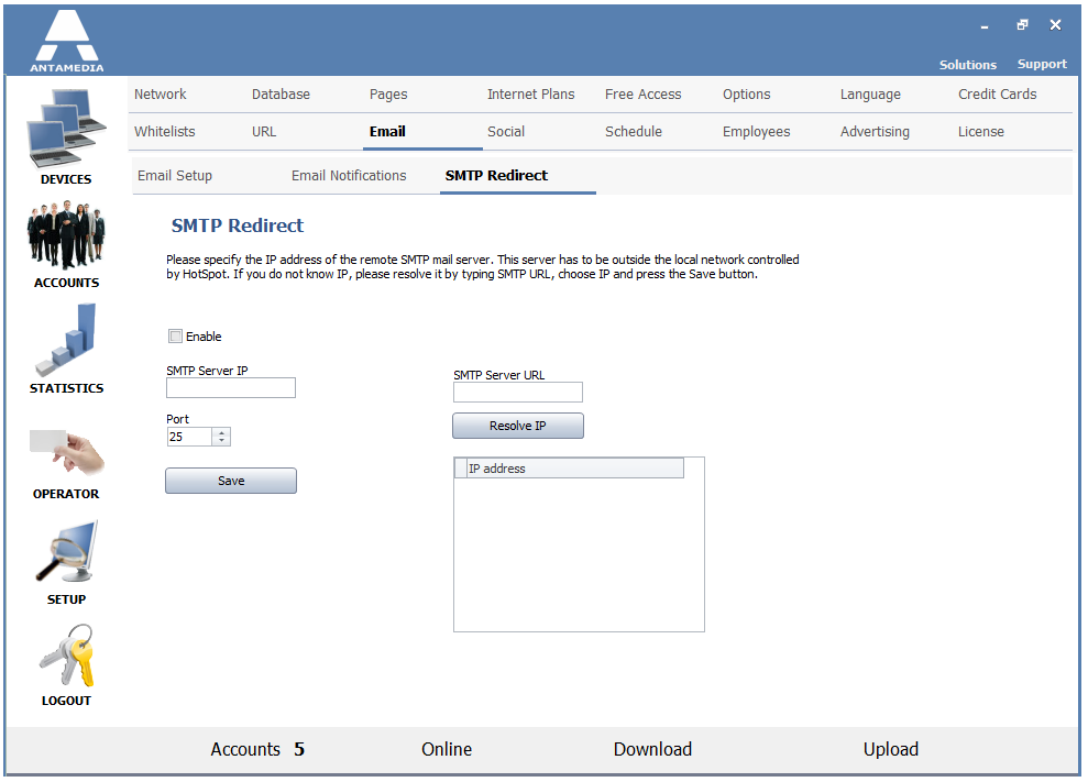
21.3 SMTP Redirect

Internet service providers sometimes blocks SMTP port (25) in order to stop abuse. If you are using such Internet service provider, your customers will not be able to send Email when their Email configuration uses that port.

SMTP Roaming feature helps you to overcome this problem by redirecting all Email traffic to other SMTP server running on different port. The entire process is transparent for the customer and no changes are required in customer Email settings.

For example, a customer uses mail.companydomain.com on default port 25 when working from the company office. When a customer connects to your HotSpot where ISP blocks port 25, it will not be possible to send an Email although all the settings are the same in customer Email client software (Outlook, The Bat ...).
The solution is to redirect all traffic for the port 25 to a different SMTP server and port. Although a customer does not see any changes and may think that Email was been sent through the company server, an Email will be sent through your SMTP server.

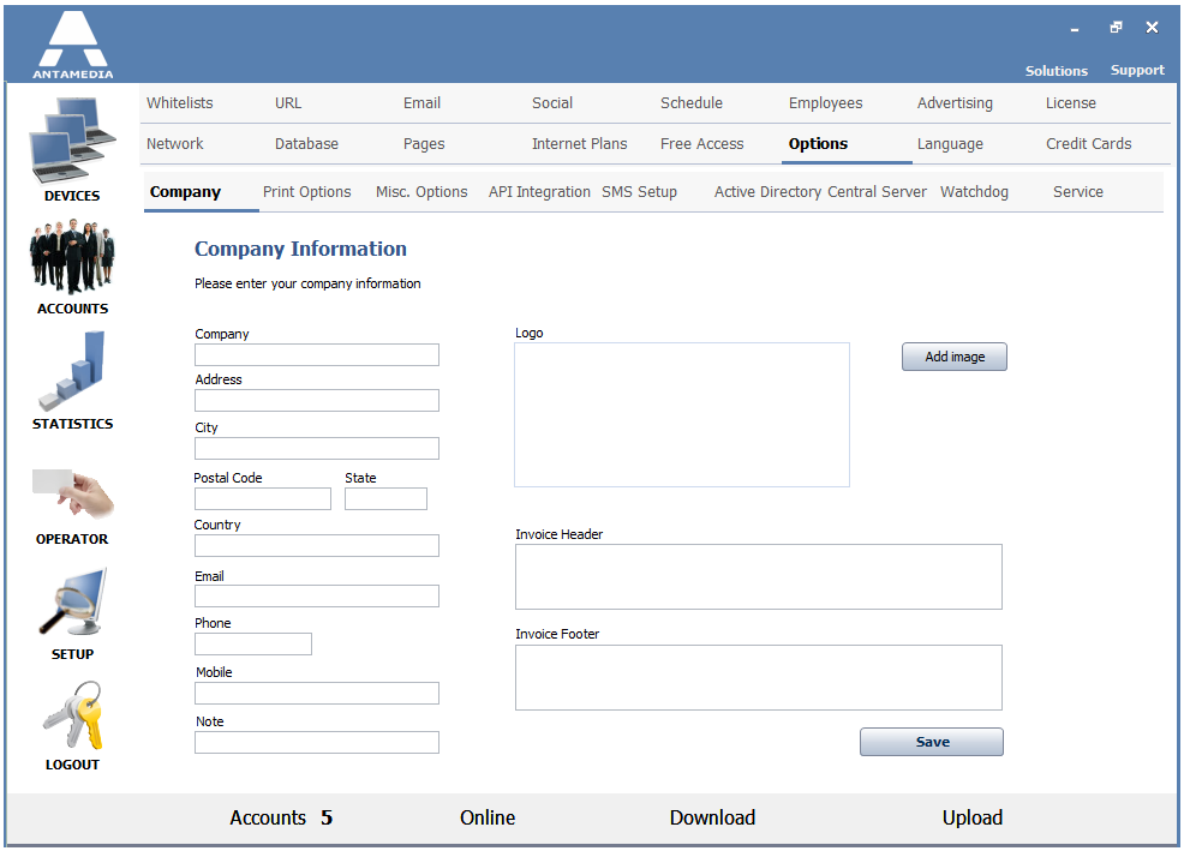
To activate SMTP roaming, please **Enable** it and type **SMTP Server IP** and **Port** where to redirect Emails. If you do not know IP address, please type **SMTP Server URL** address and press **Resolve IP** button. You can click on the correct IP address to transfer it to SMTP Server IP field. When you finish, please press **Save** button.



22 Options

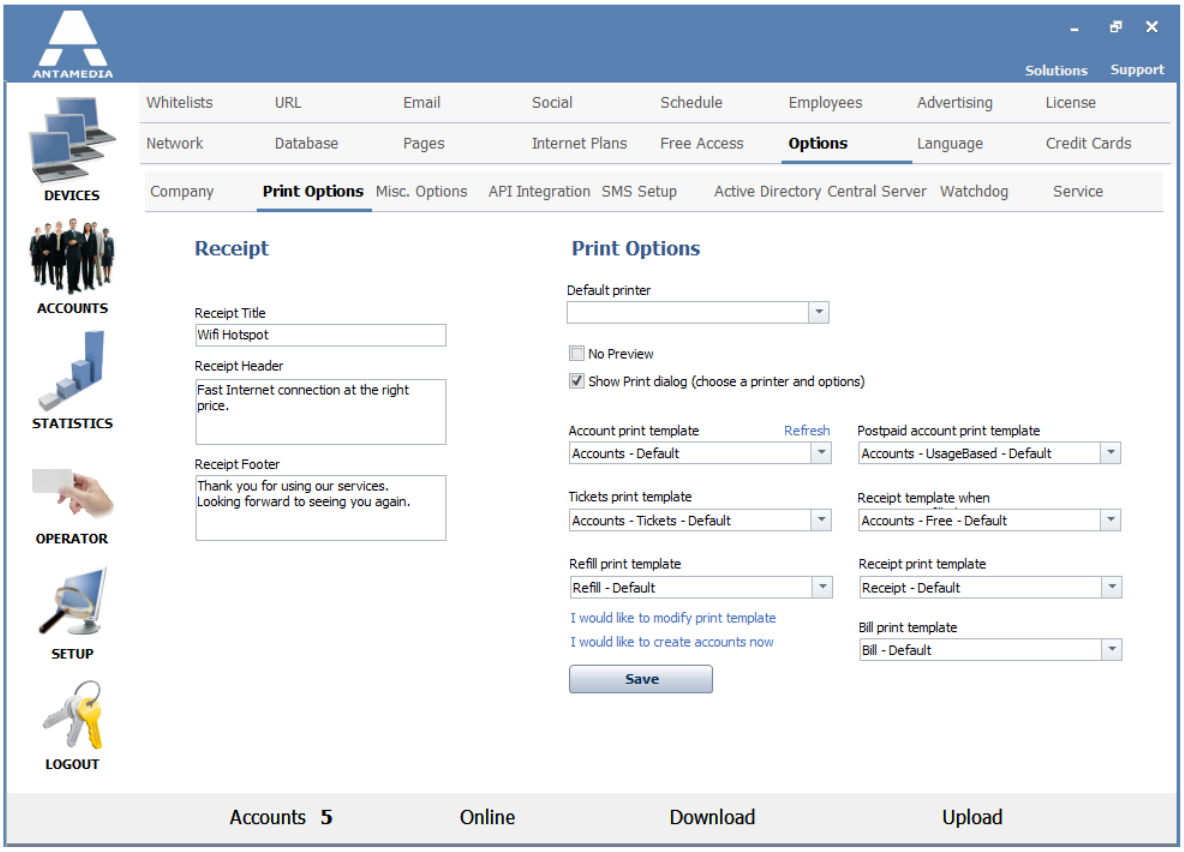
22.1 Company Info

Please go to HotSpot - Setup - Options - Company page to specify various details about your company, such as company name, address, email, logo image etc. These details will appear on invoices you send to postpaid customers. There you can also define header and footer text for these invoices.



22.2 Receipt Printing

Please configure print templates in HotSpot - Setup - Options - Print options page.



If you do not want to see a preview before printing, which is suitable once you configure print templates, please select **No Preview.**

To print directly to the default printer, without showing print dialog, please disable **Show Print dialog** option.

Antamedia HotSpot offers different templates for account, refill and receipt printing.

From the same place you can modify receipt title, header and footer text
Depending on receipt template, this text will appear on printed receipt which you give out to the customer.

22.3 Miscellaneous Options

Display small laptop icons	Defines the size of laptop icons in the main server screen
Allow login for unsold accounts	All the accounts will be able to login even if an operator have not sold them
Allow relogin if IP address changes	Allow a customer to login again if the account is already in use. The previous session will be logged out and a customer asked to login again (it can help when the connection is not stable and a customer is trying to connect while getting different IP addresses)
Log all login errors	Store all HotSpot messages (information, warnings etc) in a log file
Improve performance by minimizing HotSpot	Minimize HotSpot software after the specified time period of inactivity to get better performance. This feature is enabled by default and we recommend leaving it enabled
Force the customer relogin to prevent excessive and unattended download	HotSpot will stop Internet service for customer after specified time interval and force her to login again. This feature can be used to prevent downloading of large files and excessive bandwidth usage.
Disable Skin	Skinned interface can be disabled in some parts of software in order to improve performance and response time.
Update time, quota and transfer rates on Computers screen	HotSpot performance is slightly improved by configuring higher value in this field. Default value i 1 second.
Optimize memory usage every	Select time interval after which memory usage will be optimized
Deduct Outbound traffic from Quota	Choose whether Hotspot will count both download and upload when deducting quota from user account
Reload active sessions on Hotspot restart	If this option is enabled, Hotspot restart will not interrupt user session with new login request
Restart Hotspot if error occurs	Hotspot will restart itself in case of unexpected error, so it can continue normal operation
Pause inactivity count down timer when user traffic is detected	This option will pause inactivity countdown without resetting it to default number of seconds
Show country filter in the UsageLog statistics	Beside other informations, Country will be also available in Logs
Show free Internet plans on Operator view	
Clear MAC address on logout	MAC address will be cleared from account properties in HotSpot when user loggs out.
Reset account password on logout	Set new random password for user's account on each logout
Log Browser's User Agent for debug purposes	Type and language of customer's browser is logged each time she logs in to HotSpot. This data can be analyzed on HotSpot - Statistics - Log page.

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Discard DB Connection Messages	Select this option to discard warring messages related to DB connecting to HotSpot
Enable Customer Portal	Set this option to allow Customer Portal from Welcome page
Show accounts from	Show the accounts from other Antamedia software (Internet Cafe software, HotSpot, Bandwidth Manager)
Time display format	Choose format which is used to display time HH:MM (2:35), Hh:Mm (2h 35m), Hh:Mmin (2h 35min), M m (155m), M min (155 min)
Quota display format	Choose quota format between bytes, KB, MB, GB, TB, PB, or adaptive which automatically displays the correct format depending on value
Bandwidth display format	Choose the display format of download and upload rate KB (KBytes), Kb (Kbits), MB (MBytes), Mb (Mbits)
Software priority	Select software priority
HotSpot Autostart delay (allow system to boot on slower machines)	With enabling of this option slower computers have enough time to boot properly before software is started

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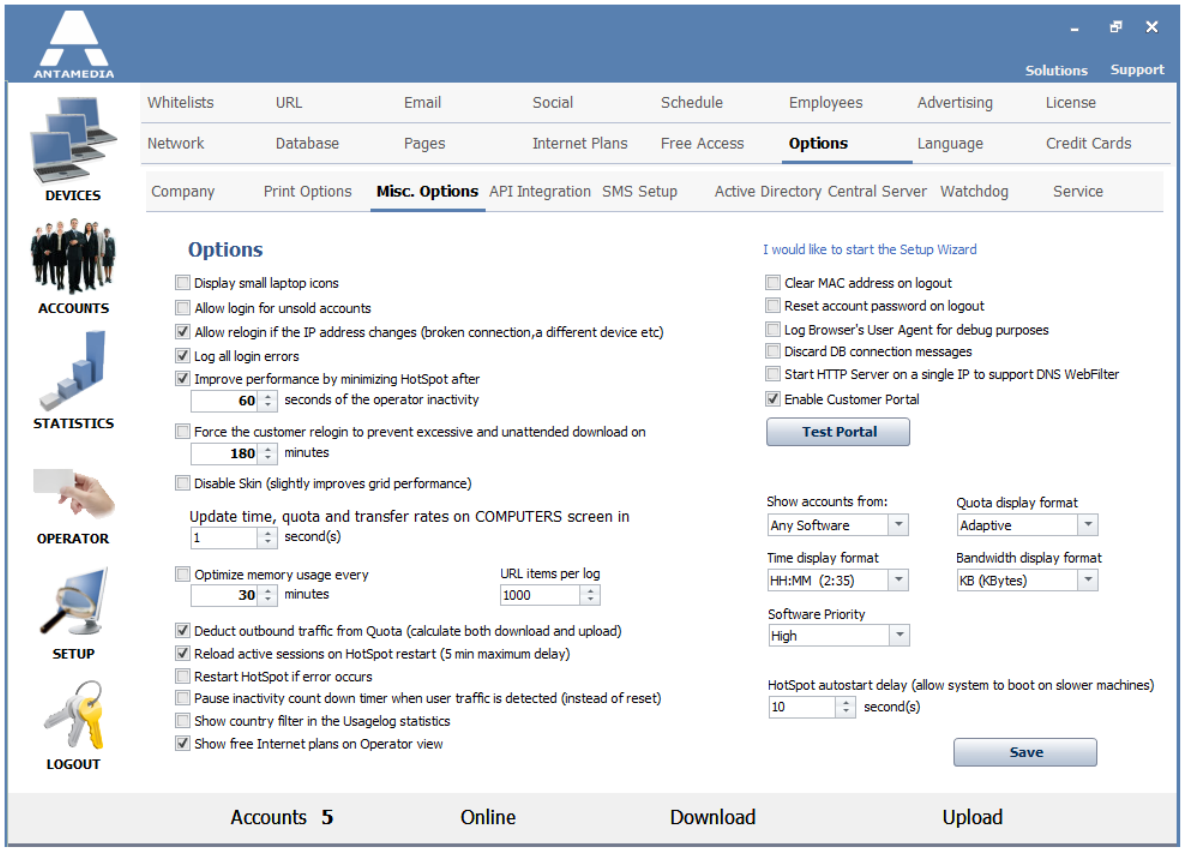
ANTAMEDIA
Solutions
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URL
Email
Social
Schedule
Employees
Advertising
License
Network
Database
Pages
Internet Plans
Free Access
Options
Language
Credit Cards
DEVICES
ACCOUNTS
STATISTICS
OPERATOR
SETUP
LOGOUT
Company
Print Options
Misc. Options
API Integration
SMS Setup
Active Directory
Central Server
Watchdog
Service
Options
I would like to start the Setup Wizard
Display small laptop icons
Allow login for unsold accounts
Allow relogin if the IP address changes (broken connection,a different device etc)
Log all login errors
Improve performance by minimizing HotSpot after
60
seconds of the operator inactivity
Force the customer relogin to prevent excessive and unattended download on
180
minutes
Disable Skin (slightly improves grid performance)
Update time, quota and transfer rates on COMPUTERS screen in
1
second(s)
Optimize memory usage every
30
minutes
URL items per log
1000
Deduct outbound traffic from Quota (calculate both download and upload)
Reload active sessions on HotSpot restart (5 min maximum delay)
Restart HotSpot if error occurs
Pause inactivity count down timer when user traffic is detected (instead of reset)
Show country filter in the Usagelog statistics
Show free Internet plans on Operator view
Clear MAC address on logout
Reset account password on logout
Log Browser's User Agent for debug purposes
Discard DB connection messages
Start HTTP Server on a single IP to support DNS WebFilter
Enable Customer Portal
Test Portal
Show accounts from:
Any Software
Quota display format
Adaptive
Time display format
HH:MM (2:35)
Bandwidth display format
KB (KBytes)
Software Priority
High
HotSpot autostart delay (allow system to boot on slower machines)
10
second(s)
Save
Accounts 5
Online
Download
Upload

22.4 API Integration

Antamedia HotSpot can be easily integrated with the third-party software. This feature is located in HotSpot - Setup - Options - API Integration page.
Integration is done using **HTTP GET** query and **XML response** which offer very short integration time.

To put it simply, it works this way:
1. Your software should send a formatted query similar to URL you type in browser to see certain web page
2. Our software gets this query, parse it and execute the actions (example: generate accounts)
3. Our software generate XML response with details (example: account details) and return it to your software
4. Your software parse XML and process the data (example: use account details to print receipt)

To activate this feature please **Enable Integration,** specify **port** (82 by default), and **Secret PassPhrase.** Purpose of the PassPhrase is to protect from unauthorized usage while allowing you to use integration commands from different IP addresses. For example, multiple instances of your program can communicate with HotSpot and generate accounts. For the purpose of this manual, we will take 192.168.0.1 as HotSpot IP address, port 82 and PASS as PassPhrase. These are integration examples:

http://192.168.0.1/generateaccounts?number=5&priceplan=1&pass=PASS
This command will generate 5 accounts and assign price plan 1 to those accounts. You can put a button in your software and send such command after user click on it. XML response contains all account data, like username, password, time, quota, expiration.

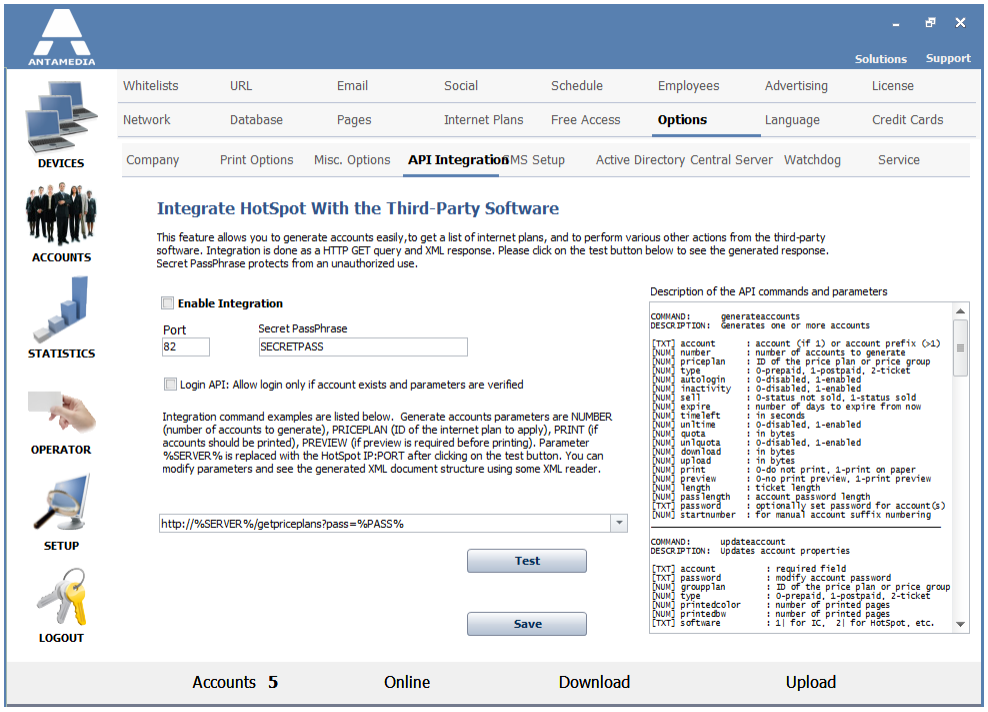
http://192.168.0.1/generateaccounts?number=3&priceplan=2&print=1&preview=0&pass=PASS
This command will generate 3 accounts, assign them price plan 2 and print the accounts in HotSpot software without print preview. If you intend to handle printing from your software, printing is not needed.

http://192.168.0.1/generateaccounts?account=TEST&pass=PASS
This command will generate one account with username TEST. It is suitable in cases when you always generate unique accounts, like personal ID number from ID card. The account will not be generated if such an account already exists.

http://192.168.0.1/getpriceplans?pass=PASS
This command is used to retrieve all price plans from HotSpot software. XML response will contain price plan description, cost, time and quota values, expiration etc. You can use these details to store them in your controls (like Listbox, Combobox) and allow a customer to choose a price plan before you send command to generate the accounts.

http://192.168.0.1/deleteaccount?account=TEST&pass=PASS
This command will delete the account TEST from the HotSpot software.

