

GUESTLAN ADMINISTRATOR GUIDE

Draft Version 1.0
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1. GuestLAN Overview

Congratulations of your purchase of the GuestLAN. GuestLAN is a piece of software that manages the internet access of all users connected to the network. GuestLAN allows you to define and keep track of each user's internet access, and the IP of each machine.

1.1 GuestLAN Features

Abilities of the GuestLAN system accessible through the administrator include:

1. Provides access restriction to high speed internet to all users
2. Define internet access parameters for all users
3. View parameters of all registered users
4. Built-in DHCP capabilities automatically assigns IP addresses to users
5. Monitor all active IP addresses currently use.
6. Deactivate any internet connection by user name or IP address at any instant
7. View the automatically generated daily report, containing revenues generated if you decide to charge users for internet access.
8. Static IP and VPN support

2. GuestLAN Management

GuestLAN is administered through the GuestLAN Manager. The Manager is accessed on a server via a web-browser, by typing in *http://<server IP address>/management*. This will bring up the GuestLAN Manager login window.

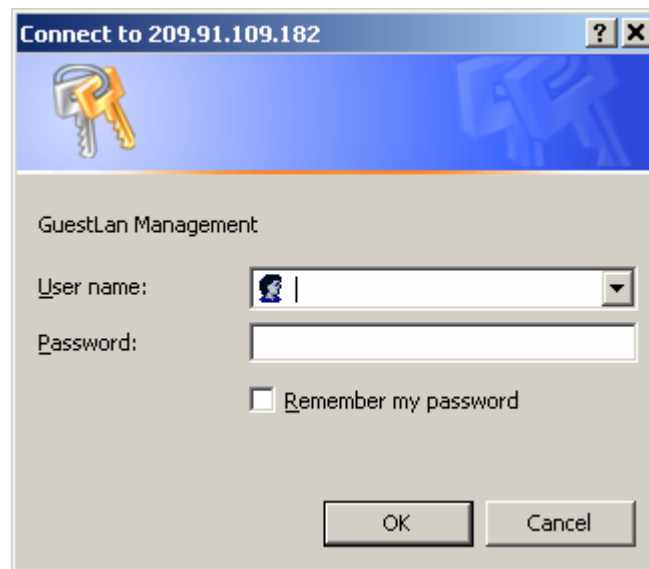


Figure 1 GuestLAN Manager Login Window

To login, type in the administrator user name and password and click **OK**. This will bring you to the GuestLAN Manager Account Status Window.

Description	User Name	Re-Login	Grace Period	Price	Status	Active IP (MAC) (Assigned)	Until	Auto Check-Out
General User	dtse	23:59	15	5	I/A	192.168.1.101 (00:08:54:87:73:38)	16/5/2003 23:59	Disabled
General User	james	23:59	10	5	I/D			Disabled
General User	kitty	23:59	10	5	I/A	192.168.1.123 (00:00:29:0F:69:3B)	16/5/2003 23:59	Disabled
General User	lynn	23:59	10	5	I/D			Disabled
General User	raymond	60	10	6	I/A	192.168.1.102 (00:50:BF:EB:F4:88)	16/5/2003 14:47	Disabled
General User	victoriaeung	23:59	10	5	I/A	192.168.1.115 (00:CD:AB:F3:25:EB)	16/5/2003 23:59	Disabled
Guest	eric	30	5	3	O/D			
Guest	ryan	23:59	10	5	I/A	192.168.2.31 (00:50:04:A2:73:30)	16/5/2003 23:59	Disabled
Guest	victor	30	5	3	O/D			
Half Hour User	user30	30	3	5	I/A	192.168.1.116 (00:00:29:0F:3F:FA)	16/5/2003 14:55	Disabled
One Hour User	user60	60	6	10	I/D			Disabled
Two Hour User	user120	120	10	20	I/D			Disabled

Figure 2 GuestLAN Manager Account Status Window

There are several functions available in GuestLAN Management. They include:

- Viewing current status of user accounts
- Creating/deleting and defining user accounts
- Activating/Deactivating any user's internet access
- Enabling/Disabling any existing IP addresses
- Changing the system clock
- Viewing daily balance sheets of internet access

Each of these will be described in more detail below.

