

DHCP Tab

The DHCP Tab

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

DHCP

DHCP Groups

DHCP Servers

DHCP Pools

DHCP Classes

DHCP Logging

Add Group

DHCP Groups List

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.

✕ Default Group ID: 4130

✕ Test Group ID: 15717

DHCP Pools

Add Pool Push Group Schedule Push

Subnet Pools Host Pools

| 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.

- 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.

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