The time is displayed in seconds, Quota, Download, Upload are in bytes. Other fields with 0 and 1 represent false and true. If you have a specific integration requirements, please contact Antamedia.



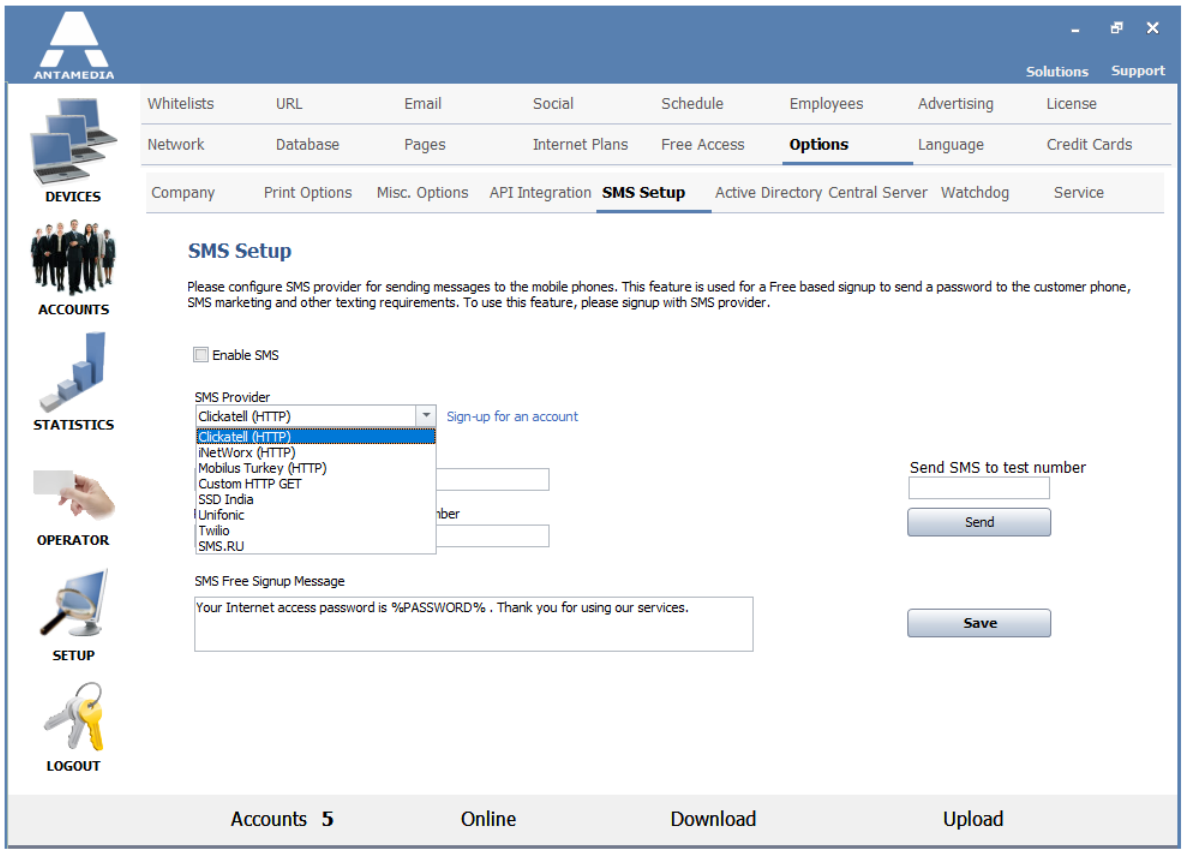
API XML response example for generated accounts looks like:

```
<?xml version="1.0" encoding="UTF-8" ?>
<!DOCTYPE Accounts (View Source for full doctype...)>
<Accounts>
<Account>
<Username>TEST15</Username>
<Password>FD61U</Password>
<TimeUsed>0</TimeUsed>
<TimeLeft>3600</TimeLeft>
<UnlimitedTime>False</UnlimitedTime>
<Quota>0</Quota>
<UnlimitedQuota>True</UnlimitedQuota>
<GroupPlanID>2</GroupPlanID>
<AccessFromTo>False</AccessFromTo>
<AccessID>1</AccessID>
<ExpireIn>1</ExpireIn>
<ExpireAfter>1</ExpireAfter>
<EnableDailyTime>False</EnableDailyTime>
<DailyTime>0</DailyTime>
<EnableDailyQuota>False</EnableDailyQuota>
<DailyQuota>0</DailyQuota>
<EnableDailyLogins />
<DailyLogins />
<Download>131072</Download>
<Upload>65536</Upload>
<GenerateID>15</GenerateID>
</Account>
</Accounts>
```

22.5 SMS Provider Setup

Antamedia Hotspot allows you to send messages to mobile phones. This feature is used for a Free based signup in order to send a password to the customer phone, SMS marketing and other texting requirements. Before this feature can be used, you need to sign up for SMS provider account, Hotspot currently supports **Clickatell, iNetWorx, Mobilus Turkey, SSD India, Unifonic, Twillio, SMS.RU** and **Custom HTTP GET** providers. SMS settings are configured on HotSpot - Setup - Options - SMS Setup page.

To set up SMS messaging, please tick **Enable SMS** box, enter **Username**, **Password, From Number** and **API ID** tied to your account. You can also configure message that users will get after sign up for free account. When you finish, please press **Save** button.



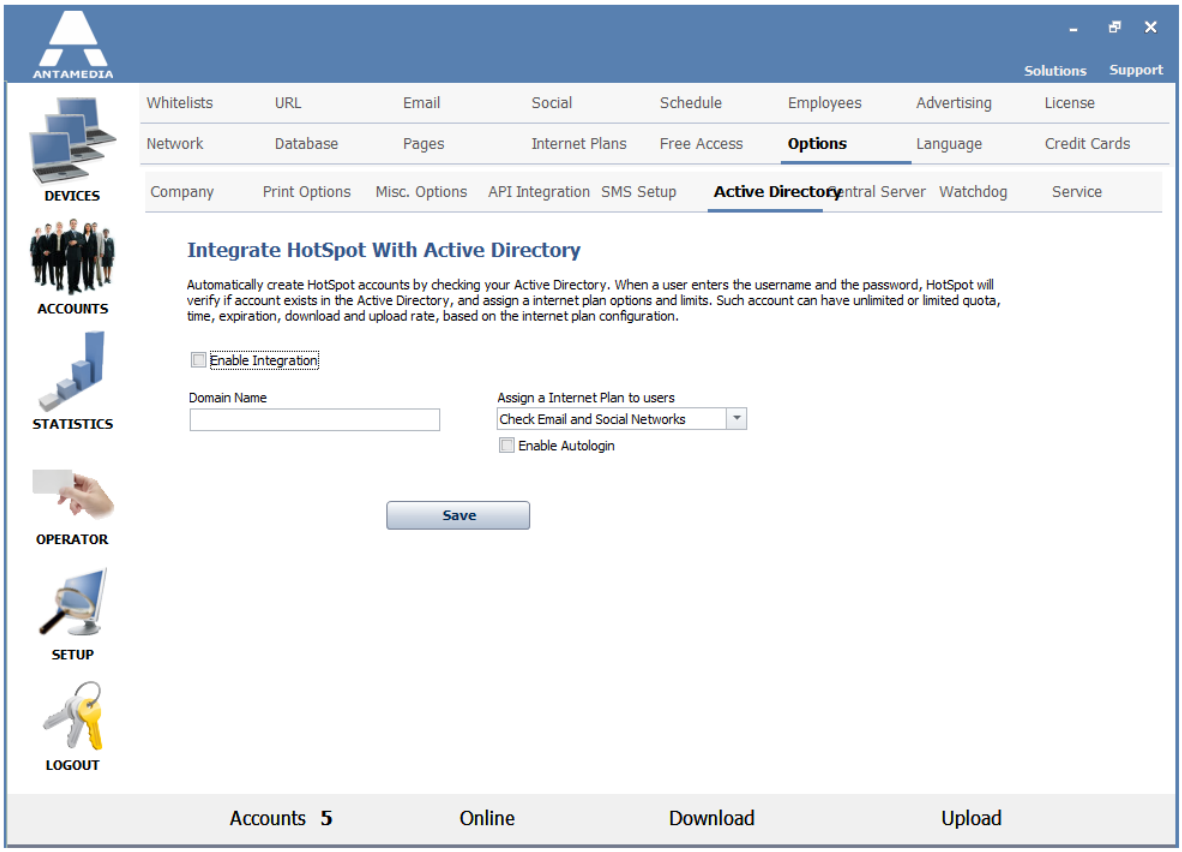
Custom HTTP GET method can be used to integrate new SMS gateways that offers HTTP GET API. Integration is simple,
1. Copy their test example
2. replace number with %NUMBER% and message with %MESSAGE%. These variables will be replaced with a real number to which software will send SMS. %MESSAGE% is replaced with the message specified in above message box.
3. Configure other parameters if needed and test by sending SMS to your phone

http://api.unifonic.com/wrapper/sendSMS.php?userid=test@domain.com&password=123456789&to=**%NUMBER%**&msg=**%MESSAGE%**&encoding=utf-8&sender=TESTNAME

22.6 Active Directory Integration

Active Directory integration helps you automate the account management in your network. When a user enters the username and the password in HotSpot login page, HotSpot will verify if the account already exists in the Active Directory and generate HotSpot account using price plan options and limits you have specified. Such account can have unlimited or limited quota, time, expiration date, download and upload rate, based on the price plan configuration.

This feature is suitable for companies and organizations as it handles the manual work of the administrator and keeps passwords updated with the main AD system. The configuration of the feature is done from HotSpot - Setup - Options - Active Directory page: please type the domain name, select a price plan and optionally enable autologin.
This option currently work only if HotSpot is used on computer were Active Directory is configured.



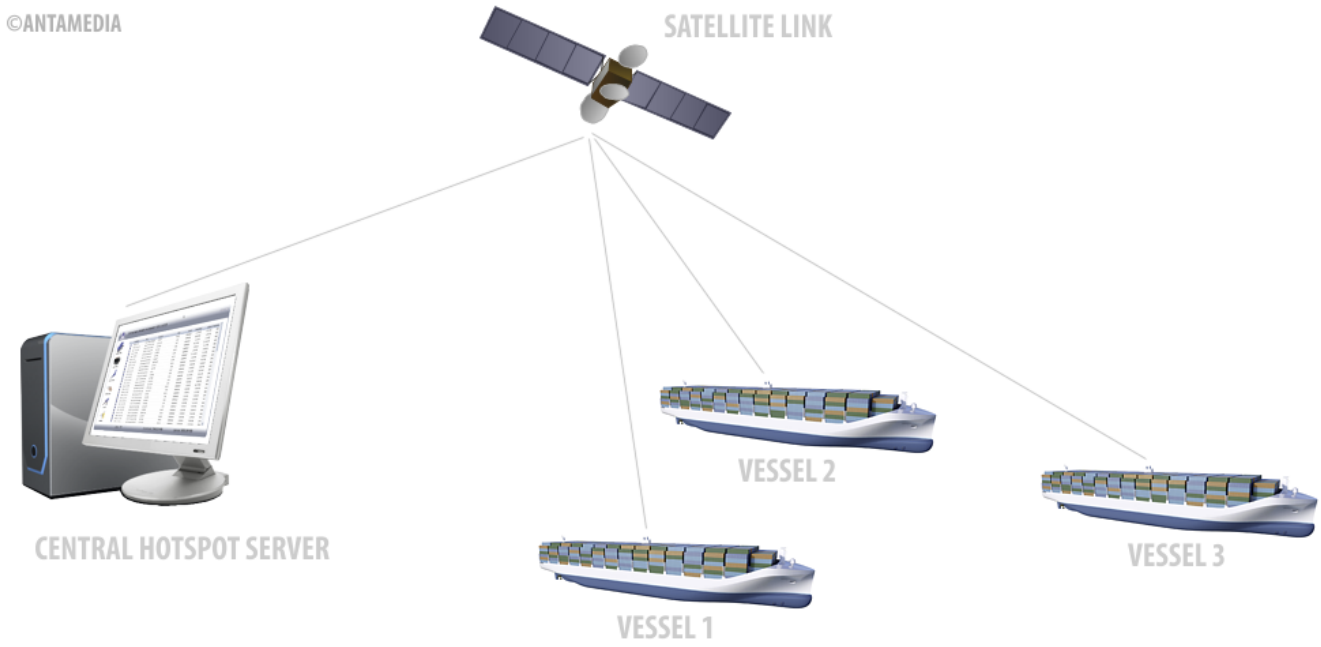
22.7 Central Server

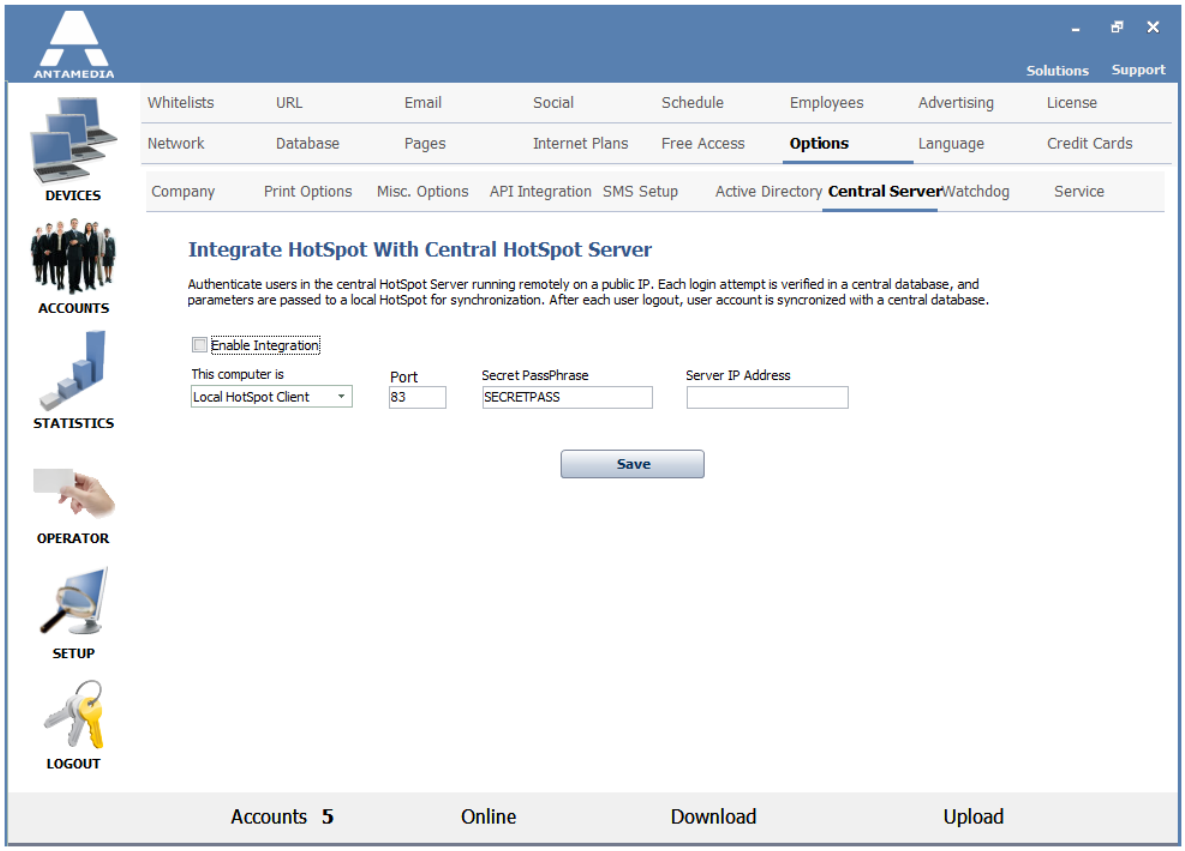
Antamedia HotSpot software is the industry leading HotSpot PC solution that implements centralized WiFi management over high latency systems. It helps controlling user WiFi Internet access on vessels, oil platforms, rural areas where Internet link may have periodic interruptions or high delays. This feature can be used to synchronize accounts between the HotSpot (that runs locally) with Central HotSpot Server Database.

How does it work ?
It authenticates users in the Central Server running remotely on a public IP. Each login attempt is verified in a central database and parameters are passed to a local HotSpot for synchronization. After each user logout, user account is synchronized with a central database. Feature is especially useful for Satellite Internet companies serving ships or remote locations that needs central account management. Administrator can create and manage all accounts on a Central HotSpot Server. Requires Premium edition.

Account options that can be controlled are:

- Bandwidth Quota Management: Limits amount of data available to each customer
- Speed management: Limits download & upload for each user, with adjustable limits per user
- Controls multiple user devices with configurable number of devices for each user
- Controls time available for each user
- Uses Internet plans with configurable limits to create desired limits and apply them during new account creation
- Limits daily or monthly available bandwidth quota. Amounts are reset each day/month

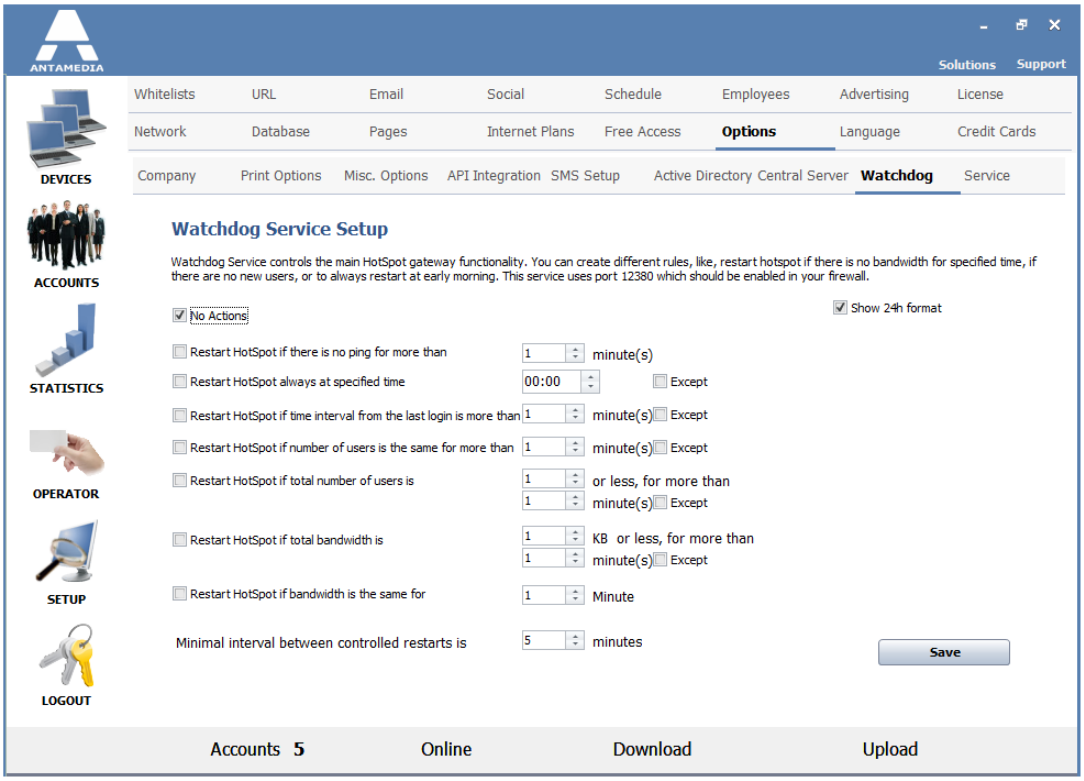



ANTAMEDIA
Solutions
Support
Whitelists
URL
Email
Social
Schedule
Employees
Advertising
License
Network
Database
Pages
Internet Plans
Free Access
Options
Language
Credit Cards
Company
Print Options
Misc. Options
API Integration
SMS Setup
Active Directory
Central Server
Watchdog
Service
DEVICES
ACCOUNTS
STATISTICS
OPERATOR
SETUP
LOGOUT
Integrate HotSpot With Central HotSpot Server
Authenticate users in the central HotSpot Server running remotely on a public IP. Each login attempt is verified in a central database, and parameters are passed to a local HotSpot for synchronization. After each user logout, user account is syncronized with a central database.
Enable Integration
This computer is
Local HotSpot Client
Port
83
Secret PassPhrase
SECRETPASS
Server IP Address
Save
Accounts 5
Online
Download
Upload

22.8 Watchdog Setup

The main purpose of Watchdog is to monitori HotSpot operation and react if a problem occurs (hardware problems, Windows hanging, viruses, hacking attempts etc.). HotSpot is constantly sending pings to Watchdog during normal operation. If there is interruption which lasts longer than predefined time period, Watchdog has the ability to restart HotSpot application.
You can create different rules, like restart Hotspot if there is no bandwidth for specified time, if there are no new users, or to always restart at desired time of the day. This service uses port 12380 which should be enabled in your firewall.
Watchdog behavior is configured from HotSpot - Setup - Options - Watchdog Setup page.

