

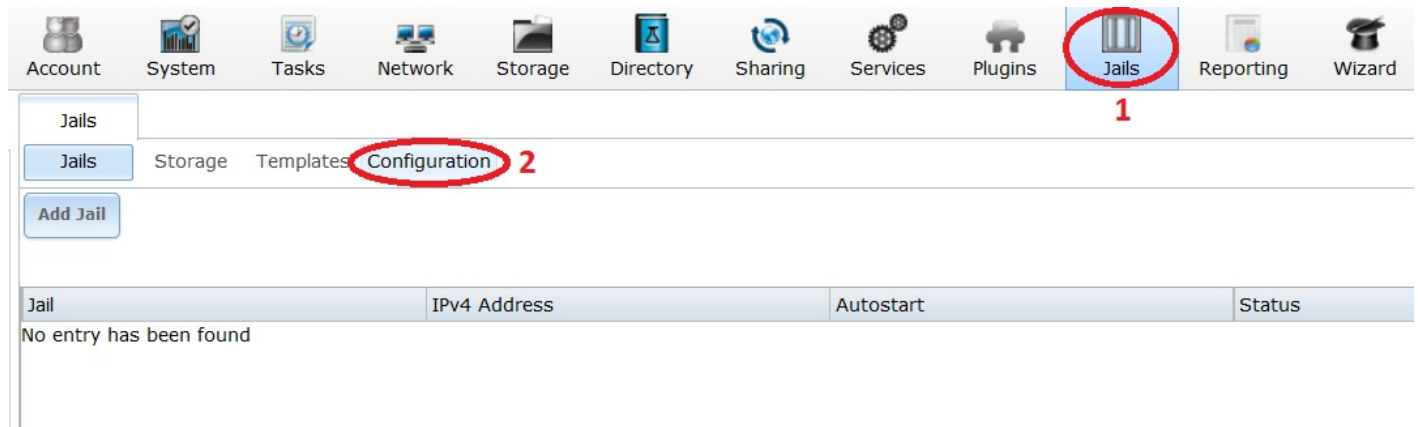
Table of Contents

Global Configuration of Jails 1

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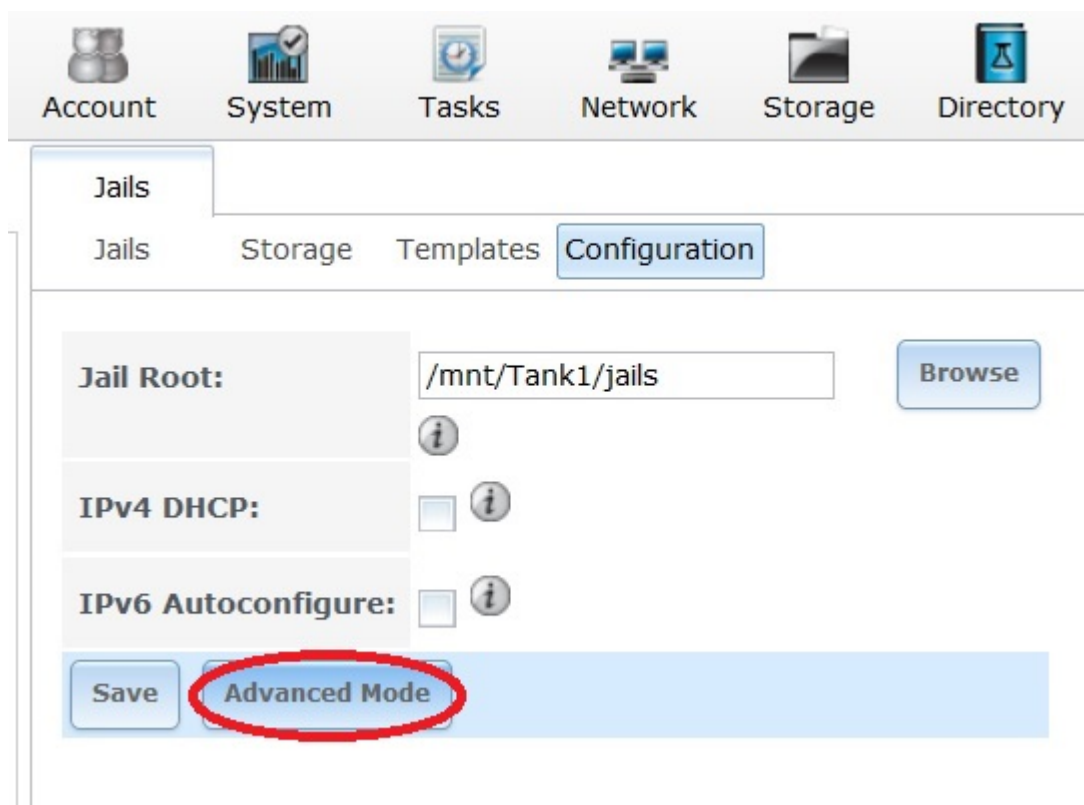
Before setting up any plugins on the server we must first configure the global settings for all Jails.

