

Server Groups vs. Target Node

Proxmox KVM module **WHMCS**

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Question

“ What is the difference between a WHMCS server group and the **Target Node** parameter in the product configuration? How do I make sure that virtual machines are always deployed on one specific server?

Answer

Allow us to clarify how WHMCS servers, server groups and the **Target Node** parameter work together.

In WHMCS, a **server** represents a Proxmox host. If that host is part of a Proxmox cluster, then through that single server entry WHMCS has access to all nodes within the cluster. In this case, the **Target Node** parameter allows you to specify exactly which node inside that cluster the virtual machine should be deployed on.

Server groups and **Target Node** are two different levels of control:

- **Server group** — this is a WHMCS-level setting. When a VM is being deployed, WHMCS selects a server from the group based on the rules you have configured for that group (e.g. fill, round-robin, etc.).
- **Target Node** — this is a module-level setting. Once WHMCS has selected a server (or cluster), the module then deploys the virtual machine on the specific node defined by the **Target Node**

parameter on that server.

If you want to ensure that virtual machines are always created on one specific standalone server (not part of a cluster), the correct approach is to create a dedicated server group containing only that one server. WHMCS will then always select it for deployment, and **Target Node** will simply resolve to its single node.

Where the Target Node parameter lives

The **Target Node** parameter is configured per product in the **VM Configuration** section of the Module Settings tab (**Setup > Products/Services > Products/Services > [product] > Module Settings**):

Products/Services

Edit Product

The screenshot shows the 'Edit Product' interface for 'PUQ Proxmox KVM'. The 'Module Settings' tab is active. The 'Server Group' is set to 'PROXMOX-private'. The 'License key' field contains 'XXXXX-XXXXXX-XXXXXX-XXXX-XXXX' with a success message 'success: 2027-01-23T13:39:08+01:00'. The 'VM Configuration' section is highlighted in blue and contains a 'Target node' dropdown menu set to 'Pve-waw2' with a refresh icon.

The dropdown is populated via AJAX from the Proxmox server (or cluster) selected by WHMCS. Leave the value as **automatically** to let the module pick the node with the most free resources, or choose a specific node to pin all deployments of this product to it.

Summary

Level	Setting	Controls
WHMCS	Server group	Which server (or cluster entry) is chosen for deployment

Level	Setting	Controls
Module	Target Node	Which node inside the chosen Proxmox cluster receives the VM

To always deploy on one specific standalone host: put that host alone in a dedicated server group, assign the group to the product, and the **Target Node** will naturally resolve to its only node.

Revision #4

Created 16 April 2026 16:21:42 by Ruslan

Updated 14 May 2026 18:31:34 by Ruslan