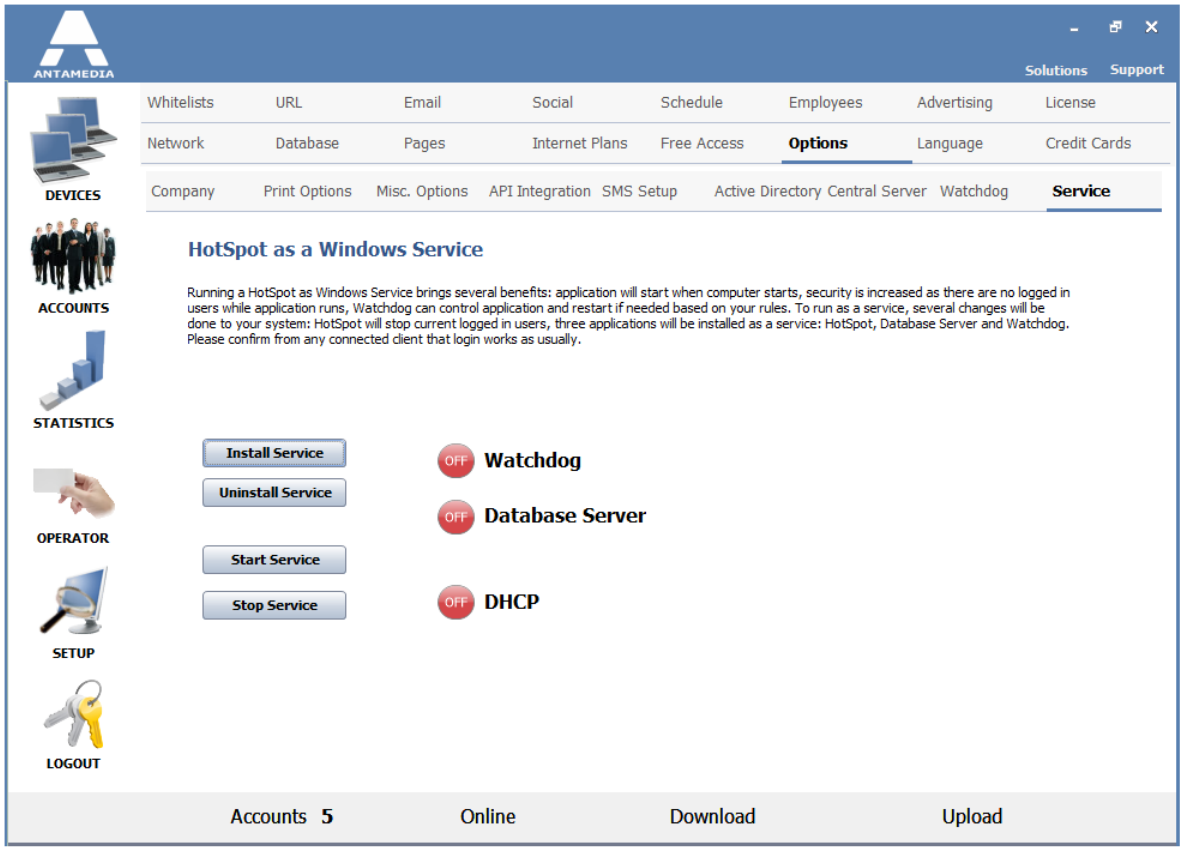
We recommend to configure Watchdog to run as a service and leave Hotspot to run as a normal application. To do this,
1. Run command prompt and go to C:\Antamedia\Hotspot folder
2. Type AWatchdog.exe -install and press enter key
3. Watchdog will be installed as a service and will start
4. Go to HotSpot - Setup - Options - Watchdog Setup page and configure desired options. Then Save and Connect



22.9 Windows Service

Antamedia HotSpot has the ability to run as Windows Service which brings several benefits: application will start when computer starts, security is increased as there are no logged in users while application runs, Watchdog can control application and restart it if needed based on your rules.

To run as a service, several changes will be done to your system: HotSpot will stop current logged in users and three applications will be installed as a service: HotSpot, Database Server and Watchdog. DHCP service will be installed if DHCP server option is enabled on HotSpot - Setup - Network - DHCP - DHCP Settings page. After you install and start Hotspot service, please confirm from any client device that login works as usually. When running as a service, additional HotSpot can be started on the same computer to manage hotspot and close afterward's. HotSpot will continue to work in the background.

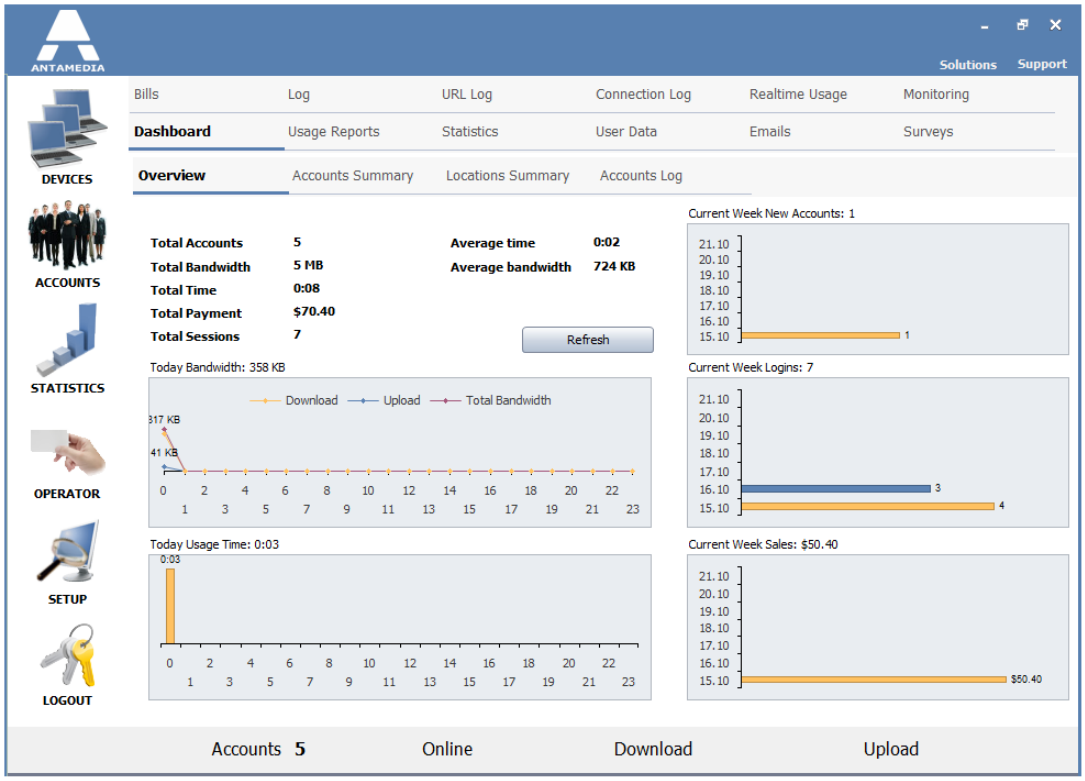


23 Statistics

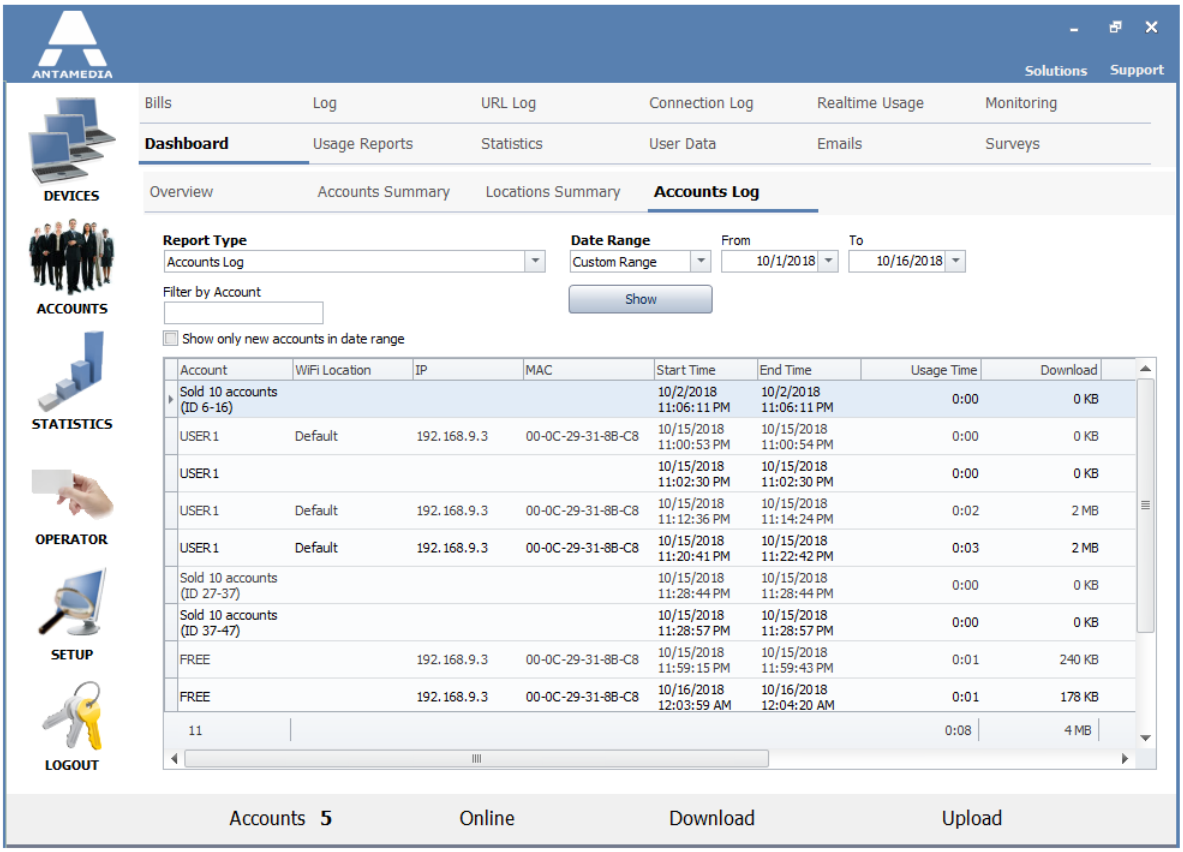
23.1 Dashboard

From Statistics **Dashboard** in single click you can get overview of all import statistic details like number of Total Accounts, Total Bandwidth, Total Time, Total Payment, Total Sessions, Average time and Average bandwidth.

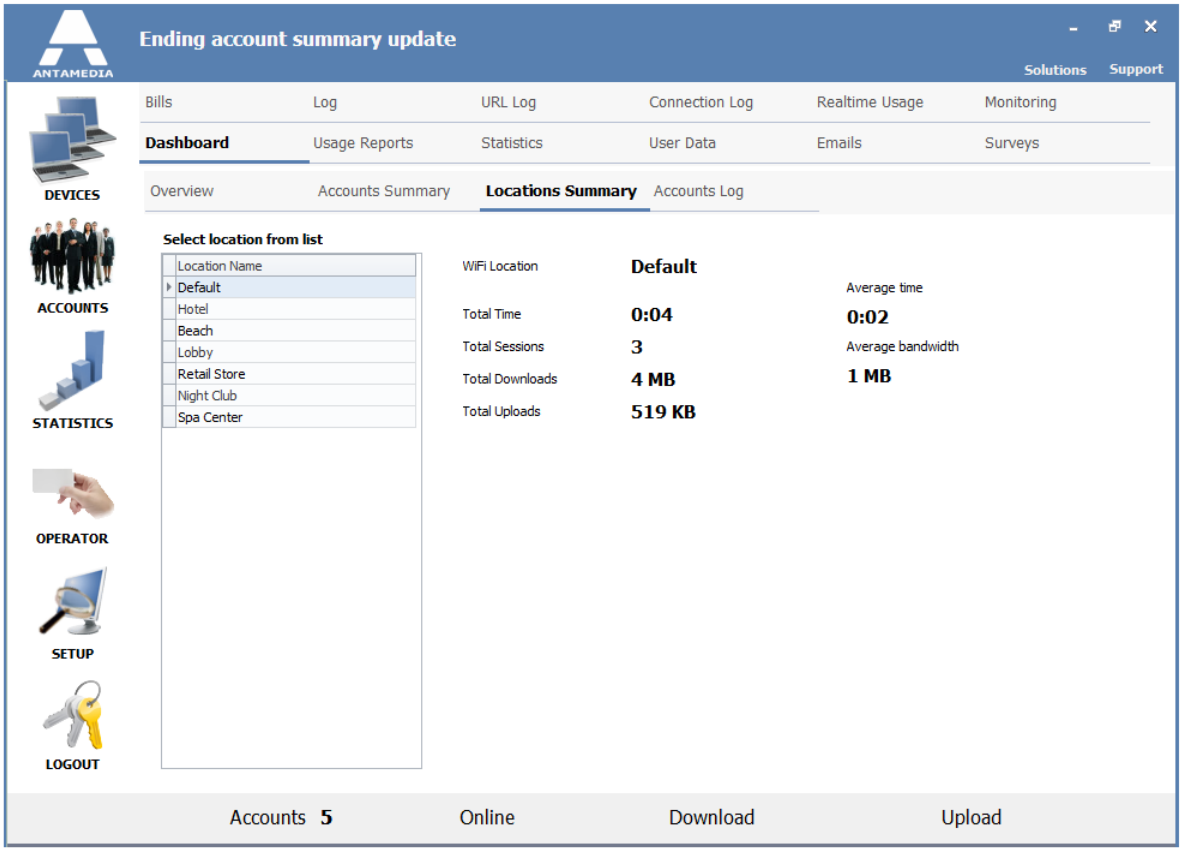
On same page diagrams show **Today Bandwidth**, **Today Usage Time**, **Current Week New Accounts**, **Current Week Logins** and **Current Week Sales**.



Accounts Summary provide preview of all account based database actions.
Press on **Show** button to load Summery and press on Print to get print preview of summary.
Summery provide information about Account/Action, Usage Time, Logins, Download, Upload, Bandwidth, Sales, Creation Date, First Used and Last Used



From **Location Summary** you have summary results that can be filtered based on WiFi Locations configuration. Summery contain information based on WiFi location, Total Time, Total Sessions, Total Downloads, Total Uploads, Average time and Average bandwidth.

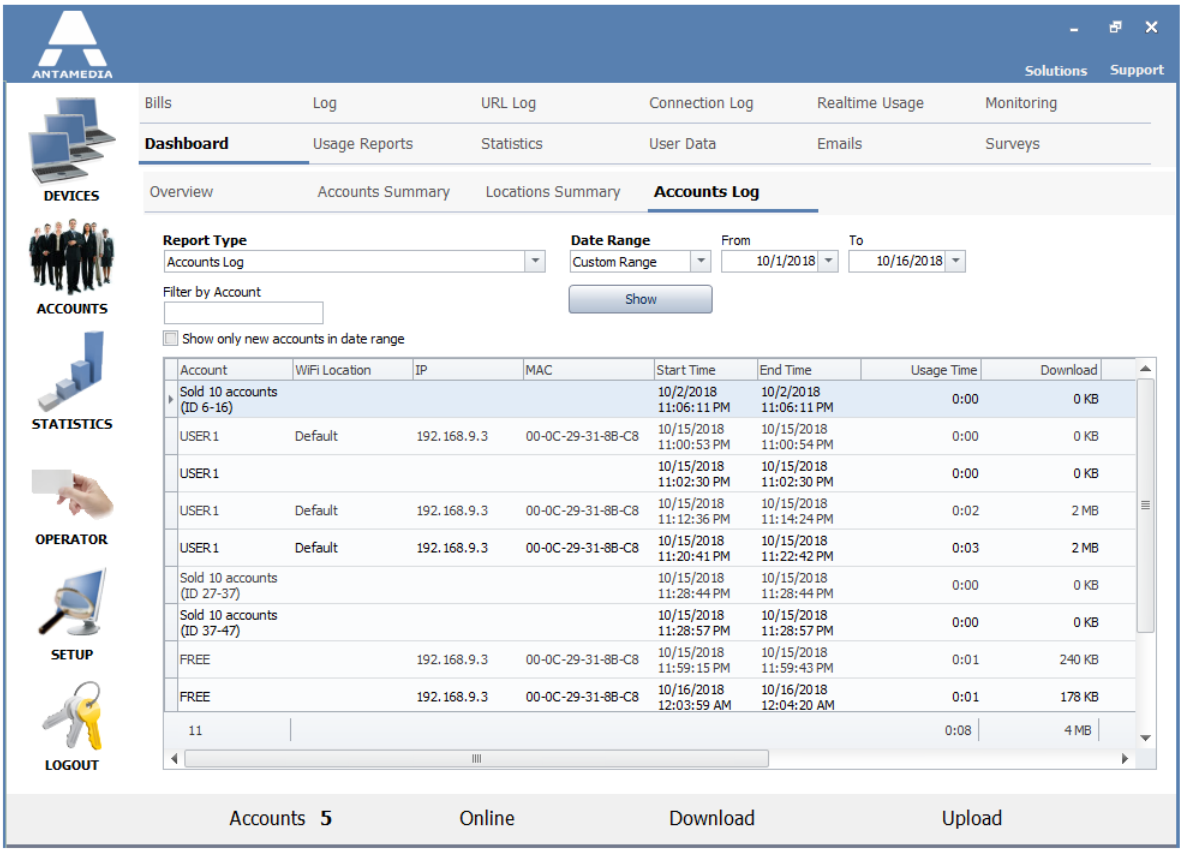


Accounts Log give informations and reports regarding all Accounts actions and activity.

To display report for specified time period, please select the starting and the ending date in the **From** and **To** fields, or choose one of the predefined time periods (Today, Yesterday, Last 7 days etc.), and press **Show** button. You can **Filter By Account** or **Show only new accounts in date range**.

From **Report type** select between available views: Accounts Log, Top accounts by total bandwidth, Top accounts by time usage, Top accounts by sales and Top accounts by number of sessions

Report details are: Account/ Action, WiFi Location, IP, MAC, Start time, End time, Usage time, Download, Upload, Total Bandwidth, Logins, OS and Sales



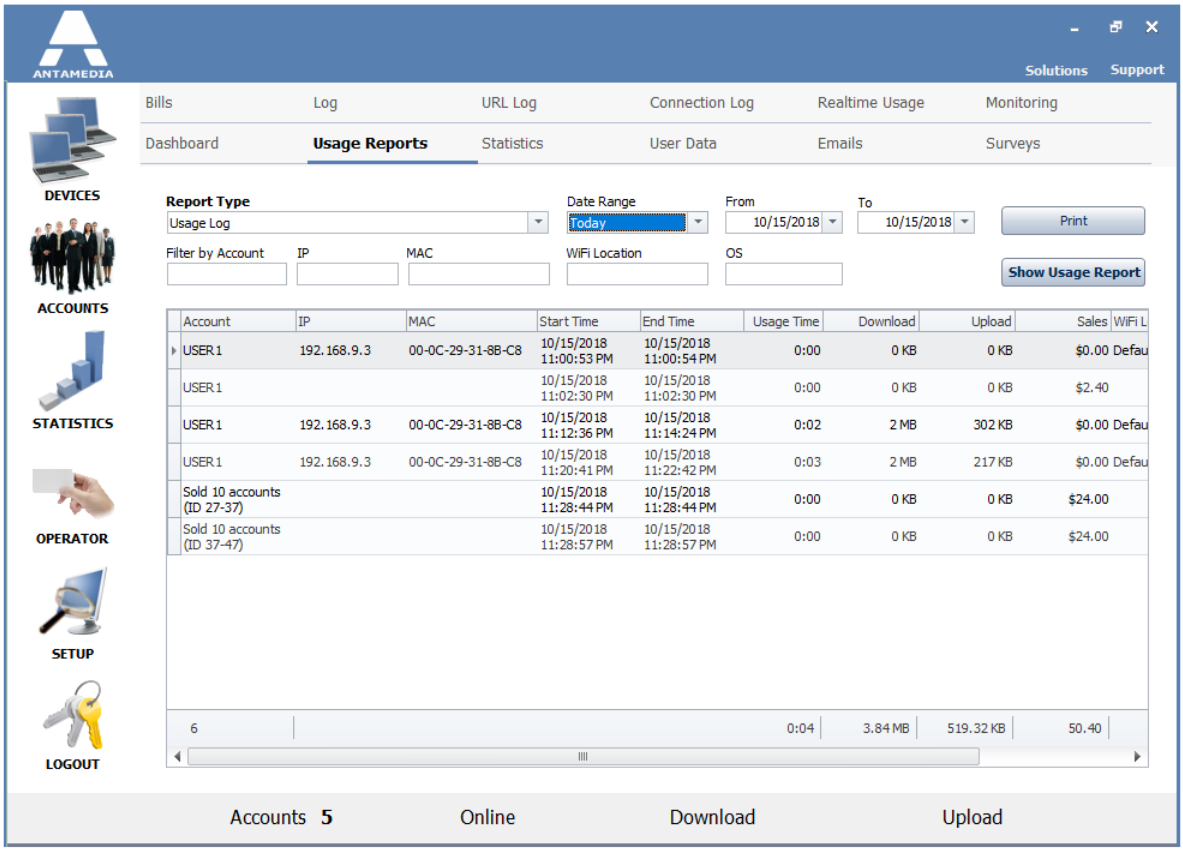
23.2 Usage Reports

Usage report is a session based report which precisely shows **who**, **when** and **how much** has used your HotSpot services.

Report details are: Account/ Action, WiFi Location, IP, MAC, Start time, End time, Usage time, Download, Upload, Total Bandwidth, Logins, OS and Sales

To display usage report for specified time period, please select the starting and the ending date in the **From** and **To** fields, or choose one of the predefined time periods (Today, Yesterday, Last 7 days etc.), and press **Show Usage Report** button. You can filter such report for a specified account, IP or MAC address.

From **Report type** are offered: **Usage Log** (shows all sessions and its details), **Summary per Account** (get totals for selected account), **Summary per MAC** (get totals for the selected MAC address) and **Summary per IP address** (get totals for the selected IP address)



23.3 Statistics

Statistic report is providing valuable data about your HotSpot operation. It will show you **total time usage**, **bandwidth**, **number of logins** and **total sales** for selected day or time period. Using this feature you can identify which days generate lower profit and stimulate customers with appropriate benefits.

Statistical data is collected continuously, after each customer logout, so you can always enjoy fast report display on screen.

Statistics is available in Chart and Table mode. By default, statistics is displayed in chart mode, giving you a graphical overview of HotSpot activity. You can see, for example, time usage displayed in minutes, over the selected period displayed as days of the year.

Depending on the date range selected, you will see an activity in 24 hours for current day, or for a time period defined with the starting and the ending date in the **From** and **To** fields.