2.1 Viewing Account Status

Account status shows the information of each user registered in the system. It is the default window the GuestLAN Manager goes to after login. Account Status can also be viewed by clicking on the Account Status hyperlink near the top.

The Account Status window displays all users' information in the form of a table. Each row represents a registered user account, either logged in to the system or not. Each user account will have the following information displayed on this window, are described in the table below.

Table 1 Information described in Account status window

Description	A description of the user. It has no bearing on the essential parameters of the account.
User Name	User name of the account
Re-logon	It denotes the time limit of the user in which GuestLAN will terminate the internet connection. If a number is present, it basically indicates the amount of time in minutes the user has every time he/she logs on to GuestLAN. If a time is present, it indicates the time at which GuestLAN terminates the network connection.
Grace Period	The maximum extra amount of time in minutes a user has after his/her time limit is reached. The grace period will automatically kick in if the user is still actively using the internet.
Price	The amount of money in dollars the user is charged every time the user logs into GuestLAN.
Status	Network status of the user. There are two status conditions: <ul style="list-style-type: none"> ▪ Check-in/Activated – user has logged on to the network ▪ Check-out/deactivated – user hasn't logged on to the network
Active IP (MAC) (Assigned)	The IP address the user's connection is using at the moment. Below in brackets is the MAC address of the device being connected.
Until	The date and time at which GuestLAN will terminate the user's network connection
Auto Check-out	This option allows GuestLAN to automatically deactivate the account once the time limit is up. By default, this option is disabled and GuestLAN allows users to re-login after the time limit is up. GuestLAN records the new log in.

2.2 *Creating/Deleting and Defining Network User Accounts*

Click on the Account Management hyperlink at the top of the window to access the User Account Management window, shown below.

User Account Management						
Description	User Name	Re-Login	Grace Period	Price	Change	Add / Delete
General User	dtse	23:59	15	5	Change	Delete
General User	james	23:59	10	5	Change	Delete
General User	kitty	23:59	10	5	Change	Delete
General User	jenn	23:59	10	5	Change	Delete
General User	raymond	60	10	6	Change	Delete
General User	vitorlaung	23:59	10	5	Change	Delete
Guest	eric	30	5	3	Change	Delete
Guest	ryan	23:59	10	5	Change	Delete
Guest	vitor	30	5	3	Change	Delete
Half Hour User	user30	30	3	5	Change	Delete
One Hour User	user60	60	6	10	Change	Delete
Two Hour User	user120	120	10	20	Change	Delete
						Add

Figure 3 User Account Management Window

It displays the description, user name, re-logout, grace period and price of each user. The administrator may change the description, re-logout time, grace period and price of any user. To do so, type in the new settings in the data fields for the user and click the corresponding **Change** button in the Change column.

To create a user account, go to the empty entry at the bottom of the list. Type in the user name, description, re-logout, grace period, price information in the corresponding data fields. Click **Add** on the far right to create the account. Note that the user must be then activated prior to use.

Any existing account can be deleted by clicking on its corresponding **Delete** button on the rightmost column. Beware that GuestLAN will not ask the administrator for confirmation and will delete the account immediately after the delete button is clicked.

2.3 Activating/Deactivating an User Account

For any account, it must be activated before any user can log in to GuestLAN and gain internet access. Click on the Guest Check-in hyperlink to arrive at the Guest Check-In window.

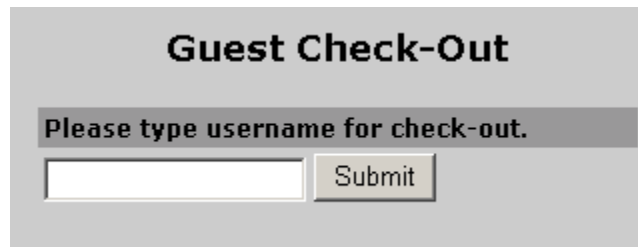
Guest Check-In

Please type username for check-in.

