

# Configuring Multi-Tenancy in Nagios Log Server 2024

## How Multi-Tenancy Works

Multi-Tenancy works by assigning which hosts a user is allowed to see in the Nagios Log Server interface. Hosts can also be placed in a host list and then applied to the users who will be allowed access.



API users and administrators will be able to work around any restrictions placed on them, this functionality only applies for regular users.

## Host List Management

Placing hosts in a host list is a preferred method of granting access, as it allows easier management of hosts as you are simply able to add and remove hosts from the list and these will automatically be applied to all host objects.

1. To create a Host list, go to Admin > Management > Host List Management.

The screenshot shows the Nagios Log Server Admin interface. The top navigation bar includes links for Home, Dashboards, Reports, Alerting, Configure, Help, and Admin (which is circled in blue). A search bar for logs is also present. The left sidebar contains a 'Management' section with 'Host List Management' circled in blue. The main content area is titled 'Host Lists' and includes a '+ New Host List' button. Below this is a table with columns 'Name', 'Hosts', and 'Actions'. The table currently shows 'There are no host lists defined.'

2. Click the + New Host List button to create a new list.

## Add a Host List

Name

Selected Hosts

10.25.5.187  
10.25.5.188  
2001:44b8:3132:25:10:25:5:185  
2001:44b8:3132:25:10:25:5:186

Known Hosts

0:0:0:0:0:0:0:1 (localhost)  
10.25.5.187 (xi-d9x-x86.box293.local)  
10.25.5.188 (xi-d9x-x64.box293.local)  
10.25.5.11 (xi-c6x-x86.box293.local)  
2001:44b8:3132:25:10:25:5:185 (xi-d8x-x86.box293.local)  
2001:44b8:3132:25:10:25:5:186 (xi-d8x-x64.box293.local)



This brings up the Add a Host List window.

- You can add hosts that Nagios Log Server already knows about by using the Known Hosts list field. Just click on each hostname/IP and it will be added to the Selected Hosts field.
- You can also manually add hosts by populating additional entries with one IP address per line.
- Click the Submit button to create the host list.

## Host Lists

Configure host whitelists for multitenancy. To use these lists, edit a user and assign them one or more host lists. Their dashboards and alerts will be limited to the hosts in their assigned lists.

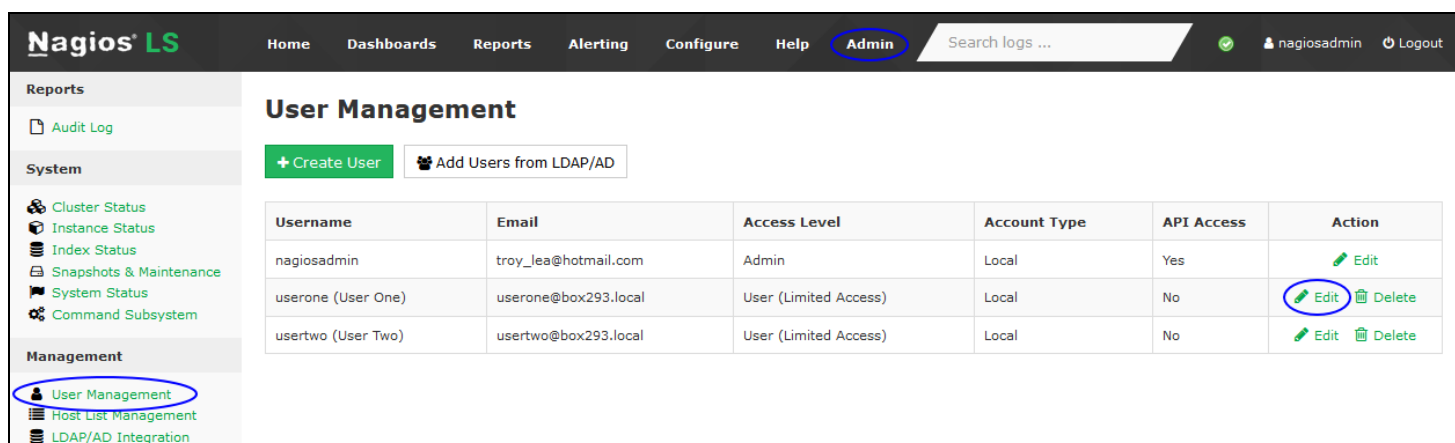
[+ New Host List](#)

Name	Hosts	Actions
All Debian Servers	10.25.5.187, 10.25.5.188, 2001:44b8:3132:25:10:25:5:185, 2001:44b8:3132:25:10:25:5:186	 






6. The new list will appear in the table once created. You can use the edit icon in the Actions column to make changes to the list or use the delete icon to remove it.

## User Permission Management




1. To assign hosts or host lists to user accounts navigate to Admin > Management > User Management.
2. Locate the user you wish to apply permissions to and click the Edit button. Please refer to the screenshot on the following page.



The screenshot shows the Nagios LS web interface. The top navigation bar includes links for Home, Dashboards, Reports, Alerting, Configure, Help, and Admin (which is circled in blue). A search bar for logs is also present. The left sidebar shows a tree view with 'User Management' circled in blue. The main content area is titled 'User Management' and contains a '+ Create User' button and an 'Add Users from LDAP/AD' button. Below these is a table with columns: Username, Email, Access Level, Account Type, API Access, and Action. The table lists three users: nagiosadmin, userone (User One), and usertwo (User Two). The 'Edit' button for 'userone' is circled in blue.

Username	Email	Access Level	Account Type	API Access	Action
nagiosadmin	troy_lea@hotmail.com	Admin	Local	Yes	 Edit
userone (User One)	userone@box293.local	User (Limited Access)	Local	No	 Edit  Delete
usertwo (User Two)	usertwo@box293.local	User (Limited Access)	Local	No	 Edit  Delete

## Edit User · userone

 Details
 External Authentication
 Permissions

3. Click the the Permissions tab on the Edit User page to view the permission settings.

### Restrict Host Visibility

Create a whitelist of visible hosts for non-API users.

#### Host Lists

Restricted Firewalls

#### Selected Host Lists

All Debian Servers

Select any additional hosts from the menu to the left, or enter their IP addresses manually on the right.

#### Known Hosts

0:0:0:0:0:0:1 (localhost)  
10.25.5.187 (xi-d9x-x86.box293.local)  
10.25.5.188 (xi-d9x-x64.box293.local)  
10.25.5.11 (xi-c6x-x86.box293.local)  
2001:44b8:3132:25:10:25:5:185 (xi-d8

#### Additional Hosts

IP Addresses only, one per line

4. Locate the Restrict Host Visibility section. You can either select host lists or directly assign hosts to a user.

5. Once added, this combined host list acts as a WHITELIST for the user. A filter will be applied to any dashboard they view, or to any query-based alert they create.

6. Click the Save User button to save these updated permissions.

This completes the steps required to limit what a user can access in Nagios Log Server.