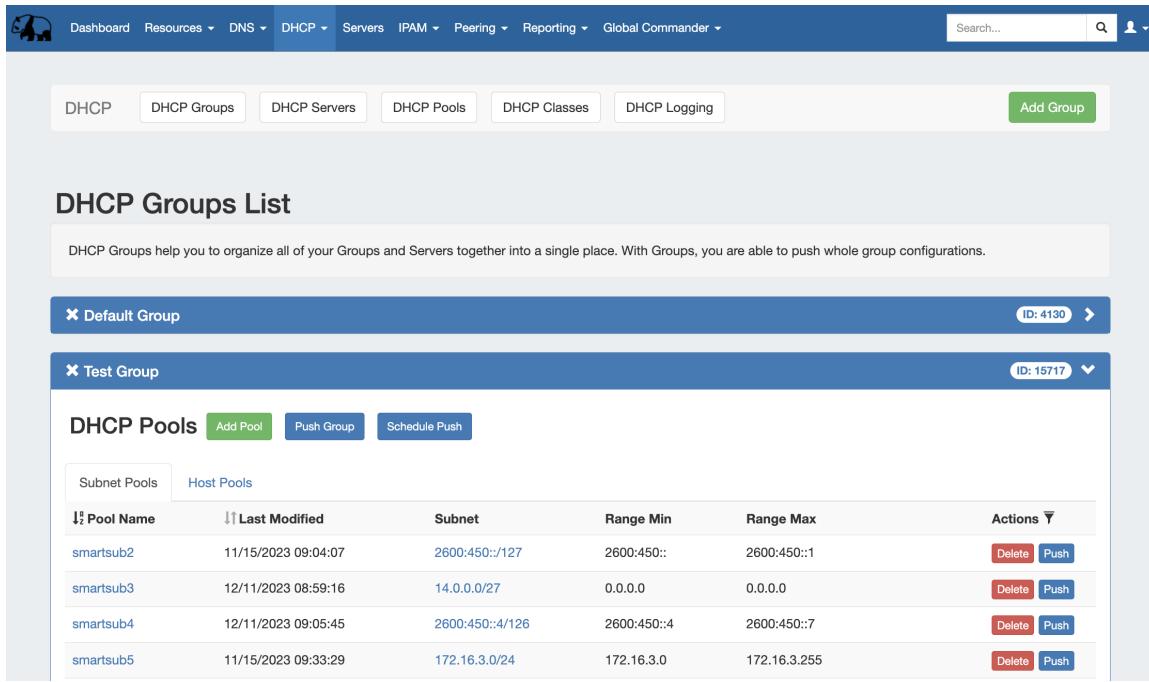


# DHCP Tab

## The DHCP Tab

The **DHCP** Tab combines server management, group organization, and pool management under one tab.



The screenshot shows the ProVision interface with the navigation bar at the top. The 'DHCP' tab is selected. Below it, there are five sub-tabs: 'DHCP', 'DHCP Groups', 'DHCP Servers', 'DHCP Pools', 'DHCP Classes', and 'DHCP Logging'. A green 'Add Group' button is located on the right. The 'DHCP Groups List' section contains a message: 'DHCP Groups help you to organize all of your Groups and Servers together into a single place. With Groups, you are able to push whole group configurations.' Below this, two groups are listed: 'Default Group' (ID: 4130) and 'Test Group' (ID: 15717). Each group has its own sub-table. The 'Default Group' table shows Subnet Pools with rows for smartsub2, smartsub3, smartsub4, and smartsub5. The 'Test Group' table shows Host Pools with rows for smartsub2, smartsub3, smartsub4, and smartsub5.

The **DHCP** tab contains five sub-tabs: **DHCP Groups**, **DHCP Servers**, **DHCP Pools**, **DHCP Classes**, and **DCHP Logging**.

The **DHCP Groups** tab is where DHCP servers and pools are managed as a part of DHCP groups. The **DHCP** tab **DHCP Groups List** allows you to create, view, and manage groups of DHCP servers and pools. Using groups, you can configure and push selected combinations of pools at one time.