Figure 4 Guest Check-In window

Type in the account's user name and click **Submit** to activate the account. Once the account is activated, the user can log in and use the network.

Similarly, any account can be deactivated at any moment. Once the account has been deactivated, no user can log in to GuestLAN using that account. Click on the Guest Check-Out hyperlink to arrive at the Guest Check-Out Window.



Guest Check-Out

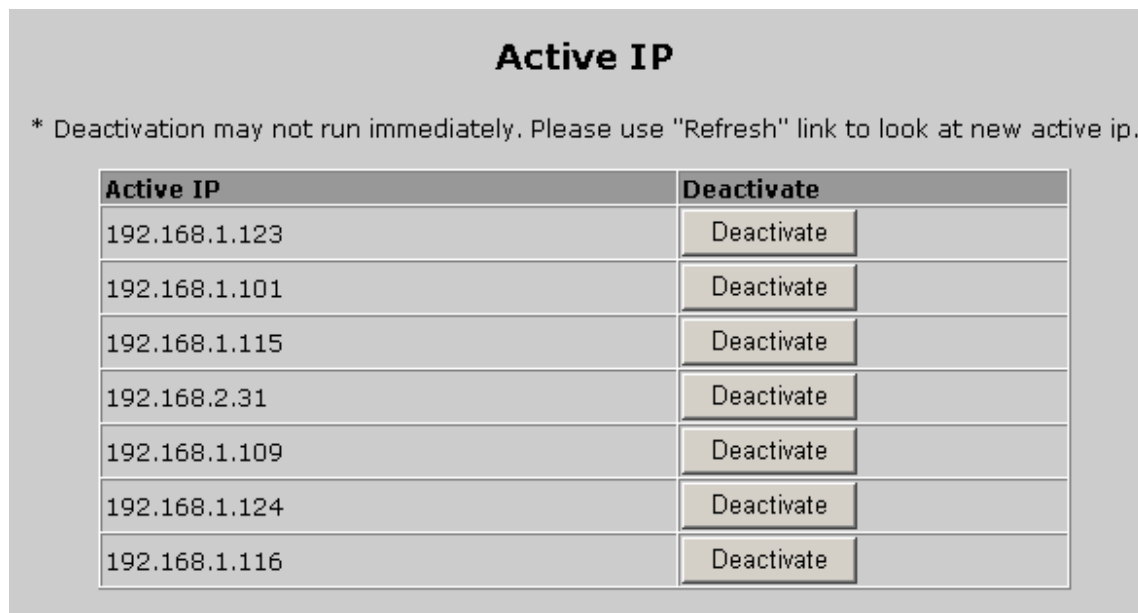
Please type username for check-out.

Figure 5 Guest Check-Out Window

Type in the account's user name and click **Submit** to deactivate the account.

2.4 Enabling/Disabling existing IP address

The GuestLAN server contains a DHCP server that dynamically assigns an IP address every time a user logs into the network. Clicking on the Active IP hyperlink brings the administrator to the Active IP window. On display is a list of all active IP addresses that are in use by the system.



Active IP

* Deactivation may not run immediately. Please use "Refresh" link to look at new active ip.

Active IP	Deactivate
192.168.1.123	<input type="button" value="Deactivate"/>
192.168.1.101	<input type="button" value="Deactivate"/>
192.168.1.115	<input type="button" value="Deactivate"/>
192.168.2.31	<input type="button" value="Deactivate"/>
192.168.1.109	<input type="button" value="Deactivate"/>
192.168.1.124	<input type="button" value="Deactivate"/>
192.168.1.116	<input type="button" value="Deactivate"/>

Figure 6 Active IP Window

The administrator can deactivate any IP address in use by clicking the corresponding **Deactivate** button. The IP address will then be removed from the Active IP list. This function allows you to immediately break the IP link if any trouble arises.

2.5 Viewing the Daily Report

Clicking on the Daily Report hyperlink will bring the administrator to the Daily Report window.

