

DHCP Tab

The DHCP Tab

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

Pool Name	Last Modified	Subnet	Range Min	Range Max	Actions
smartsub2	11/15/2023 09:04:07	2600:450::/127	2600:450::	2600:450::1	Delete Push
smartsub3	12/11/2023 08:59:16	14.0.0.0/27	0.0.0.0	0.0.0.0	Delete Push
smartsub4	12/11/2023 09:05:45	2600:450::4/126	2600:450::4	2600:450::7	Delete Push
smartsub5	11/15/2023 09:33:29	172.16.3.0/24	172.16.3.0	172.16.3.255	Delete Push

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

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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.

DHCP

DHCP Groups

DHCP Servers

DHCP Pools

DHCP Classes

DHCP Logging

Add Server

DHCP Server List

Resources Awaiting Approval

Approval Action	Name	Resource Data	Approval Info	Actions
Delete	Test Server 1	Details DHCP Service : ISC	Submitter : test3@6connect.com	Approve Reject
Push	QA DHCP VM	Details DHCP Service : ISC	Submitter : test3@6connect.com	Approve Reject
Update	Test Server 11	Details DHCP Service : ISC	Submitter : test3@6connect.com	Approve Reject

Server Name	Server Backend	Server Host	Parent Resource	Actions
QA DHCP VM	ISC	test-tools.6clabs.com	TLR	Delete Push Perms
Test Server 1	ISC	test.com	QA Test Resource 2	Delete Push Perms
Approvals Test Server	ISC	test.com	TLR	Delete Push Perms
Centos DHCP Managed DHCP	PVDHCPMYSQL	empty-centos1.6clabs.com	Centos DHCP	Delete Push Perms

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