The **DHCP Servers** tab is only accessible to Admin users, and contains functions for adding, updating, and managing DHCP servers as well as scheduling server tasks. For Admin-level DHCP tasks, see [Working with DHCP Servers](#).

The **DHCP Pools** tab lists all the pools created in ProVision able to be viewed by the user, in the same format as on the **DHCP Groups** page, but without the group organization. The Pool List allows you to view, add, delete, and push individual DHCP Host and Subnet Pools. Under a pool, you may specify and update IP assignments, ranges, reservations and optionally set BOOTP Vendor Extensions / DHCP Options to send to the DHCP server.

The **DHCP Classes** tab lists all the classes created in ProVision able to be viewed by the user. The Class List allows you to view, add, and delete DHCP Classes.

The **DHCP Logging** tab provides a link to ProVision's logging system, where you can filter to view DHCP-only logs.

- The **DHCP Tab**
  - Permissions
    - **DHCP Approvals**
    - Additional Information

## Permissions

DHCP Management integrates with the resource and permissions hierarchy, as well as the IP Management system. Individual DHCP servers can be assigned via resource permissions to different internal user groups, to be managed by only the appropriate parties.

## DHCP Approvals

The Approvals module stores and queues DHCP actions made by selected User Groups, and sends those actions to a Pending Changes list for administrative review. Later, an administrator (or combination of administrators) can approve or reject these stored actions.

Approvals is primarily set up and managed via the Admin [Approvals](#) Tab. See the [Admin Guide - Approvals Tab](#) for details on setting up and using Approvals from the Administrative viewpoint.

In the [DHCP](#) Tab, a "Resources Awaiting Approval" module will display near the top of DHCP Groups, DHCP Servers, DHCP Pools Lists, and DHCP Pool pages, if a change has been submitted on that page that is pending approval.

The screenshot shows the DHCP Server List interface. At the top, there is a navigation bar with tabs: DHCP, DHCP Groups, DHCP Servers (which is selected), DHCP Pools, DHCP Classes, and DHCP Logging. There is also a green 'Add Server' button. Below the navigation bar, the title 'DHCP Server List' is displayed, followed by a subtitle 'Resources Awaiting Approval'. This section contains a table with three rows, each representing a pending change:

Approval Action	Name	Resource Data	Approval Info	Actions
Delete	Test Server 1	<a href="#">Details</a> DHCP Service : ISC	Submitter : test3@6connect.com	<a href="#">Approve</a> <a href="#">Reject</a>
Push	QA DHCP VM	<a href="#">Details</a> DHCP Service : ISC	Submitter : test3@6connect.com	<a href="#">Approve</a> <a href="#">Reject</a>

Below this, another table titled 'DHCP Server List' displays a list of configured servers:

Server Name	Server Backend	Server Host	Parent Resource	Actions
QA DHCP VM	ISC	test-tools.6clabs.com	TLR	<a href="#">Delete</a> <a href="#">Push</a> <a href="#">Perms</a>
Test Server 1	ISC	test.com	QA Test Resource 2	<a href="#">Delete</a> <a href="#">Push</a> <a href="#">Perms</a>
Approvals Test Server	ISC	test.com	TLR	<a href="#">Delete</a> <a href="#">Push</a> <a href="#">Perms</a>
Centos DHCP Managed DHCP	PVDHCPMYSQ	empty-centos1.6clabs.com	Centos DHCP	<a href="#">Delete</a> <a href="#">Push</a> <a href="#">Perms</a>

Users who submitted a change for approval will see the details of their change request in this module.

Admin users with permissions to approve or reject the request will have the option to Approve or Deny the change.

## Additional Information

See the following sections for detail on working within the DHCP Tab:

- [Working with DHCP Groups](#)
- [Working with DHCP Pools](#)
- [Working with DHCP Classes](#)
- [Working with DHCP Gadgets](#)