Daily Report

From: Day Month Year
 To: Day Month Year

Report Date: 16/05/2003

User Name	Time	Price
kitty	16/5/2003 08:25	\$5.00
victorleung	16/5/2003 08:47	\$5.00
user120	16/5/2003 09:34	\$20.00
dtse	16/5/2003 09:38	\$5.00
raymond	16/5/2003 09:42	\$6.00
raymond	16/5/2003 11:11	\$6.00
user30	16/5/2003 12:00	\$5.00
ryan	16/5/2003 12:05	\$5.00
raymond	16/5/2003 12:32	\$6.00
user30	16/5/2003 12:37	\$5.00
raymond	16/5/2003 13:47	\$6.00
user30	16/5/2003 14:25	\$5.00
user120	16/5/2003 14:56	\$20.00
user60	16/5/2003 15:02	\$10.00
raymond	16/5/2003 15:05	\$6.00

Total for 16/05/2003 : \$115.00

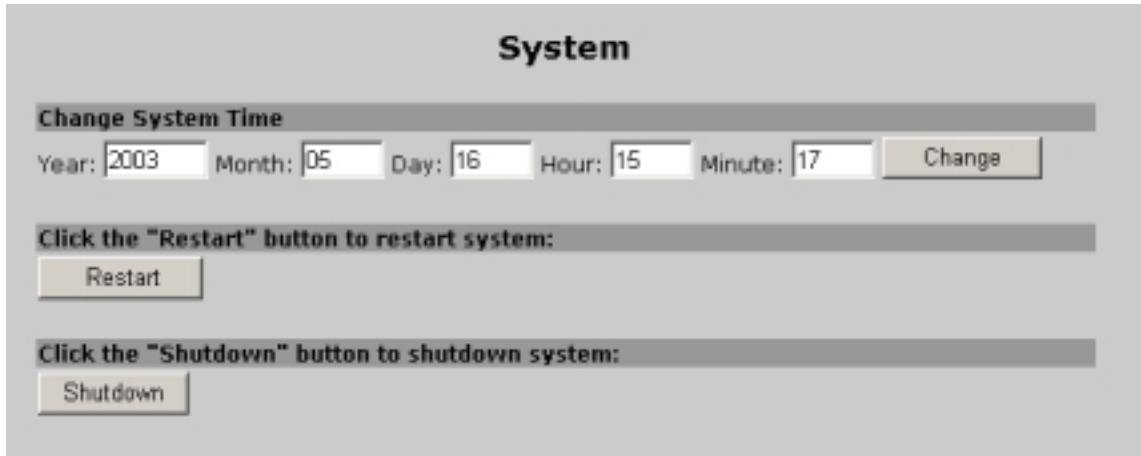
Figure 7 Daily Report Window

The administrator can choose to view the daily report(s) of any time frame the server has been in operation by typing in the start and end dates in the From and To dates respectively. Click **Submit** to view the daily reports.

A report for each day gives a list of users that has logged onto GuestLAN that day in the form of a table. The report gives the user name, the time that user logged on to GuestLAN and the price charged to the user for logging on. The total revenue generated via the GuestLAN service is calculated and presented just below the table as seen in the above figure. If the administrator selects a time frame of more than one day, a number of tables will be displayed, corresponding to each day of operation.

2.6 Changing System Clock

Clicking on the System hyperlink will bring up the System window.



The screenshot shows a window titled "System". It contains three main sections:

- Change System Time:** A section with five input fields for Year (2003), Month (05), Day (16), Hour (15), and Minute (17), followed by a "Change" button.
- Click the "Restart" button to restart system:** A section with a "Restart" button.
- Click the "Shutdown" button to shutdown system:** A section with a "Shutdown" button.

Figure 8 System Window

This window is very straight-forward. To change the system clock, type in the new date and time in the Change System Time date fields and click on **Change**. Note that GuestLAN uses a 24-hour clock.

By clicking **Restart**, GuestLAN will reboot. Users will temporarily lose their network connection during the reboot process. All active IP addresses are retained and will be restored upon re-initialization. User connection thus will be restored automatically. By clicking **Shutdown**, the GuestLAN system will safely shut down and deactivate. This allows the safe transport or maintenance of the server hardware.