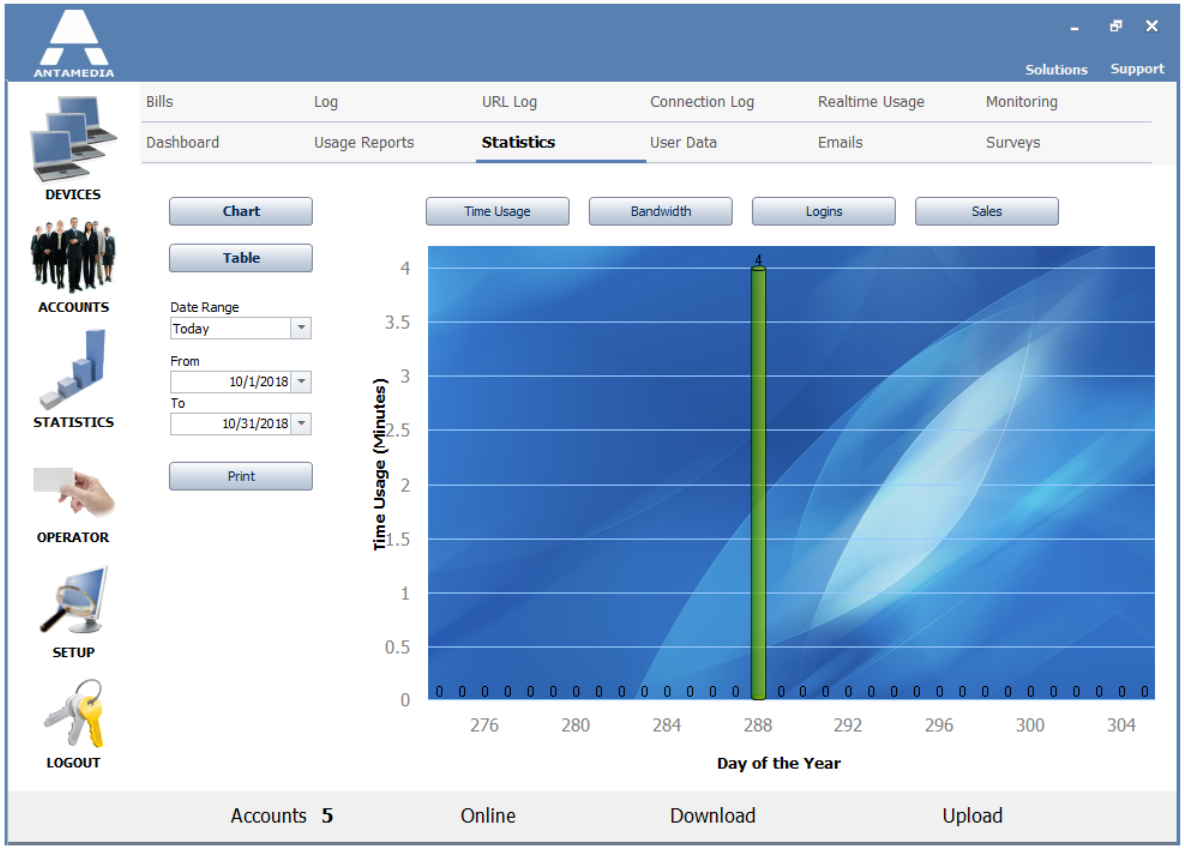
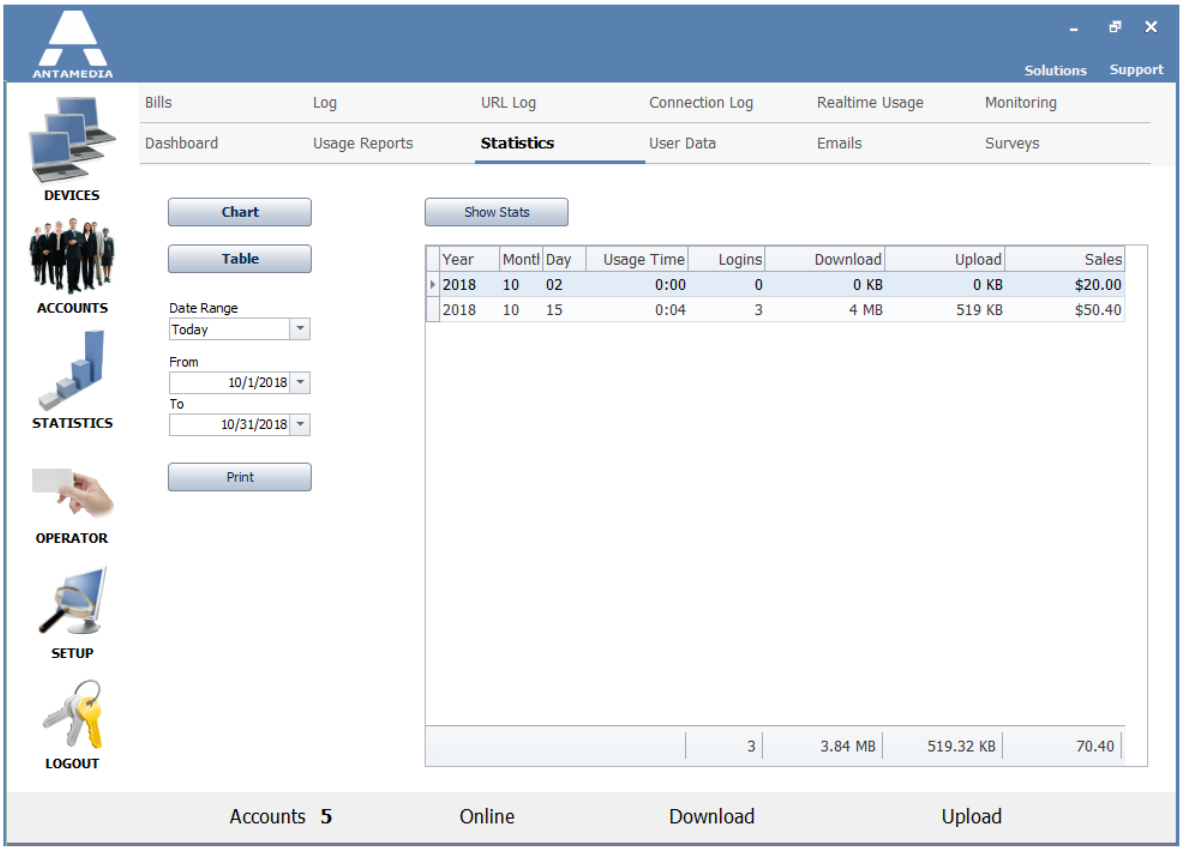


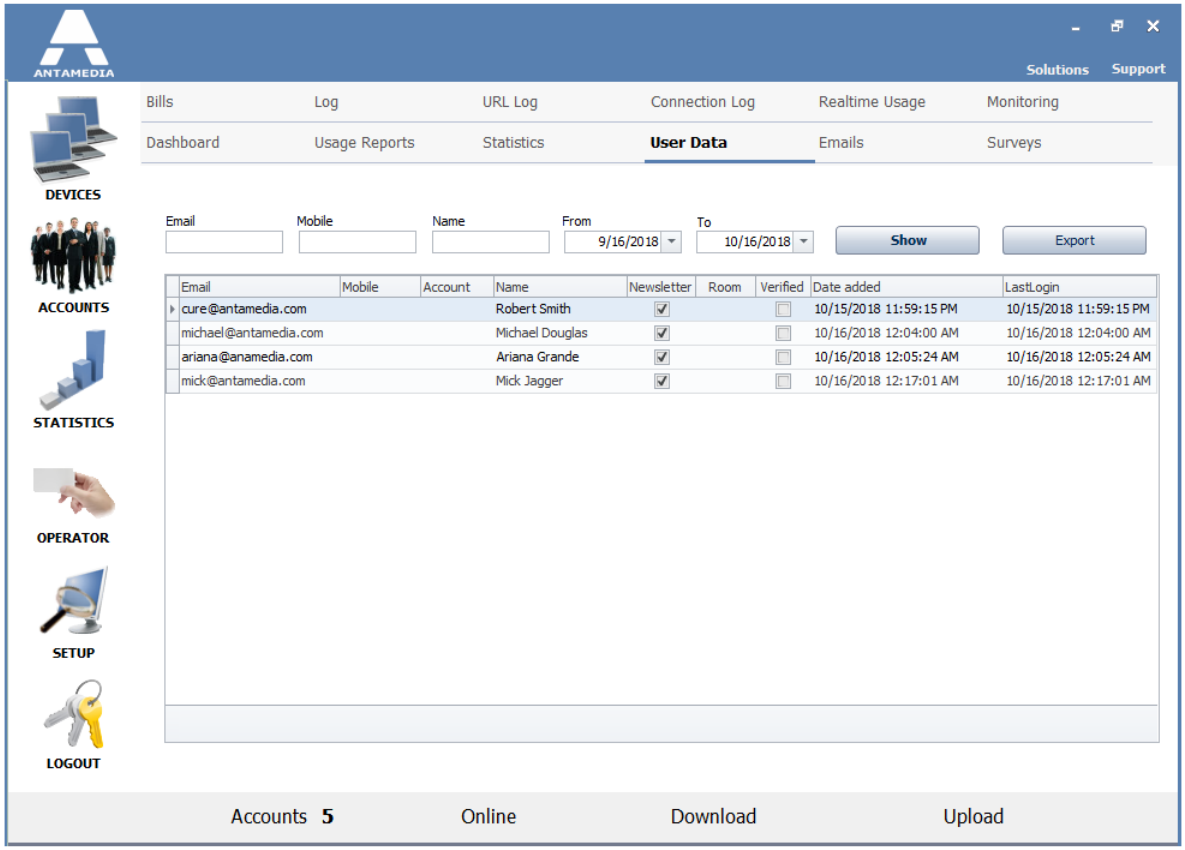
Table mode shows statistics in a condensed view on a daily basis. For each **year**, **month**, and **day,** you will see **usage time**, **number of logins**, **download**, **upload** and **total sales**.



23.4 User Data

From this panel you can have access to **Collected emails and data** and ability to export information about users that accessed HotSpot using free access (without an account or with free signup).
Email addresses will be collected if Free Access or Login page with a free trial link page is set on HotSpot - Setup - Pages - Default page screen.

Collected details are: Email address, Mobile phone number, Account name, Name, Newsletter, Room, Verified and Date of login/signup



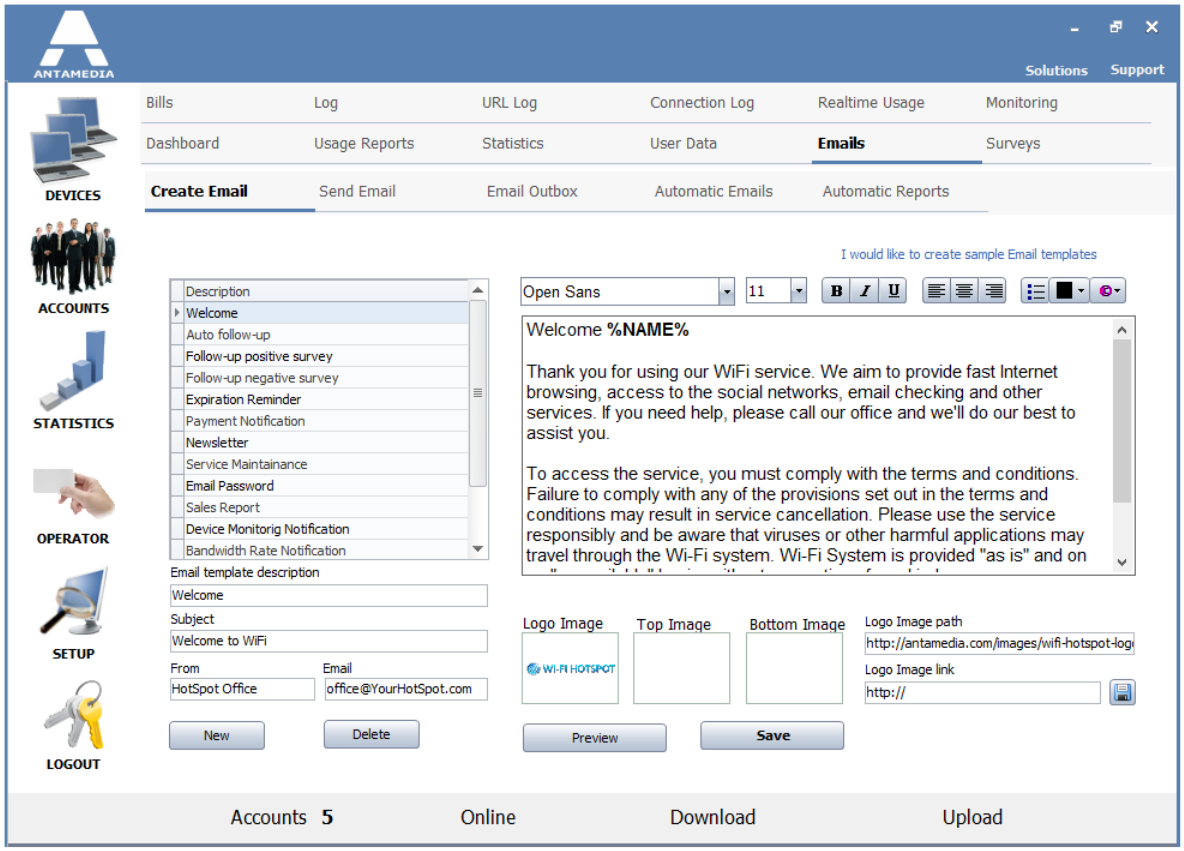
23.5 Emails

From Emails **Create Email** you can define the look and content of Email messages which will be sent to your customers. By default, HotSpot offers a few different templates like: welcome, auto follow up, expiration reminder, payment notification, newsletter and maintenance announcement. You can edit the existing one or add new templates. Please note that message text is a HTML code, and Email is sent as a HTML Email.

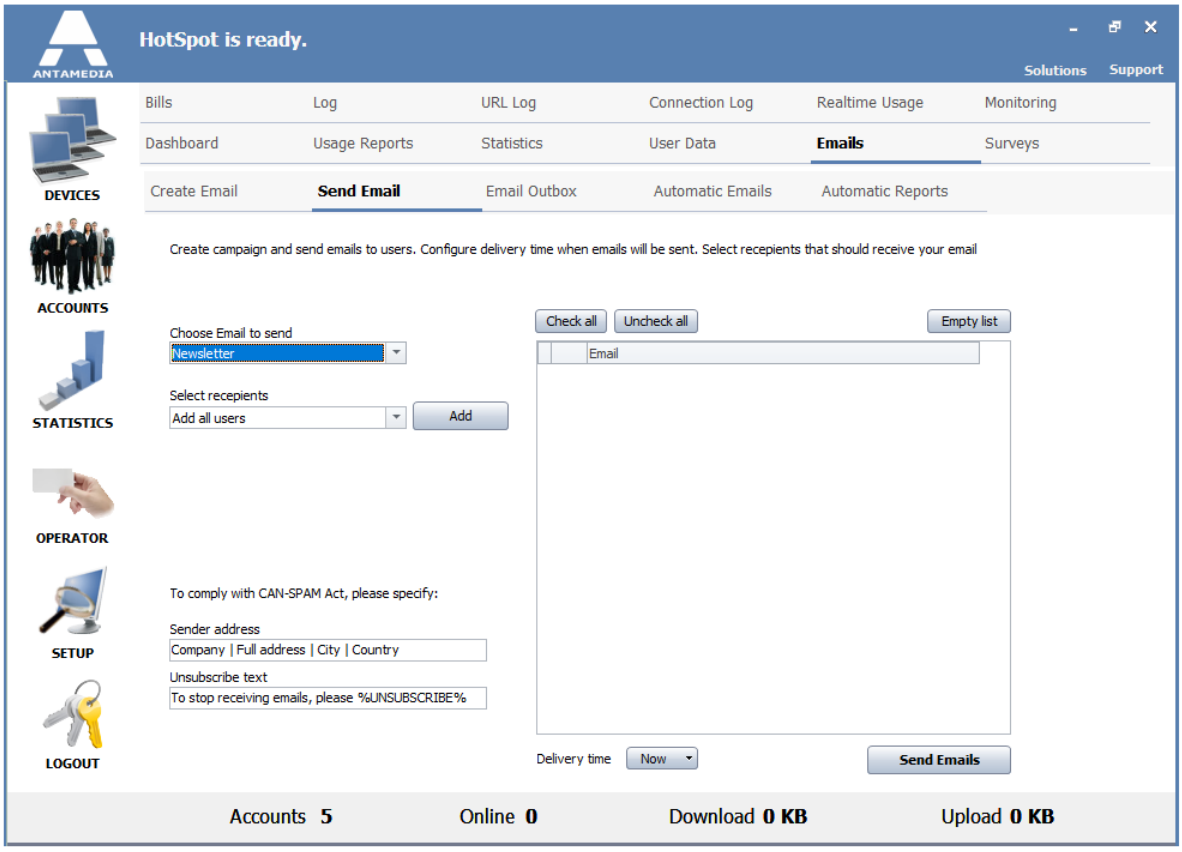
Each Email template is defined with:

Description	Description is displayed in the software from where an operator chooses Email template
Subject	Email subject
From	Your name, company name or the department
Email	Your Email from which you are sending a message

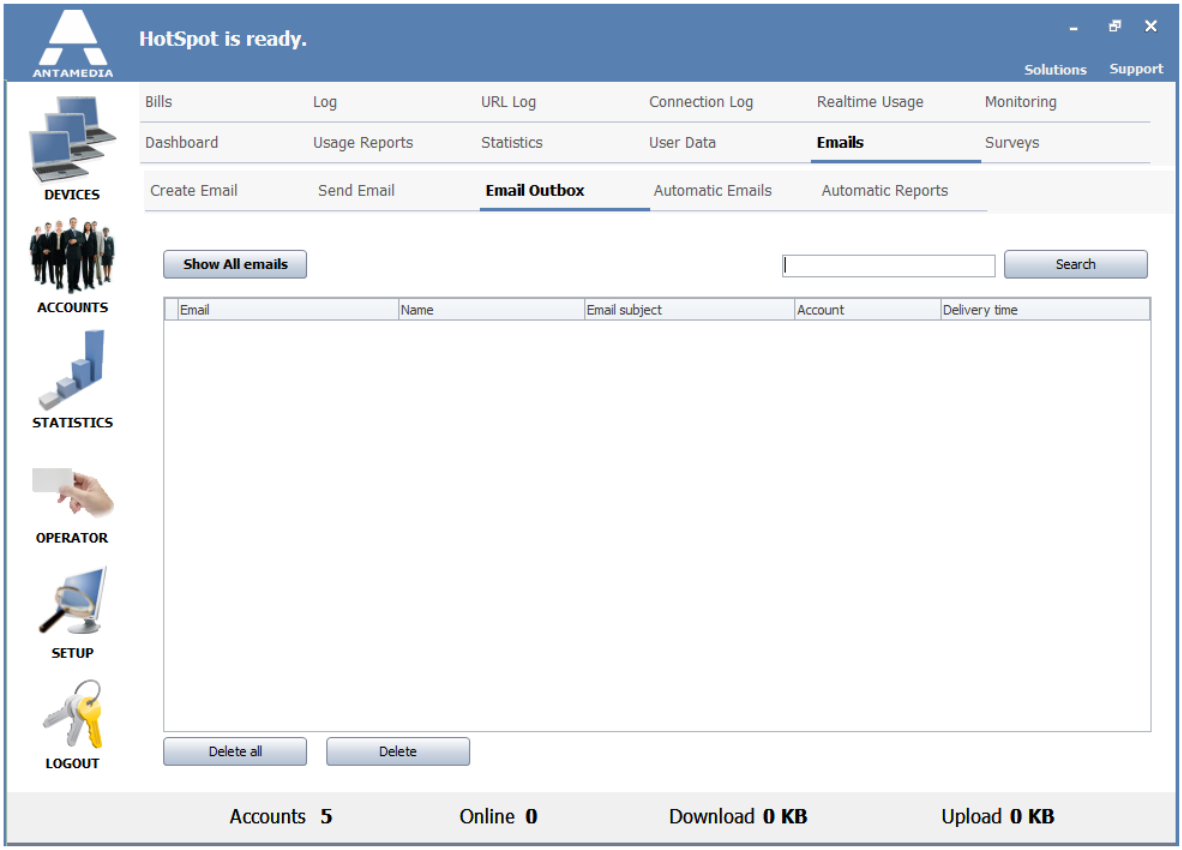
As addition to configuration of e-mail templates, you can set Logo Image, Top Image, Bottom Image and Logo Image path and Logo Image link.



Send Email section helps you create and configure a campaign and send e-mails to users.
Select one from available templates in the combo bellow **Choose e-mail to send** then from **Select Recipients** select customers to which it will be send.
Additional option is to set e-mails **To comply with CAN-SPAM Act** and ability to modify **Unsubscribe text**. Set **Delivery time** for created emails.
Prepared e-mails will be visible in the list.

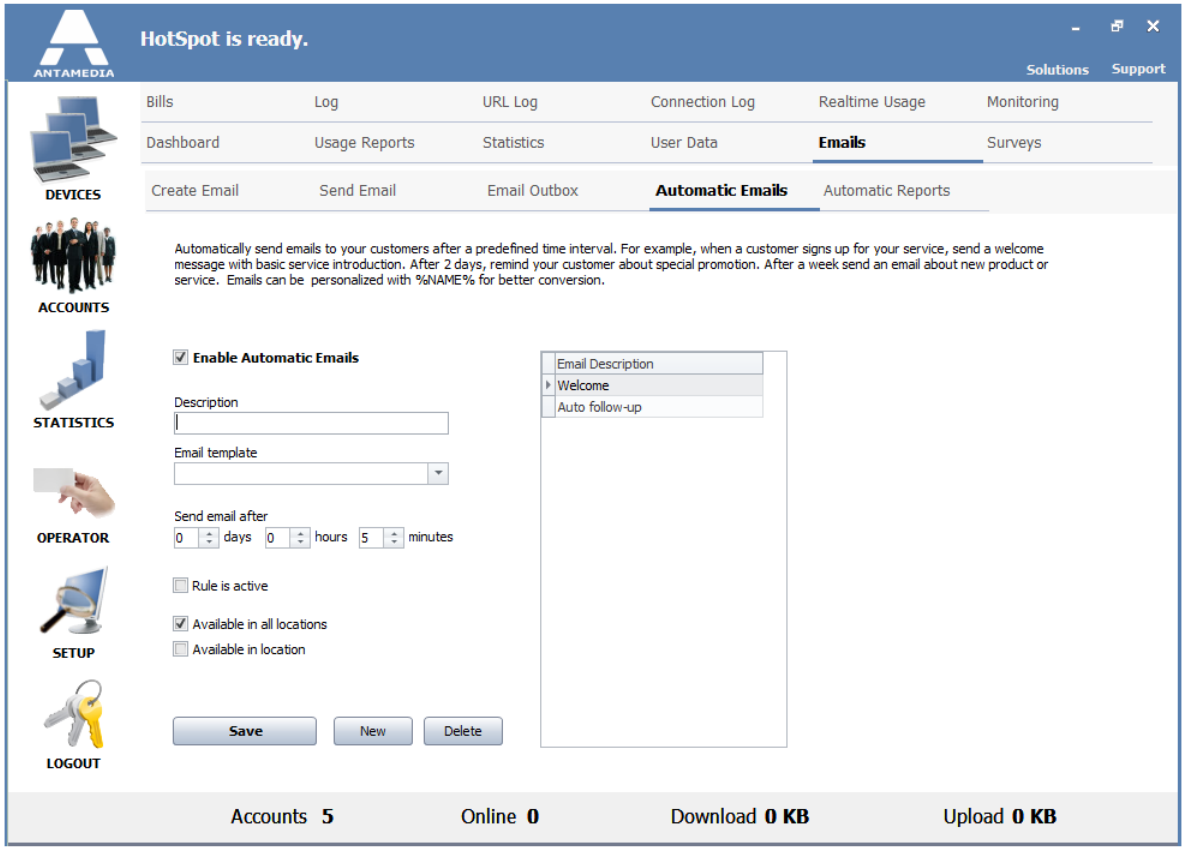


From **Email Outbox** you can see a list of all prepared e-mails which are pending for sending.
From list you can see E-mail, Name, Email subject, Account and Delivery time for each of prepared emails.

