

ProVision 6.1.0

ProVision 6.1.1 is a minor release with improvements and bug fixes.

(Version note: 6.1.0 was an internal release only, and incorporated into 6.1.1.)

Contact 6connect at info@6connect.com to schedule a demo or get more information.

New Features

DHCP Group Management (BETA)

This section of the DHCP Management Gadget allows you to create and manage DHCP Groups. DHCP groups help you to organize all of your Pools and Servers together into a single place, and push pools linked to a DHCP Group to all of the servers attached to that Group. It also allows for the designation of a DHCP Failover Peer for ISC BIND servers.

DHCP Management

+ Group Management

Add Group

DHCP Groups help you to organize all of your Pools and Servers together into a single place.

✕ Default Group (4103)

Push

Server Name	Server Backend	Server Status	Actions
7540 DHCP Module	ISC		Detach
7569 DHCP Module	ISC		Detach
7616 DHCP Module	ISC		Detach

Attach server :

Select Server

Attach

DHCP Failover peer name (ISC BIND Only) :

Save

✕ DHCP Group1 (7581)

Push

Server Name	Server Backend	Server Status	Actions
7540 DHCP Module	ISC		Detach
7569 DHCP Module	ISC		Detach

Attach server :

Select Server

Attach

DHCP Failover peer name (ISC BIND Only) :

Save

The walkthrough below is an abridged overview of the beta DHCP Groups feature. For detailed information, please see [DHCP Tab - Working with DHCP Groups](#) .

Step 1: Create DHCP Servers

Ensure that all necessary DHCP servers are created via the **DHCP Tab Add DHCP Server** button, ensuring that **Connection Configuration** is set. All DHCP servers listed under the DHCP tab will be available to select to attach to DHCP Groups (in the format of "ResourceID - DHCP Module").

Step 2: Create DHCP Groups

Select a DHCP server page with the DHCP Management Gadget from, and expand the Group Management section. Note: Any DHCP server page with the Management Gadget is fine to use, as the Group Management section will globally update to be the same in any DHCP Management Gadget.

A "Default Group" should be available immediately, or you can click the "Add Group" button to create a new DHCP Group. Type in the desired Group Name and select a Parent Resource for the Group, then click "Create Group".

+ Group Management

Add Group

Create Group

Group Name: Some DHCP Group

Parent Resource: TLR

Create Group

Your new Group will be available in the DHCP Management Gadget. To delete the DHCP Group, click the "X" next to the Group name.

Step 3: Attach DHCP Servers to Groups

All DHCP servers listed under the ProVision DHCP Tab will be available to select and attach to the Group. They are identified by their resource ID number, so if necessary, check the server's resource ID number in the resource information Gadget.

Select the desired server from the "Attach Server" selector, then click "Attach". The server is now attached to the group and available for pushes.

+ Group Management

Add Group

DHCP Groups help you to organize all of your Pools and Servers together into a single place.

✕ Default Group (7623) Push

Server Name	Server Backend	Server Status	Actions
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Attach server : 7569 DHCP Module Attach

DHCP Failover peer name (ISC BIND Only) : Save

Step 4: Identify Failover Peer (Optional - ISC Bind Only)

If a DHCP failover peer is configured for the server, enter the server name and click the "Save" button. In the event that the primary server fails to push, the push will be sent to the failover peer instead.

✕ Default Group (7623) Push

Server Name	Server Backend	Server Status	Actions
7569 DHCP Module	ISC		Detach

Attach server : Select Server Attach

DHCP Failover peer name (ISC BIND Only) : failover-server Save

Saved !

Step 5: Link Pools to DHCP Groups

From the Existing Pools list under the DHCP Pools section, click the Action Menu for the pool you wish to link to a DHCP Group. From there, click "Link to Group".

+ DHCP Pools

Linked Pools

No Linked DHCP Pools Found

Linked Group Pools

No Linked DHCP Pools Found

Existing Pools

6connectqa.com [Host]

aaQAEntry [Host]

aaQAEntry B [Host]

aaQAEntry C [Host]

Name ▾

Search

Name ▾

Search

Name ▾

Search

Link to Server

Link to Group

Delete Pool

If multiple DHCP Groups exist, a dialog will pop up for you to select the desired Group to link the pool to. Select the DHCP Group, then click "Confirm" to add the pool to the Group.

Step 6: Push the DHCP Group

Lastly, click the "Push" button for the DHCP Group to push the linked pool(s) for the Group to the linked DHCP Module, and then push all DHCP servers linked to the Group.

When pushing, a status box will appear to show status and any errors, if applicable.

✖ Default Group (7623)

Push

Server Name	Server Backend	Server Status	Actions
7569 DHCP Module	ISC		Detach

Attach server :

Select Server ▾

Attach

DHCP Failover peer name (ISC BIND Only) :

Save

While pushing, a status box will appear to show status and any errors, if applicable.

Additional Features / Improvements

CFR - 135 Optional RIR for IPAM Gadget Smart Assign

The RIR selector for the IPAM Gadget is now an optional value when using Smart Assign (RIR is still required for Smart Browse).

CFR - 136 IPAM Automerge option to respect tags / regions

The IPAM "Merge after unassign" option (under IPAM Configuration settings) now has a sub-option to respect tags and regions.

When enabled, the merge after unassign will stop if the two merging blocks do not have identical tags and regions.

To enable, ensure "Merge after unassign" is checked in [IPAM Configuration](#), then also check "Automatic Merge Respects Tags & Regions" below it.

Merge after unassign	<input checked="" type="checkbox"/>	When enabled, ProVision will automatically merge unassigned blocks into the largest possible block within an aggregate
Automatic Merge respects Tags & Regions	<input checked="" type="checkbox"/>	When enabled, the automatic merge performed after an unassign will stop if the two blocks do not have identical tags and regions.

IM/CFR - 2655: CPNR Updates

The ProVision CPNR now has IP Reservation support in the ProVision API/CPNR Connector.

Bug Fixes/Improvements

IM - 2626: Resolved an issue where pagination would disappear in very long DNS zone lists.

IM - 2628: Updated handling of IP blocks in the DHCP Customer Configuration Gadget when Smart Browse is used with an IP Rule set for a DHCP block.

IM - 2658: Resolved an issue where APIv1 DNS PTR record updates would fail when searched by zone id without a parent id being provided.

IM - 2669: Escaped characters are now supposed in the DNS Records SOA mail field.

IM - 2671: Resolved an issue in DNSv3 server settings where MYSQL password would not save for PowerDNS with MySQL Settings.

IM - 2673: Fixed an error that would occasionally occur in Safari for OSX, where an empty IPAM Gadget would hang until a block was assigned.

IM - 2677: Removed a row from the Contacts Gadget that would show an action menu, but no Contact.

IM - 2679: The Resource entry list now shows correct zone count.

IM - 2680: Resources with zones may now be recursively deleted from both the Resource Entry page and the API. Recursive deletion will continue to not be available for blocks with child entries or allocations.

IM - 2681: Updated handling of "Update Session State" in Peering Sessions in instances where ASN had been changed, leave inactive sessions that would attempt to update.

IM - 2683: Import BGP Sessions now correctly clears session details when changing router selection prior to clicking "Load Sessions".

IM - 2687: Resolved an issue with DHCP CPNR delete not working on scope named as CIDR.

IM - 2688: Improved empty error messages in CPNR.