Go to the "Jails" page (1) and click on the "Configuration" button (2).



The screenshot shows the Jails configuration page. The top navigation bar includes icons for Account, System, Tasks, Network, Storage, Directory, Sharing, Services, Plugins, Jails (circled in red with a red '1'), Reporting, and Wizard. Below the navigation bar, the 'Jails' sub-menu is active, and the 'Configuration' option is circled in red with a red '2'. The main content area shows a table with columns for Jail, IPv4 Address, Autostart, and Status, with the message 'No entry has been found' below it.

There is no need to change anything here, just click the "Advanced Mode" button.



The screenshot shows the Jails configuration page in 'Advanced Mode'. The top navigation bar includes icons for Account, System, Tasks, Network, Storage, and Directory. Below the navigation bar, the 'Jails' sub-menu is active, and the 'Configuration' option is selected. The main content area shows the 'Jail Root' field set to '/mnt/Tank1/jails' with a 'Browse' button. The 'IPv4 DHCP' and 'IPv6 Autoconfigure' options are unchecked. The 'Advanced Mode' button is circled in red.

In advanced mode we can now control the IP address range available to the jail/s. This is important because we want the IP address range to be separate and outside the IP address range of the DHCP server in the router. Jails did not work properly for me until I did this.

Type into the "IPv4 Network Start Address:" text box (1) the beginning of the IP address range for the

Jails (in Fester's case this is 192.168.0.9, this keeps the Jails away from the IP addresses assigned to the server's NICs which are 192.168.0.5 - 192.168.0.8).

Now type into the "IPv4 Network End Address:" text box (2) the end of the IP address range for the Jails (in Fester's case this is 192.168.0.49, the end IP address of the range we set aside in the router).

Now click the "Save" button (3).

Fester does not use IPv6 addresses so this does not need configuration.

The screenshot shows the 'Configuration' tab for Jails. The 'IPv4 Network Start Address' field contains '192.168.0.9' and is marked with a red '1'. The 'IPv4 Network End Address' field contains '192.168.0.49' and is marked with a red '2'. The 'Save' button at the bottom left is circled in red and marked with a red '3'. Other fields include 'Jail Root' (/mnt/Tank1/jails), 'IPv4 DHCP' (unchecked), 'IPv4 Network' (192.168.0.0/24), 'IPv6 Autoconfigure' (unchecked), 'IPv6 Network', 'IPv6 Network Start Address', 'IPv6 Network End Address', and 'Collection URL' (http://download.freenas.org).

That's global configuration of the Jails done.

Next we need to install some plugins into the Jails.

Incidentally you are not confined by the plugins on offer in FreeNAS. It is technically possible to configure programs that work in FreeBSD so they will work in FreeNAS Jails. This requires a lot of manual configuration and probably some things Fester is completely unaware of at present. You will also need a good knowledge of FreeBSD commands and UNIX permissions in order to work this way. It offers a great deal of flexibility but is not easy.

Plugins however, are designed so that you can do everything you need from within the FreeNAS GUI.

Fester uses the supplied plugins in FreeNAS as I don't know enough at present to install and compile programs by hand for Jails.

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Last update: **2016/06/10 14:11**