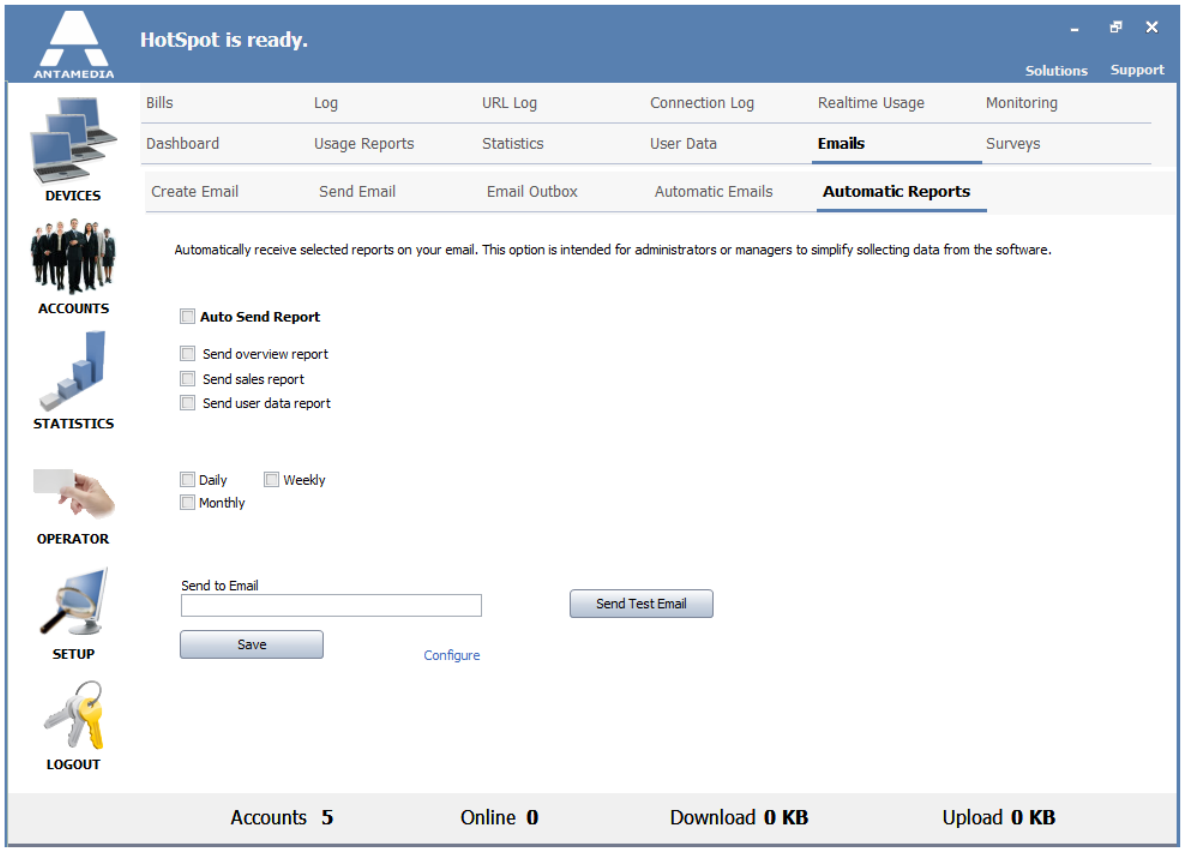


From **Automatic Emails** first **Enable Automatic Emails**. Select Description, Email template, time when emails will be send, location for which it will be used and activate role.

Description	Set description which will be displayed in the software
Email Template	Specify one from previously created templates
Send email after __	Specify after how many days, hours or minutes it will be sent
Rule is active now	Activate option
Available in all locations	It will be used at all locations
Available in location	Specify location for which auto e-mailing will be used



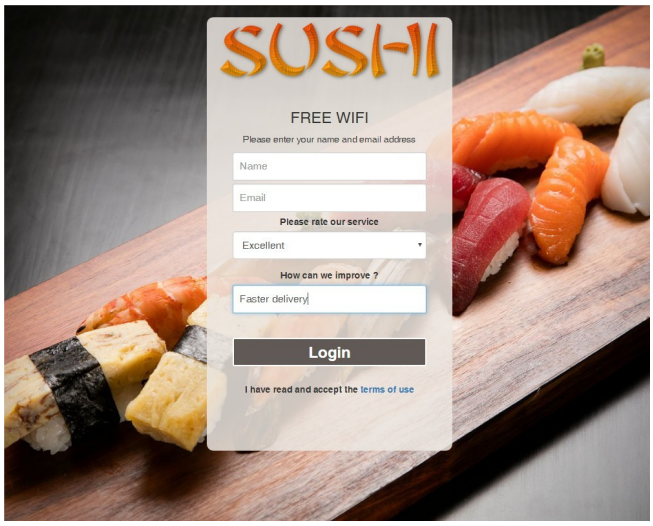
Enable and configure **Auto Send Report** from **Automatic Reports** and select between Send overview report, sales report or user data report to Administrator or manager on daily, weekly or monthly basis. Be sure that you already configured Emailing 113 from the HotSpot.

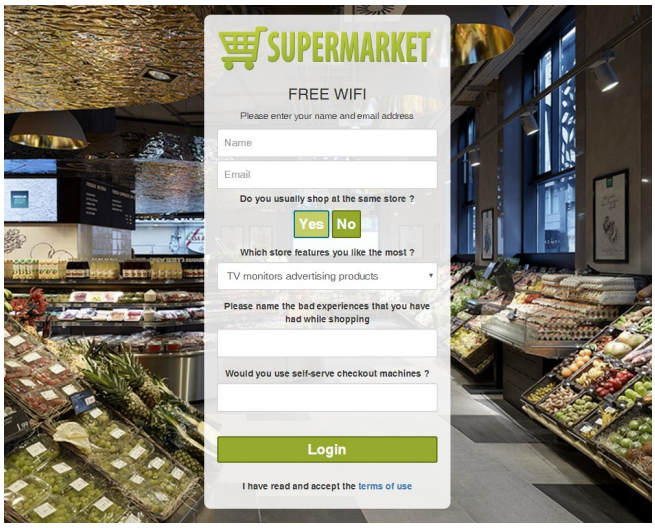


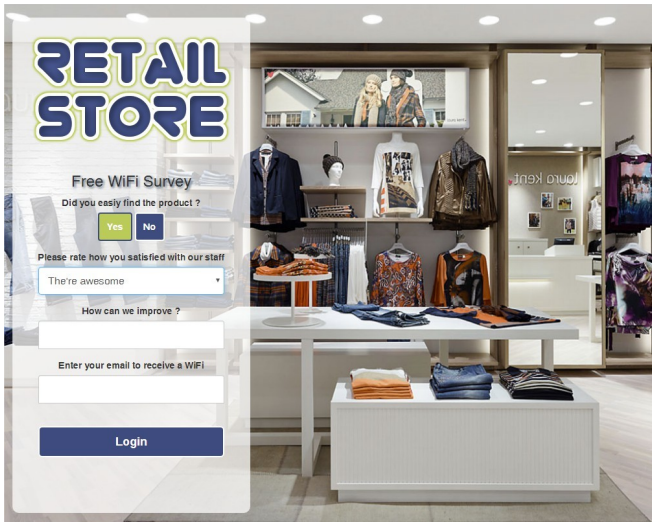
23.6 Surveys

One of the major new features in Antamedia HotSpot are Surveys. This feature helps you collect surveys from your customers. Survey form can be displayed in the login screen, welcome page, or anywhere you desire. It can be configured to appear on every location in your network or only in some of your locations.

Here are the surveys examples



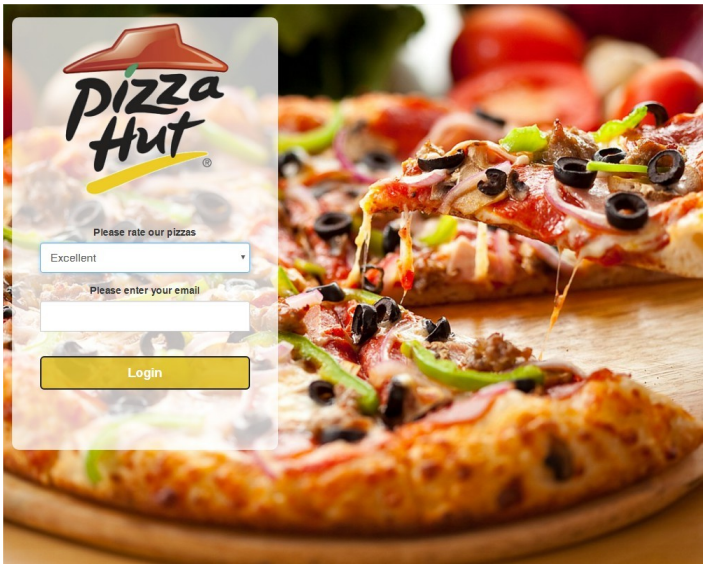


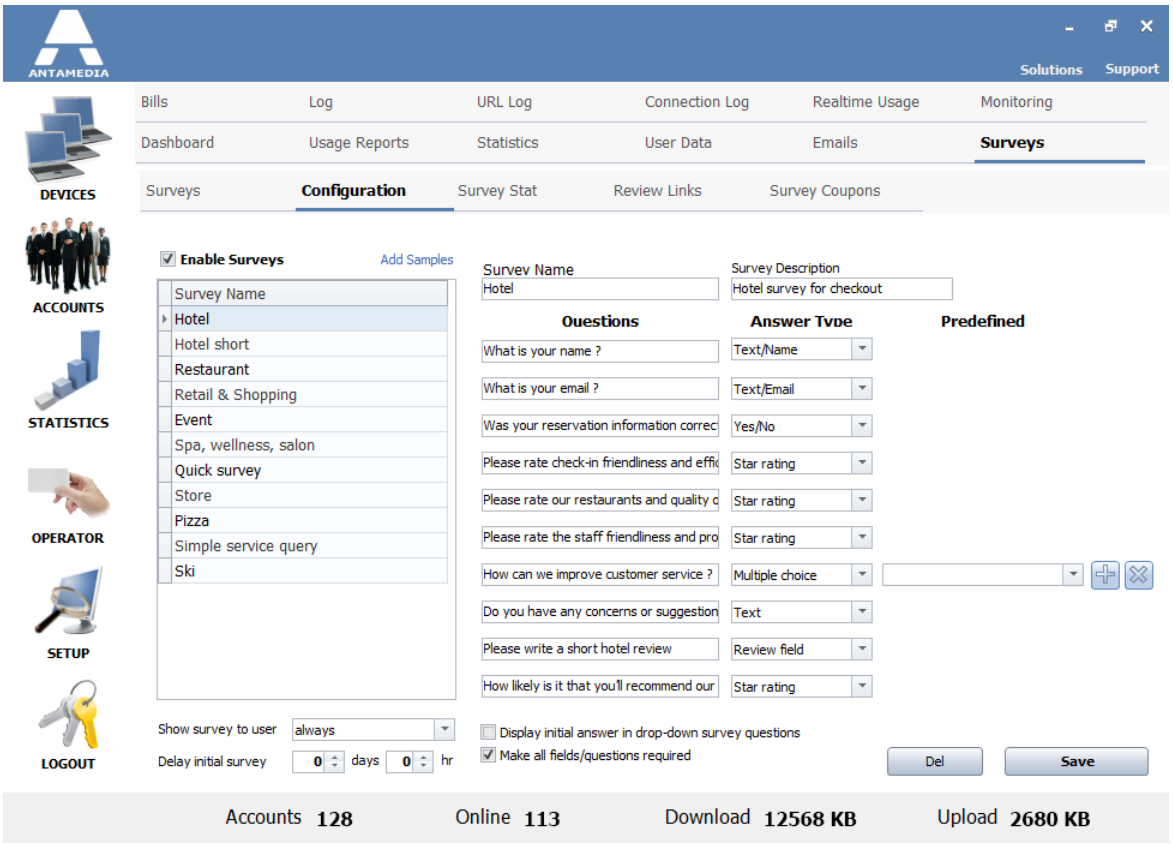


To configure **Surveys** feature, access to **STATISTICS Configuration** section. Select **Enable Surveys**

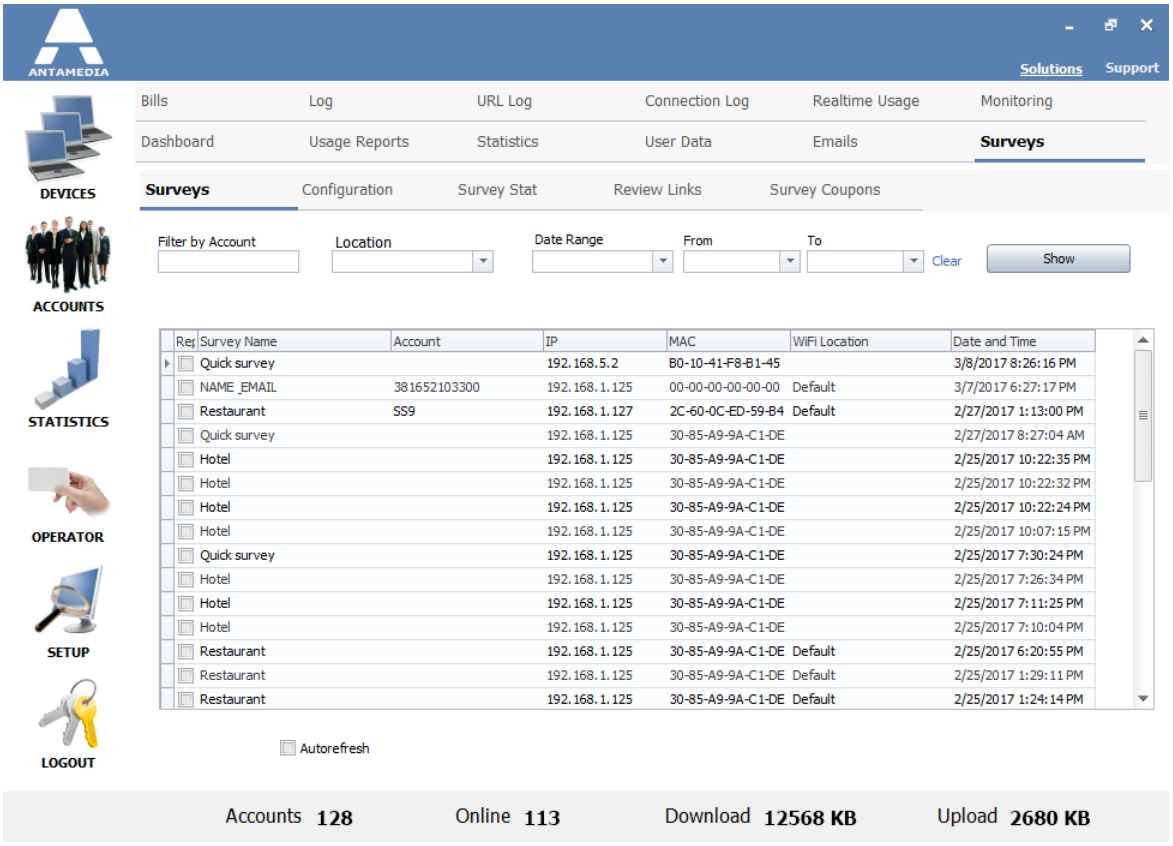
There are several predefined surveys that can be used. You can use only one Survey at the time over one Location. From Setup - Pages - Default Page you can set which of Surveys will be used.

Select **Survey** from list. Set new or modify existing Survey details like Name and Description etc. Survey questions can be used with different predefined answer types like yes/no, text field and multiple choices

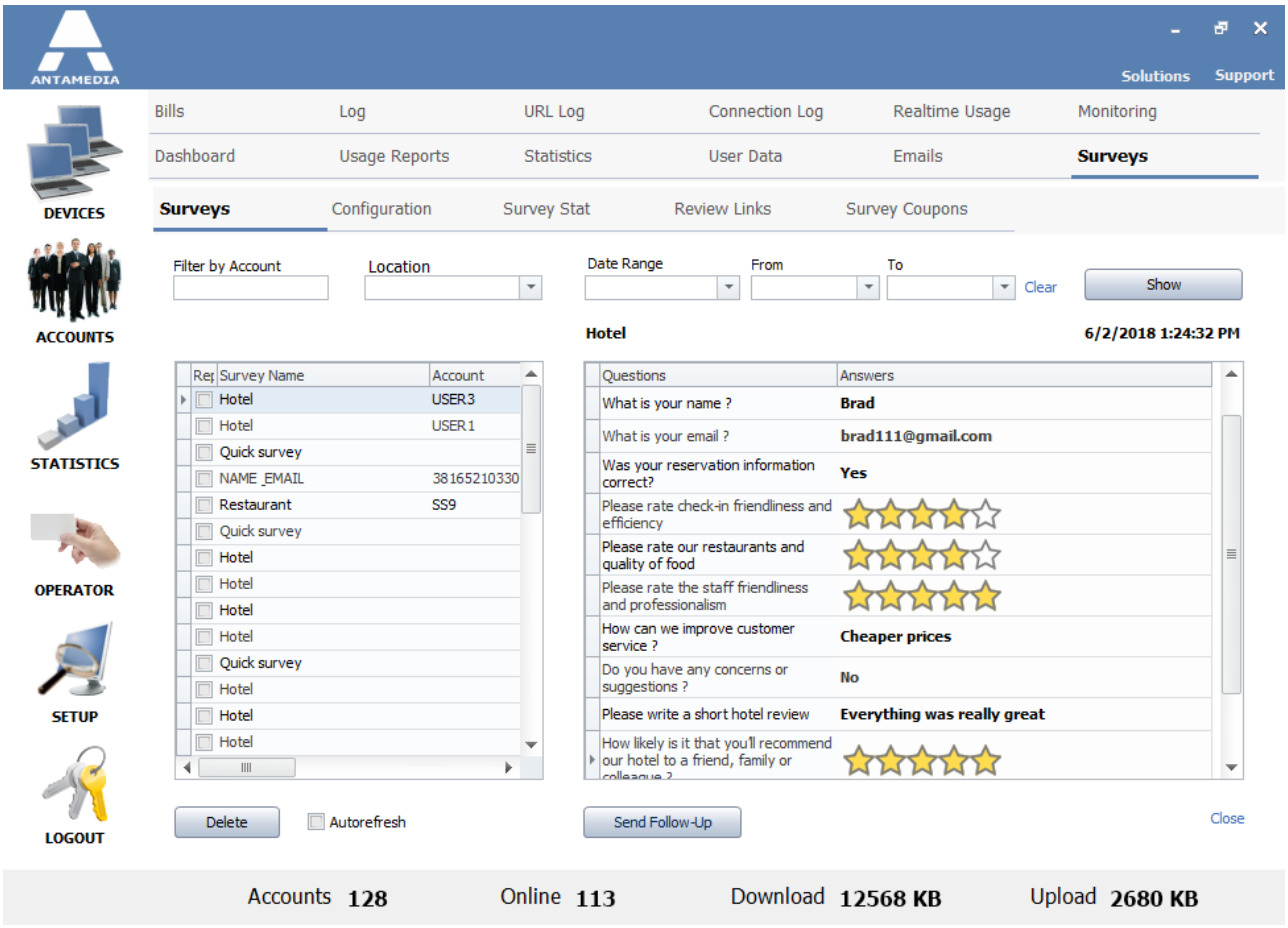




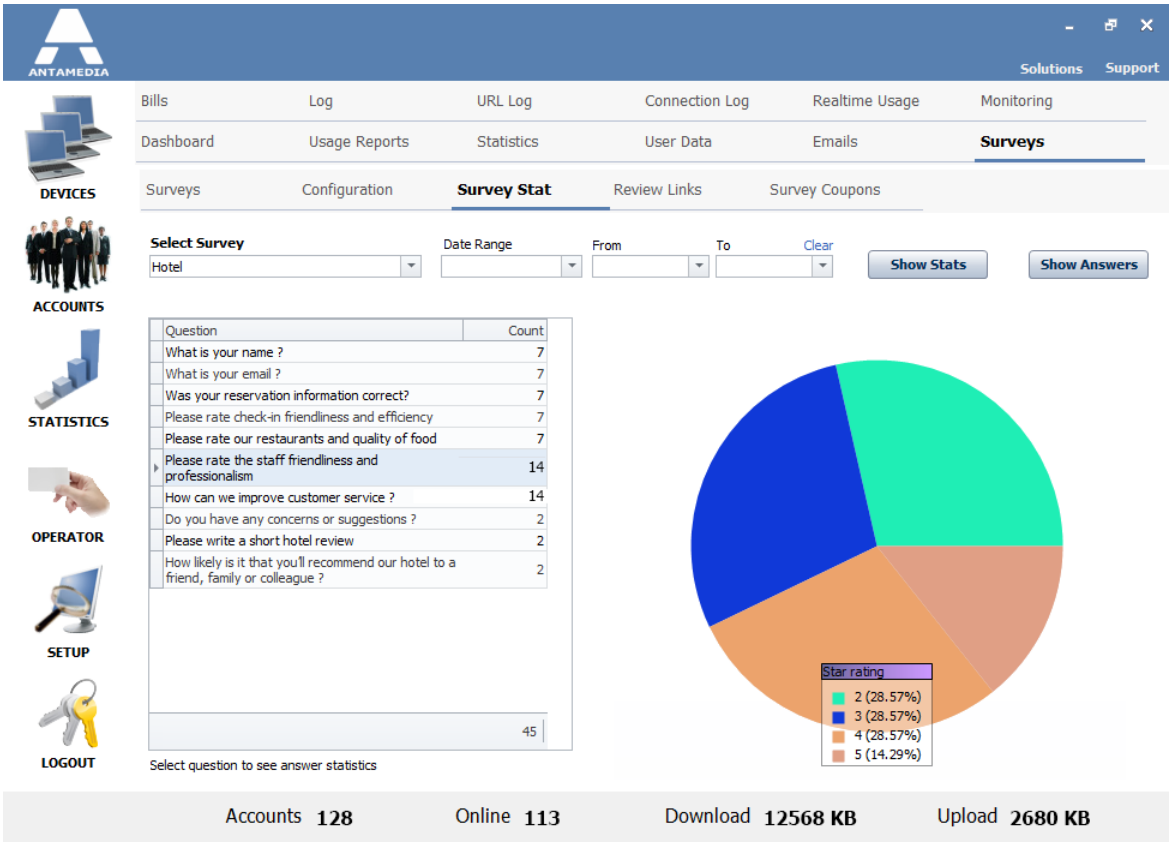
From **Surveys** page you can see all surveys. Surveys can be filtered by Account, Location Name, Data Range. Each Survey in list contain information is it replied, name, account, IP, MAC, WiFi Location and Date & Time.



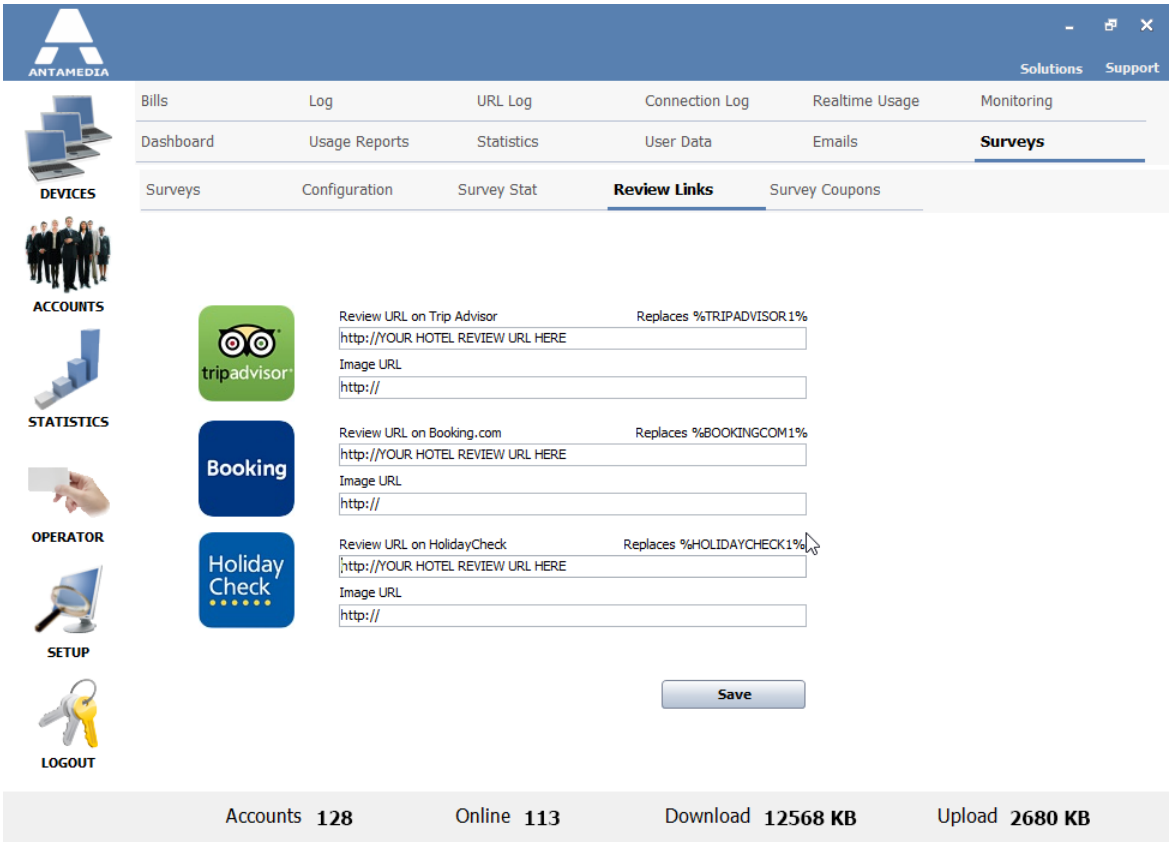
Selecting survey from list will give you survey questions and given answers.



From **Survey Stat tab** you can see statistics for each of Surveys. Beside each survey question is available number of answers and on the page is visible also "chart pie" preview of results.



From **Review Links** page you can set image and URL address of your **TripAdvisor**, **Booking.com** or **Holiday Check** location. This will be linked with the e-mail templates created and send from HotSpot.



23.7 Surveys Coupons

Survey Coupons helps delivering targeted coupon promotions to the WiFi customer. After completing the survey, a customer will receive one of the coupons at the welcome screen. Coupons are selected based on multi-choice answers, and images are stored in appropriate folders, named after the survey questions.

This new software functionality relies on the Surveys feature and extends it in order to allow displaying voucher coupons to the customer. To describe feature abilities, here is the sample project description of the Airport implementation which will provide passengers, meeter's and greeters with a commercial discount. Voucher is presented in the customer device after connecting to the free WiFi access offered by the airport in the passengers terminal. A short survey should ensure that the customer receives a fitting coupon. After applying survey, user will get a digital discount voucher for shopping. The main objective of the survey in this example is to define the type of customer, the nationality and preferences of the customers and according to the given answers to target and supply the fitting voucher for that customer.

When a device connects to the WiFi network, HotSpot application prepares and shows login page containing survey to the customer. Login page is brandable with desired logo and background, text and colors. Survey has configurable questions and answers which may be set to be mandatory. Those questions which are set to mandatory are considering when selecting which coupon image will be displayed to the customer, which those non-mandatory questions are stored in the database for informative purpose.

In the following example, survey is configured as:

You are:
Departing, Arriving or Meeting passenger

You are interested in:
Food & Drinks, Sweets & Chocolates, Fashion, Sport

You are from:
USA, UK, Germany, France, Bulgaria, Serbia

What is your gender ?
Male, Female

What is your age?
Under 18, 18-45, more than 45

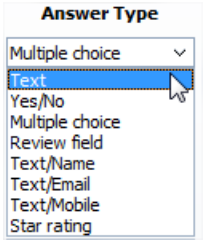
Coupon survey is configured based on proposed set of questions and specific answers. Which coupon image is displayed on the welcome page depends strictly from the customer chain of answers in the survey. You may configure all questions to be considered when targeting which coupon to display, or only selected ones. For example, you may consider only gender, or you can consider combination of gender, age, and interest. In the first case, you'll have only two groups of coupons, one for male and other for female customers. In second case, you'll have as many groups as you have combinations of gender, age ranges, and interest.

After completing the survey, customer receives a coupon which is targeted using the provided answers. Customer is able to download/save the voucher coupons on his/her device and use coupon by showing the digital voucher to the promoter's cashier. Sample welcome pages are displayed below.

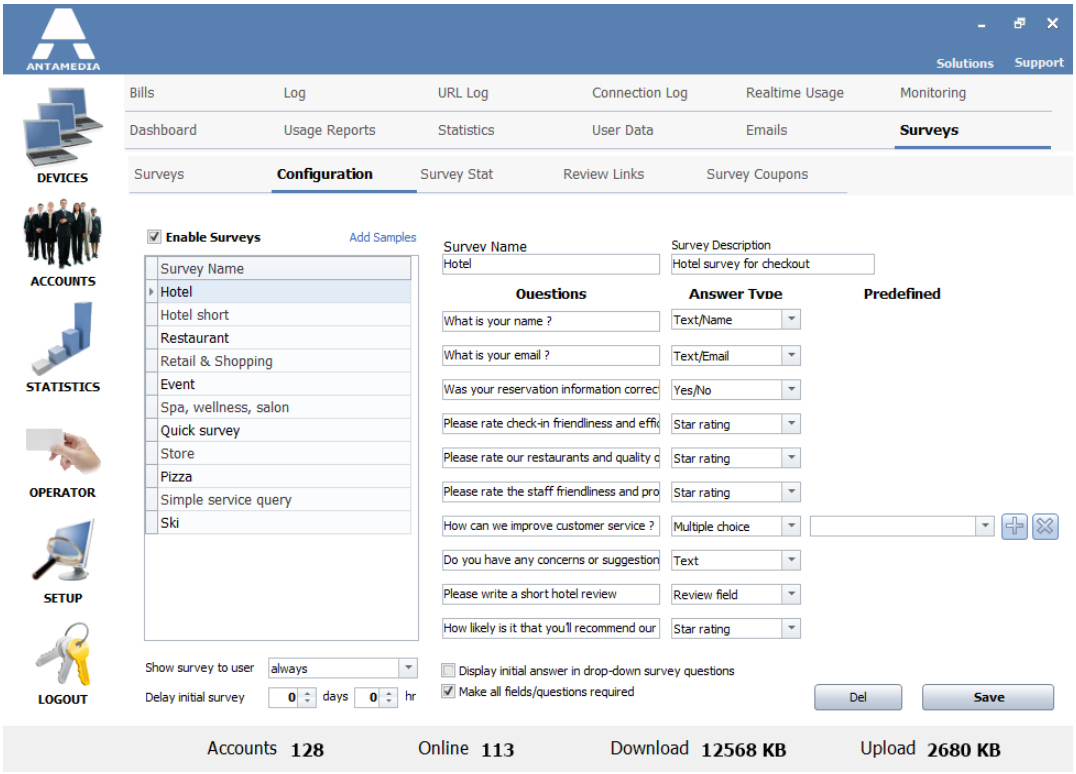
Coupon Configuration
The first step in configuration of the **Survey Coupon** feature is the configuration of the actual survey which will be used to collect data. This is done from HotSpot **Statistics - Surveys - Configuration** page. **Enable Surveys** and select **Quick Survey** in the list.

Type new **Survey Name** and **Survey Description**. In this example, we'll name it **Airport**. Configure survey questions and answers. Answers may be text, yes/no, multiplease choice, review, star rating or specific text fields. If Text/name is selected, this filed will be used to store customer name, and the same applies for other text fields.

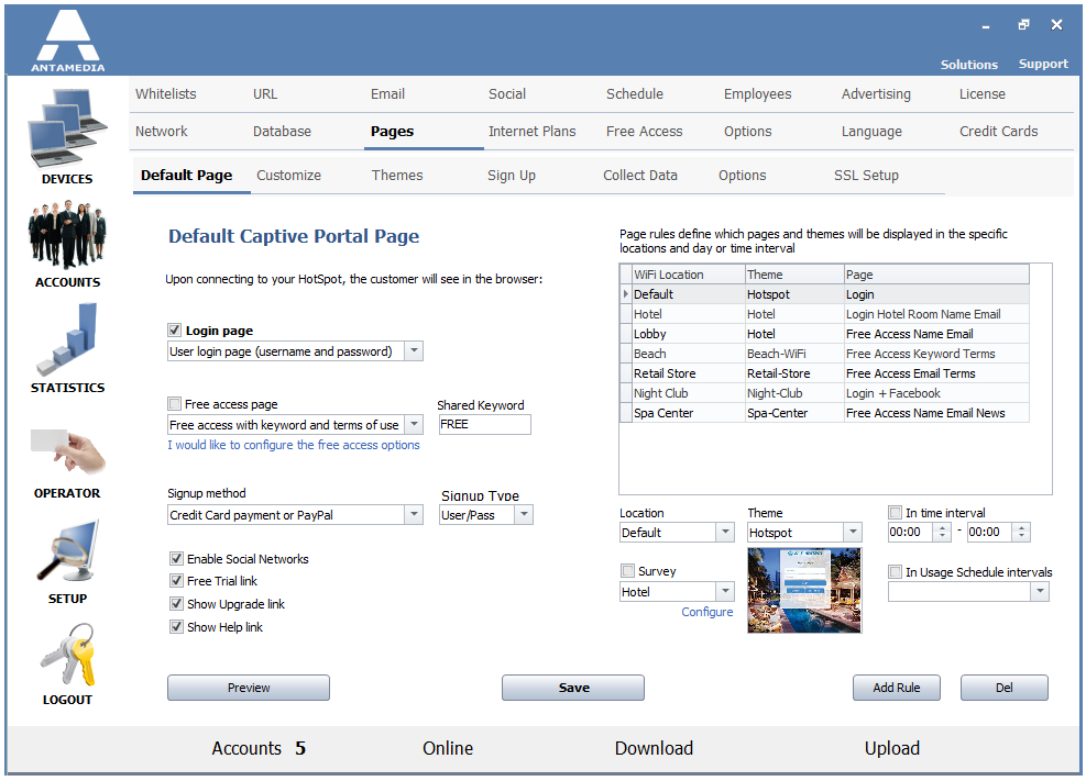
Our survey will be created as:
You are: Departing, Arriving Meeting passenger
You are interested in: Food & Drinks, Sweets & Chocolates, Fashion, Sport
You are from: Serbia, Germany, France, Bulgaria
What is your gender ? Male, Female
What is your age? Under 18, 18-45, more than 45



Survey may be displayed always, only once or periodically, which helps determining desired dynamics when a customer should complete it. In some cases (like hospitality), customer should not be surveyed on the initial WiFi access, but for the coupon purpose, this option should be left as **always**.



Once the survey configuration is completed, press **Save** and go to **Setup - Pages - Default Page** to configure newly created survey to a WiFi location. In this example, we'll use **Free access with single click (Anonymous)** as we'll provide free WiFi to the customers.



The next step is to **Enable Survey Coupons** on the **Setup - Survey - Survey Coupons** page. Checkbox located left of the survey question means that this question/answer will be used for decision which coupon will be provided to the customer. Each answer is used to generate the final folder path where the coupon images are stored on the hard drive. If you leave question unchecked, it will not be included in the folder path from where the coupons are pulled.

At this page, we can see exact folder path where the coupons should be stored. In this example, **Airport** Survey has defined set of answers:
Arriving, Sport, Germany, Male, Less than 18 and the final folder path would be
C:\Antamedia\HotSpot\www\Coupons\Arriving\Sport\Germany\Male\Less-than-18

Therefore, one or more coupons which we want to issue to the customers, should be stored in the designated folder. By pressing the **Open Folder** you can have explorer opened and copy / paste coupon images. Coupons will scale on the responsive page, and they might be 450x450 pixels in size.

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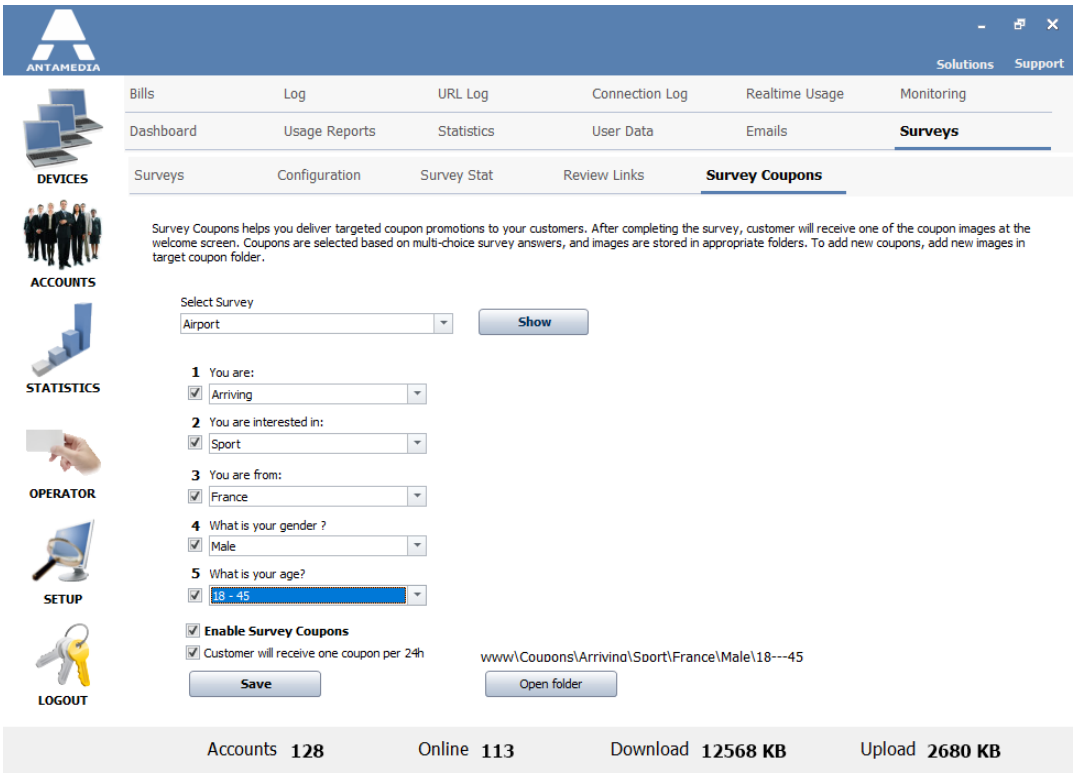
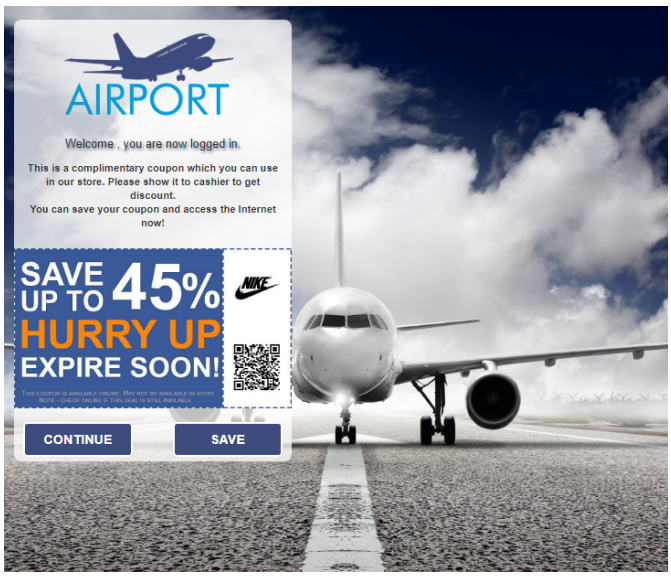
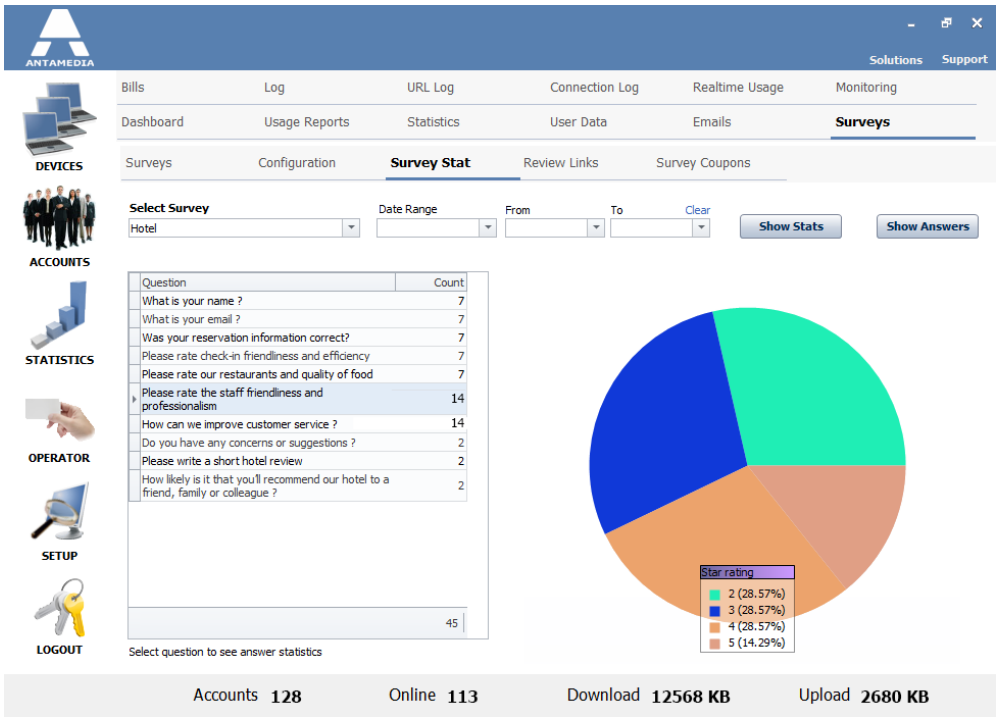
Another important option is to configure how many coupons are provided to the same customer during the day. If a free access expires (like 1 hour) and customer connects again, and completes the survey, he can be provided with the same coupon that he initially received that day, or he can get a new coupon based on the set of answers completed. To provide a single coupon per day, please enable **Customer will receive one coupon per 24h**.



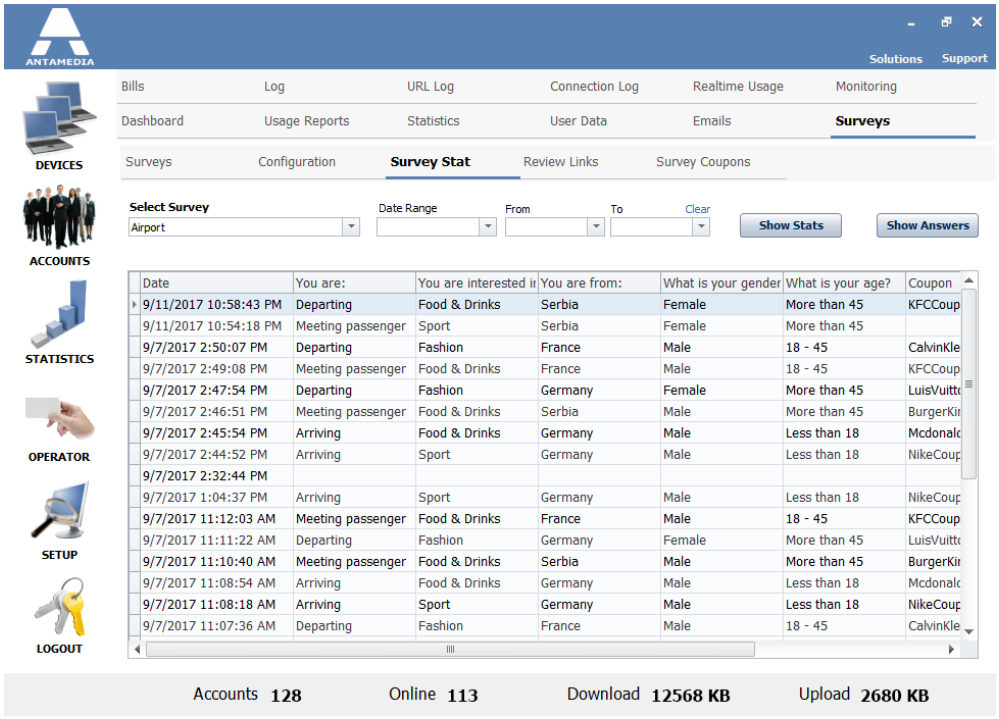
When a customer fills survey with answers: Arriving, Sport, Germany, Male, Less than 18, and press **Login,** in this example he will receive Nike voucher at the welcome coupon page.



Each completed survey is stored in the Hotspot Survey Statistics and can be later viewed as Statistics log and Statistics graph



Complete log is represented with all the answers collected and the coupon image (file name as coupon.jpg), date and time collected and MAC of the customer device. Log can be filtered by selected date range in order to get the precise breakdown of the vouchers issued.



This feature is available to all registered customers. Happy Couponing !

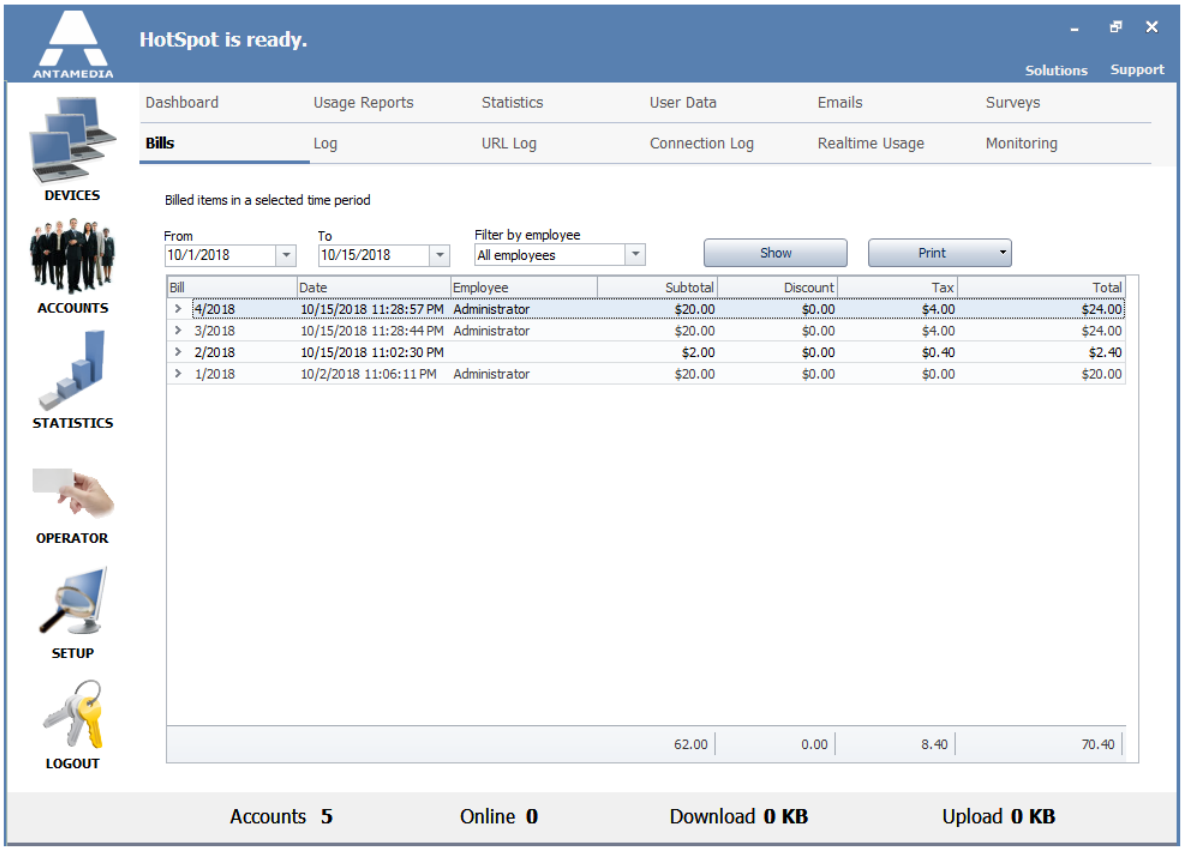
23.8 Bills Report

Bills page shows the list of all charged bills. Each bill has the following details: Date, Subtotal, Discount, Tax and Total amount.

If you want to see what was charged on the selected bill, please click on + button to open the list. You can see the following details: Description, Subtotal, Quantity, Tax and Total amount

For example, if you generate and sell 10 accounts, you will see in description field
Description: Sold 10 accounts (ID 1-10) with price plan 15 minutes test
Quantity: 10

To display all the bills of specified time period, please select starting and ending date in the **From** and **To** fields and press **Show** button.
HotSpot automatically calculates totals for all bills and displays it in bottom bar.

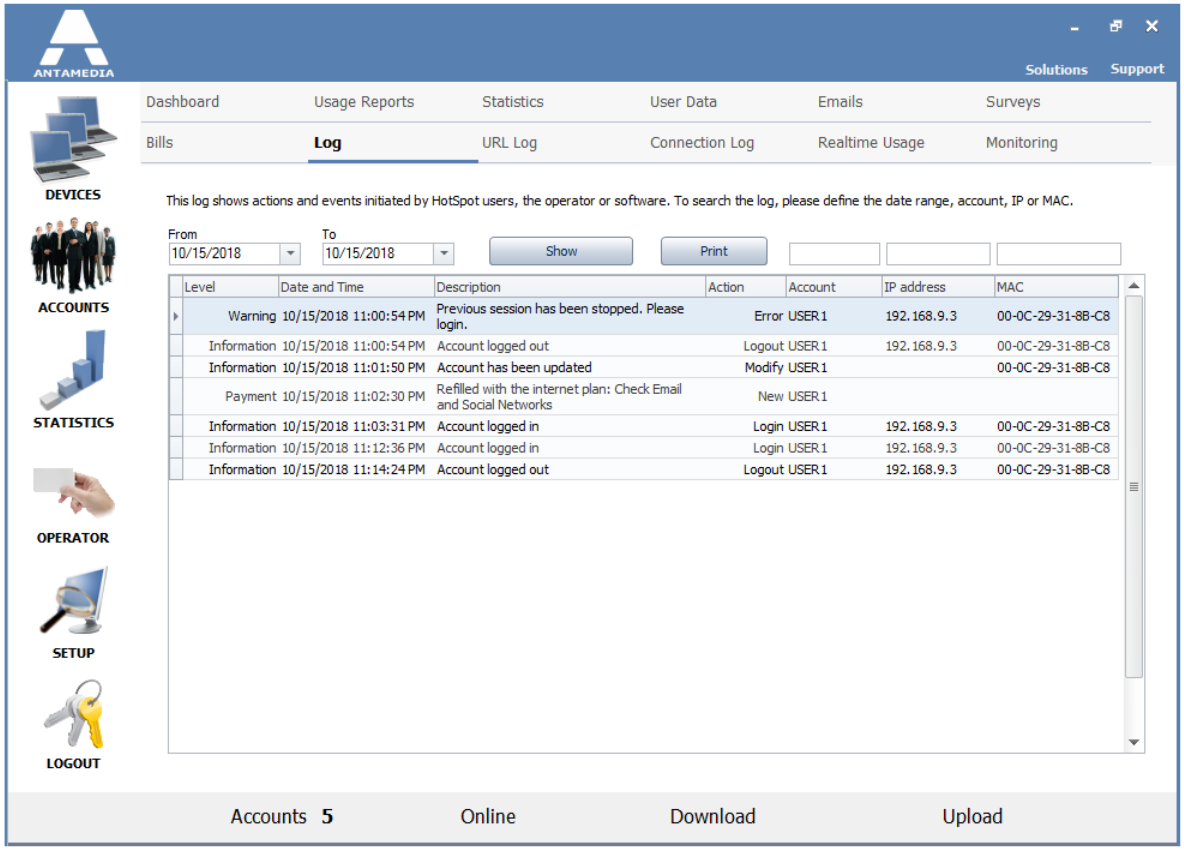


23.9 HotSpot Log

HotSpot log shows all the actions and events initiated by HotSpot users, operator or software.

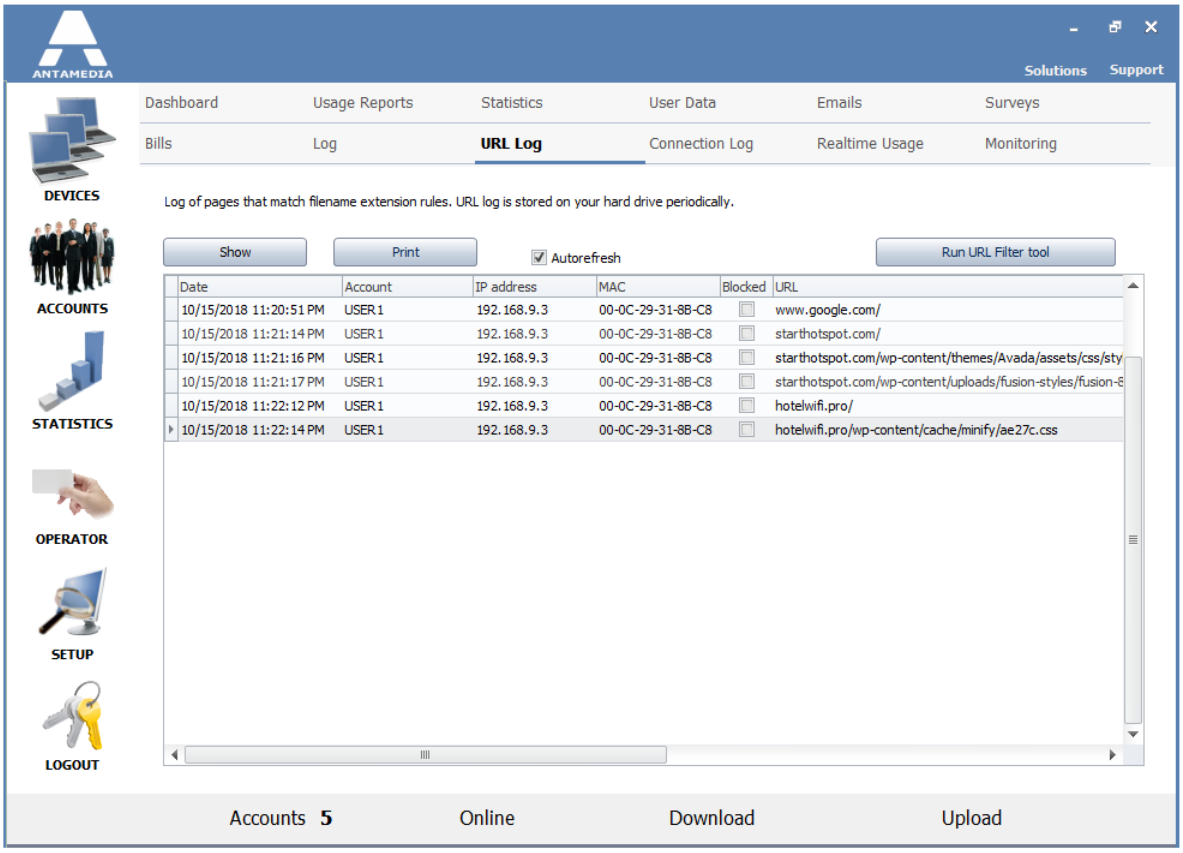
Log shows the following details:
- Level
  - Information, used for account login and logout, and many other informational messages
  - Warning, wrong user login and information that might require administrator attention
  - Payment, when customers pay for your service
  - System Error, if any HotSpot malfunction occurs
- Date and time
- Description
- Action (Login, Logout, Modify, Start, Stop, Error, Generate, Add, Del, New)
- Account
- IP address
- MAC address

To display all the log items for specified time period, please select starting and ending date in the **From** and **To** fields and press **Show** button. If you like to show log for specific computer, please enter its account, IP or MAC address and press **Show** button.

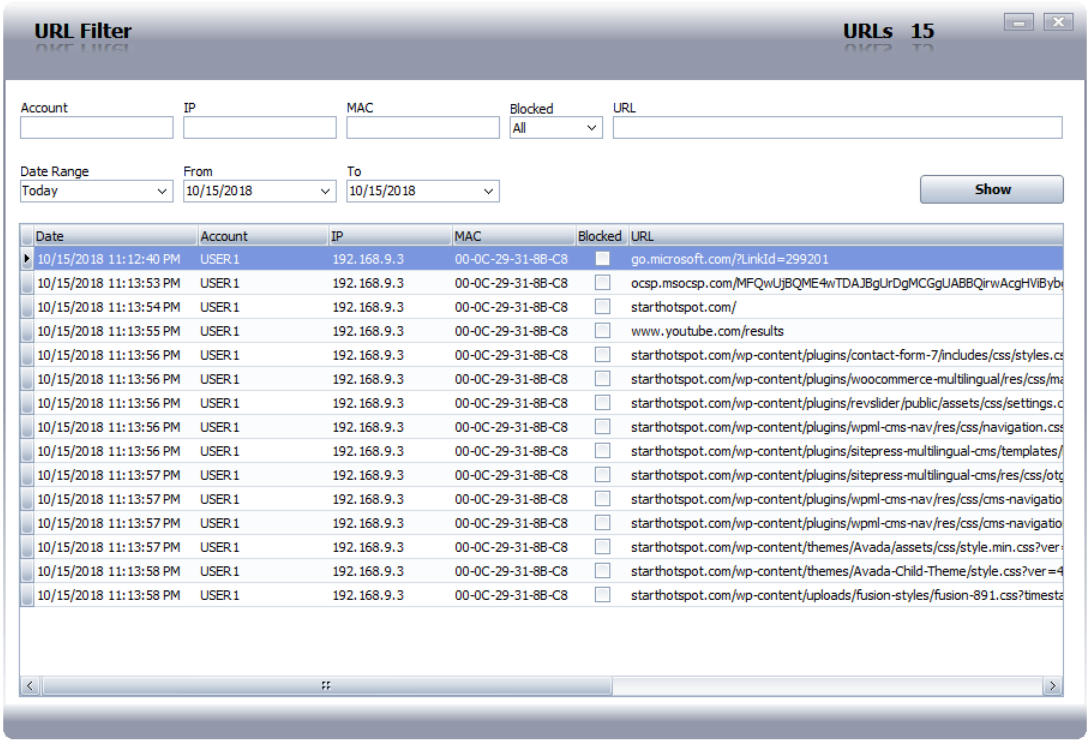


23.10 URL Log

URL log page located in the HotSpot - Statistics - URL Log shows a list of the websites which your customers have visited. URL log is periodically saved to a hard drive (on each 1000 websites listed) and cleared, in order to keep good performance. If you like to check which pages your customers have visited on a specific day, please check the info on C:\Antamedia\HotSpot\Log folder. The files are named with the date and time when log was created.



HotSpot software also includes URL Filter tool which enables easy browsing through the log files, it allows you to search the logs using various criteria like date range and/or Account name, IP or MAC address and website address (URL). It can be launched from URL log page or directly from C:\Antamedia\HotSpot folder in case that HotSpot is not running.



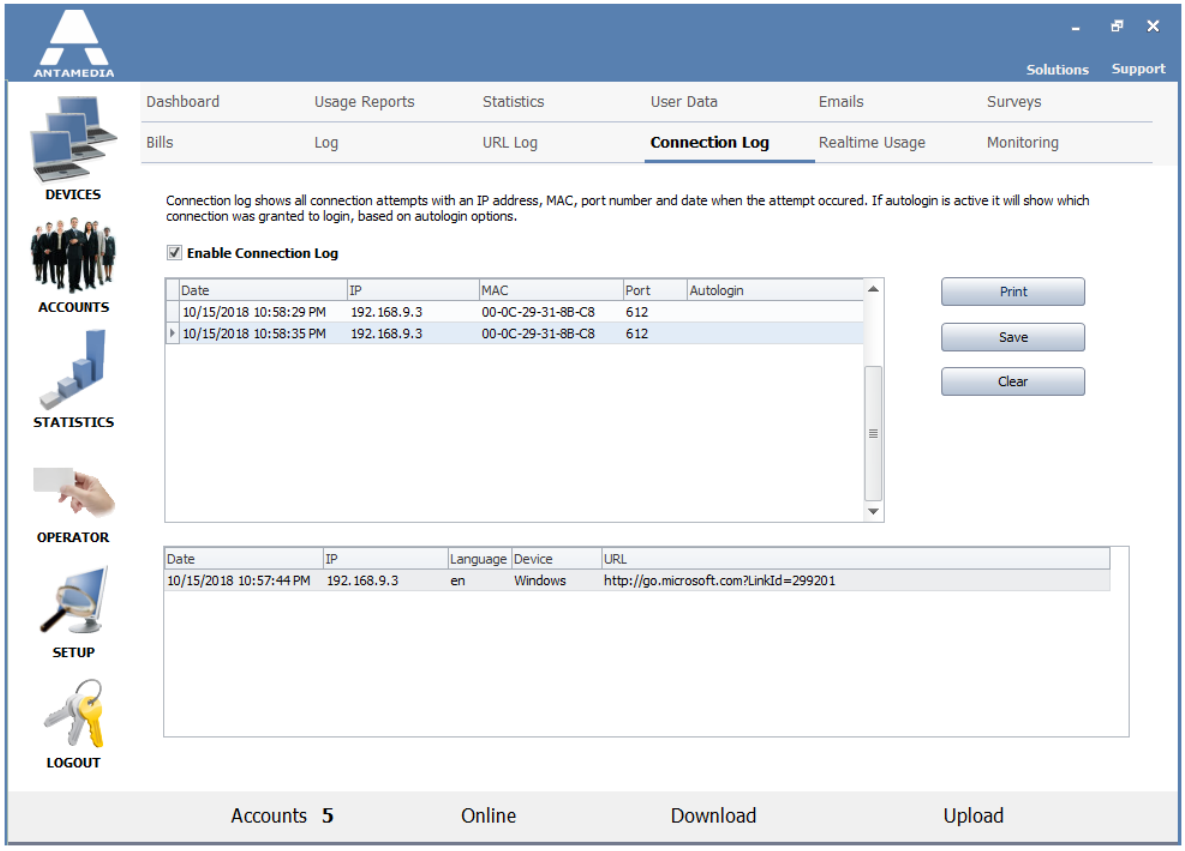
23.11 Connection Log

Connection log shows all the connection attempts to your HotSpot which can give you a realtime report who is trying to login to your network. It is a powerful tool which shows IP and MAC address and the port which remote computer is trying to access, it also shows successful logins list with details such as time, user's IP, language of the client browser, user's device type and initial URL accessed during login.

This log can be used to monitor your network, to detect if any hacking attempts are in progress, to identify a reason when a customer is having a problem to login.

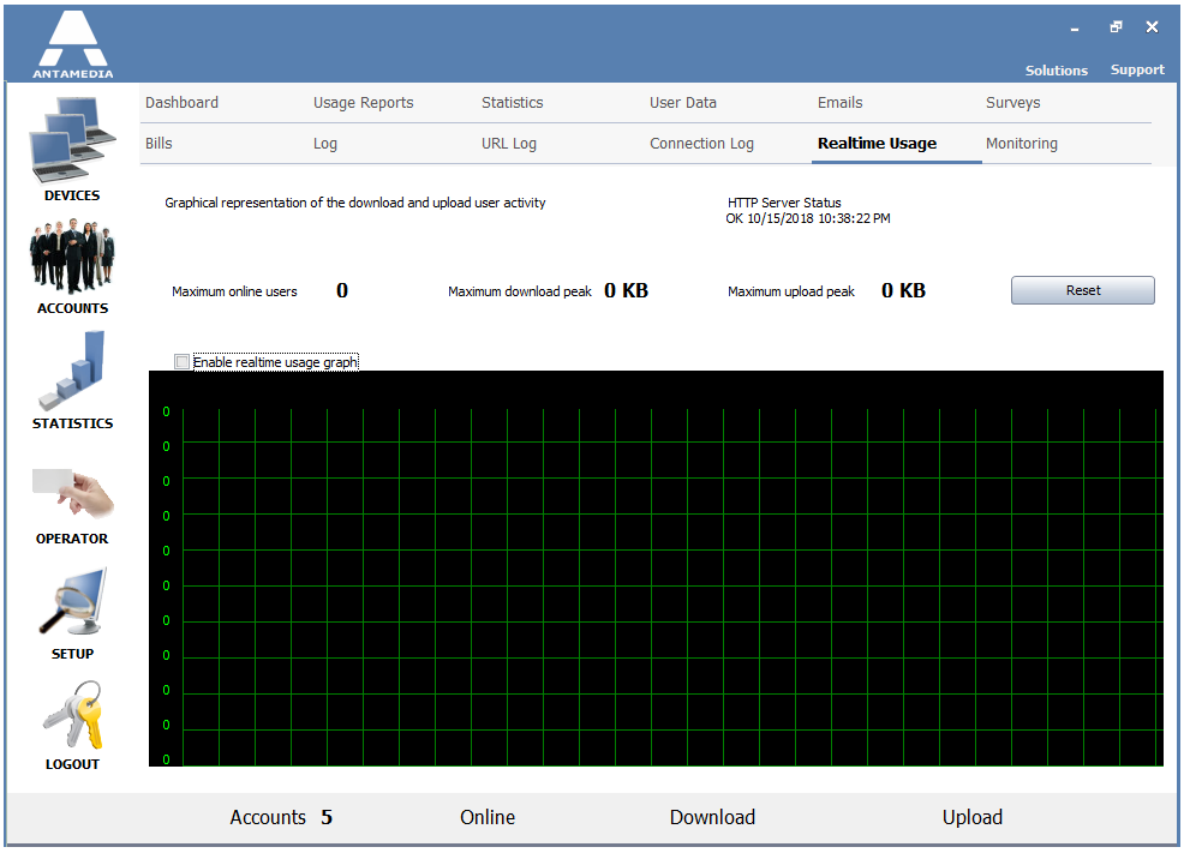
In case when **Autologin** feature is enabled, **connection log** will show which connection was granted to login automatically, based on autologin settings. In such case customer does not see HotSpot login page, but instead get instant Internet access and HotSpot handle login process. Autologin is possible as MAC address of customer computer is known and tied to customer account.

To activate this feature, please **Enable Connection Log**.



23.12 Realtime usage

Realtime usage report shows a real time graph with total bandwidth usage (download and upload). This page also shows information about Hotspot HTTP Server status, maximum online users achieved and maximum download and upload peaks.
Note that this is control option and should not be active all the time.



23.13 Monitoring

Access point and device monitoring give you ability to track uptime of your devices. It pings your access points and other devices that responds to PING command, and tracks responses received. In case that AP/device does not respond within configured time an error reports can be sent to inform about failure and help you eliminate downtime.

Enable Monitoring	Select it to activate devices monitoring on local network.
AP/Device IP address	Enter IP address of device that you want to ping.
Add	Press on Add button to add devices IP address to list of monitored devices.
Remove	Press on Remove button to remove device IP address from list.
Max response time __ seconds	Set maximum response time in seconds in which a device should respond
Send error report by E-mail	Select to send error report and enter E-mail address to which it will be sent.
Send error report by SMS	Select to send error report and enter mobile to which it will be sent.
Ping on every __ minute(s)	Select number of minutes for ping interval.

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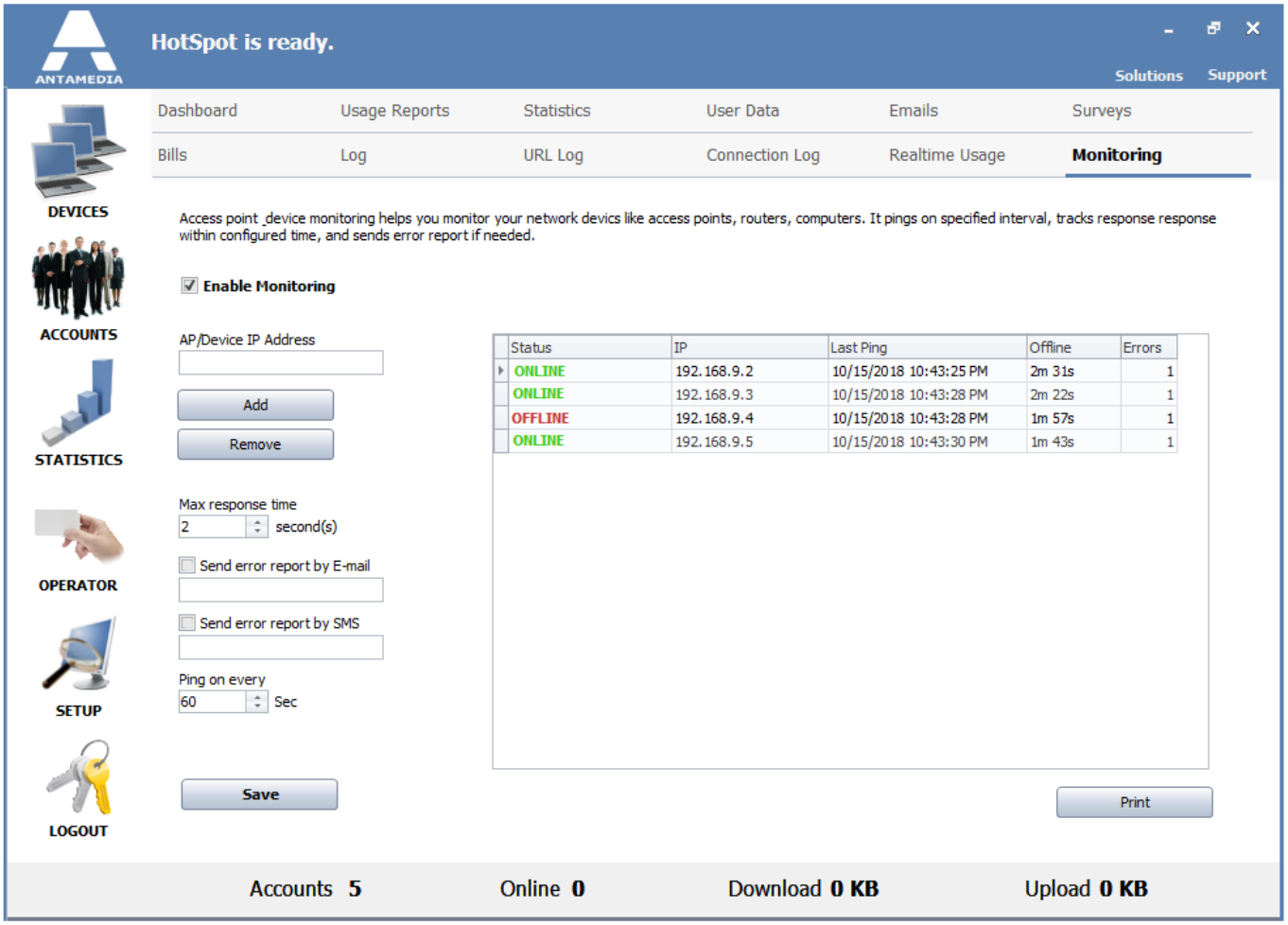


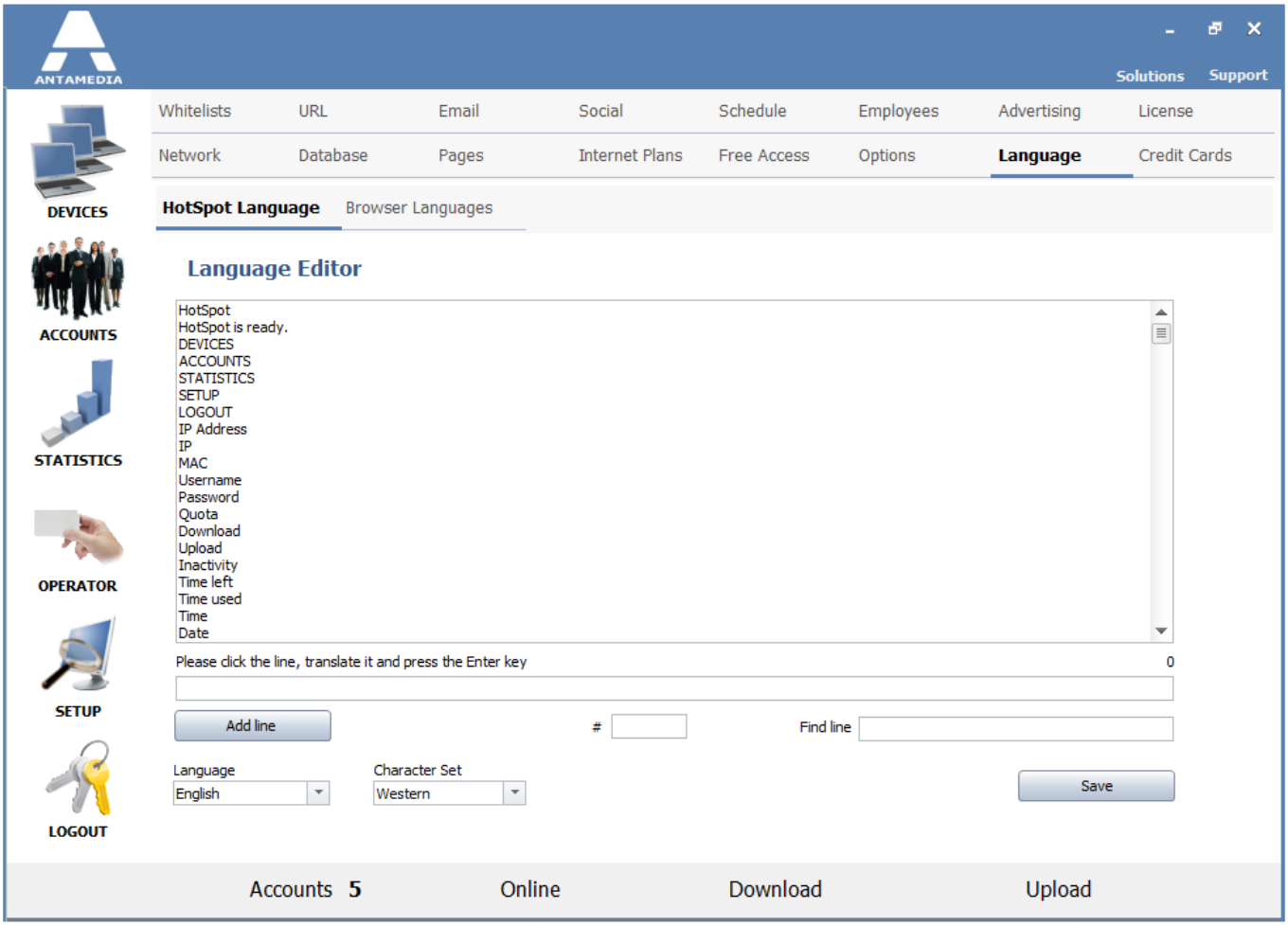
Each device is monitored and it's status displayed on screen. If a device is offline, you can see offline duration as well as number of pings without response. An error report is sent on 10th ping error. You can configure ping interval to suite your requirements.s

24 Language Editor

There are plenty of languages included in HotSpot software. Each of these languages can be adjusted to your own needs through integrated editor. Some of the included languages are: English, Spanish, Portuguese, French, Serbian, Arabic, Russian, Icelandic, Swedish, Danish, Greek, Croatian, German, Polish...

To modify the existing translation file or create completely new, please follow these steps:

1. Go to HotSpot - Setup - Language - HotSpot Language page
2. Click on a line you wish to modify and it will appear in edit field below
3. Type a new text
4. Press Enter key and new line will be stored in HotSpot
5. Repeat the steps 2-4 for all the sentences you want to translate
6. When you finish, press **Save** button
7. Type the new name for translation file and press Save button in dialog



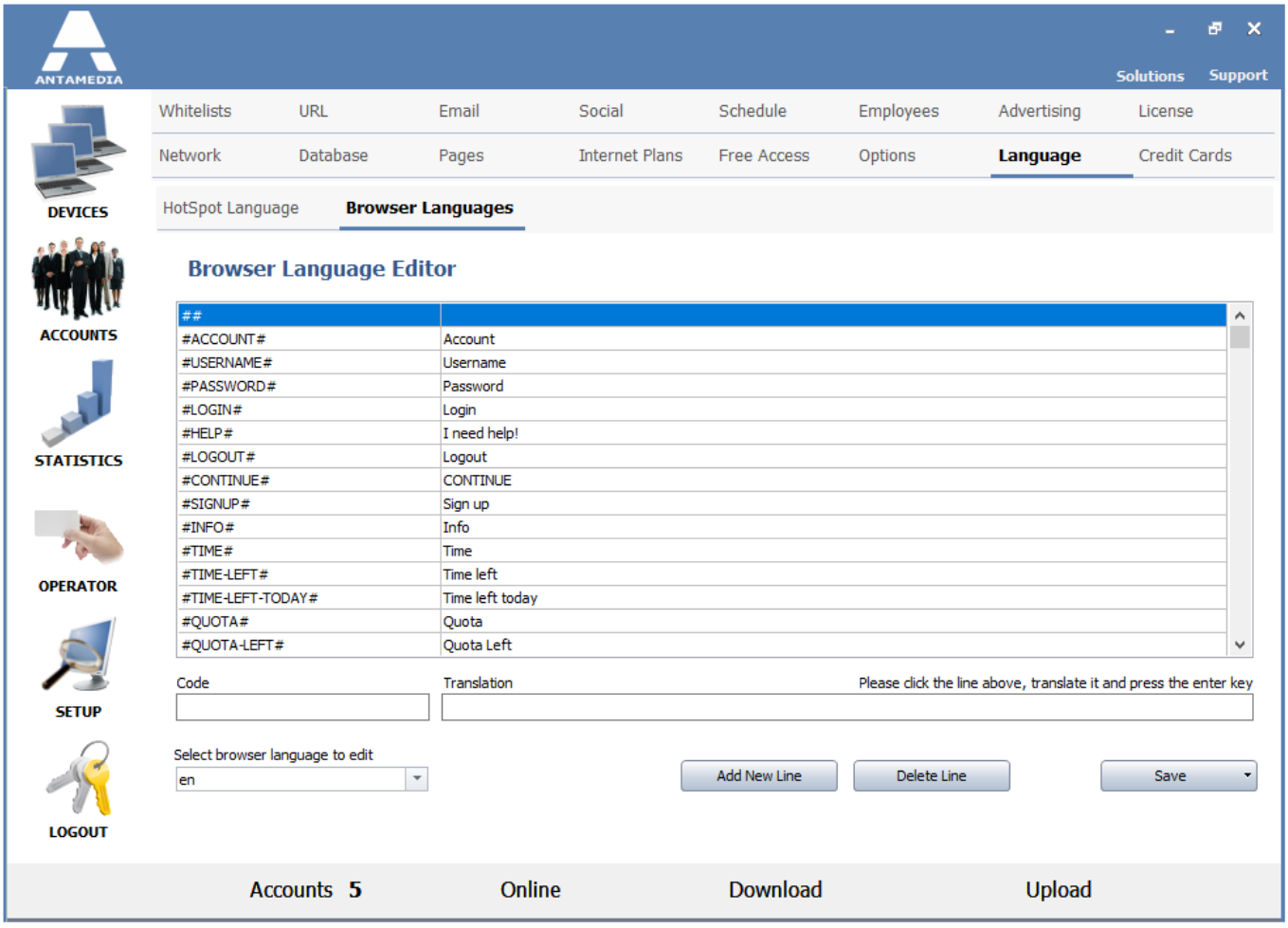
Hotspot has the ability to automatically translate its web pages (login page, welcome, help etc.) in real-time, based on the predefined language in the customer browser. Currently supported languages are English, Spanish and Serbian, you can easily create a new translation or modify existing using these steps:

1. Go to HotSpot - Setup - Language - Browser Language page
2. Click on a line you wish to modify and type a new text in **Translation** field
3. Press Enter key and new line will be stored
4. Repeat the steps 2-4 for all the sentences you want to translate

5a. If you want to modify language file, click **Save** button

5b. If you want to create new translation, click on the arrow beside **Save** button and select **Save as new language**

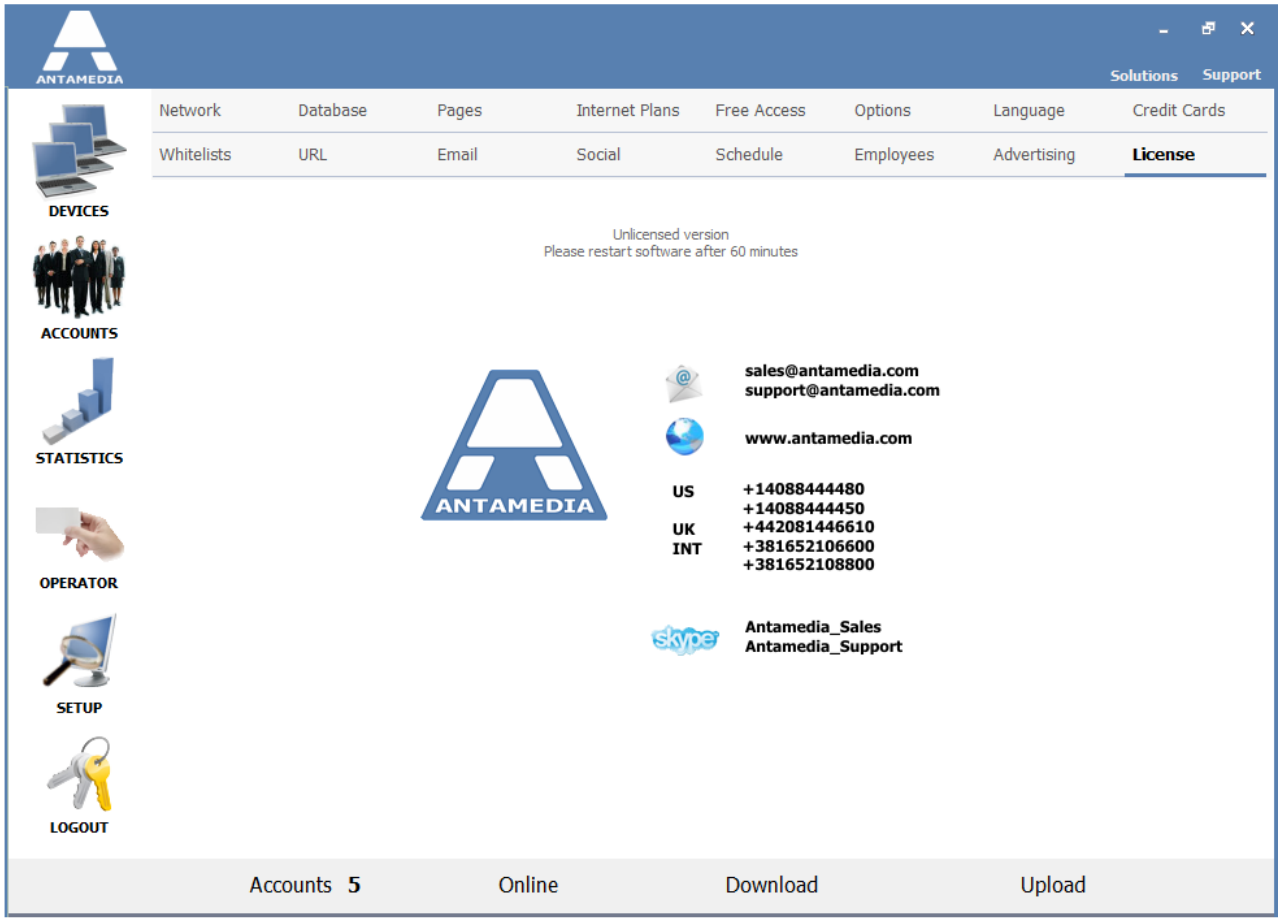
6. Type the ISO abbreviation for language and press **Ok** button in dialog



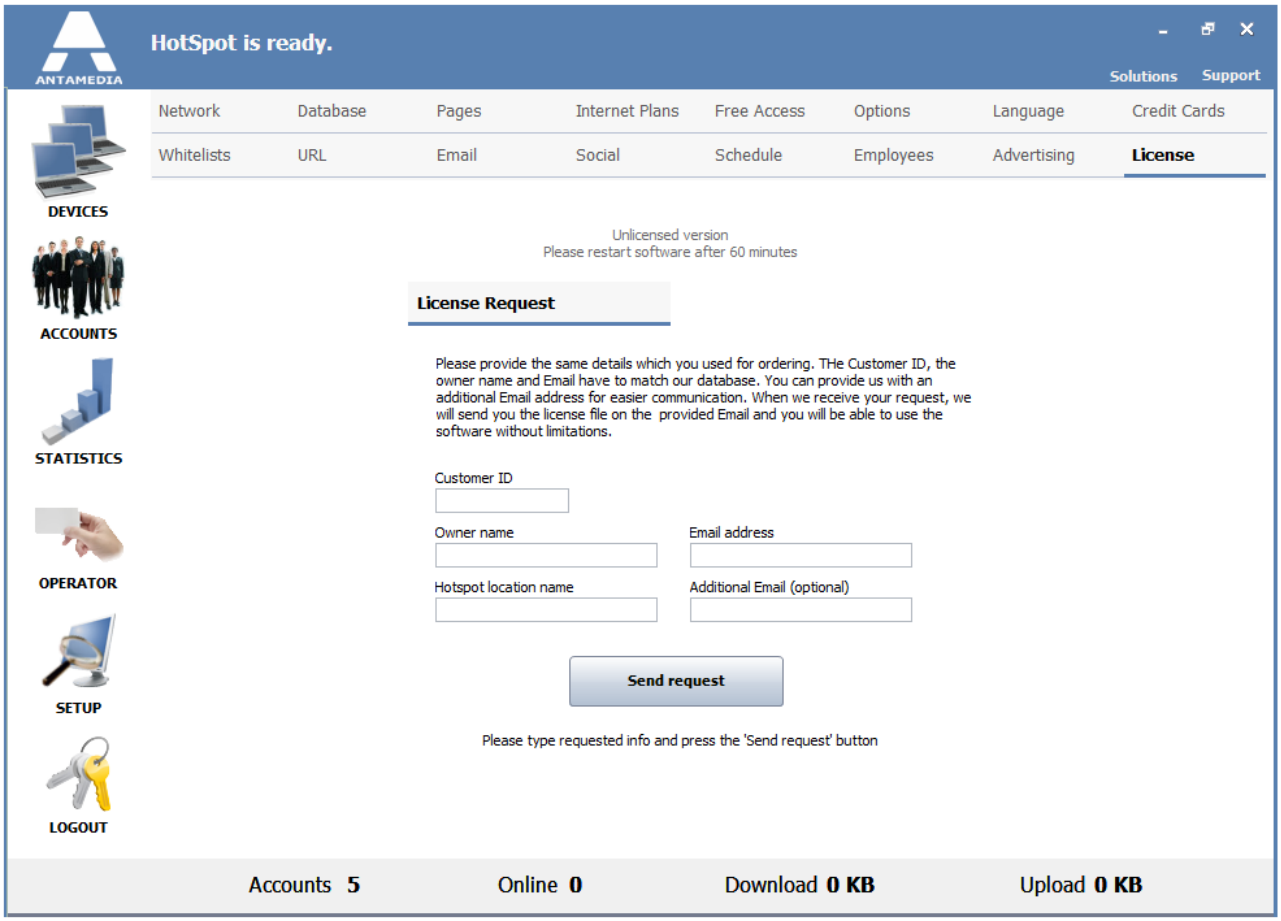
25 Licensing

After ordering software from our site http://www.antamedia.com/buy/hotspot/ you will receive confirmation e-mail and informations about your Customer ID.

Go to HotSpot - Setup - License page. Click on Antamedia logo located in the center of the page



Fill in all required fields and click on 'Send Request' button



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