

# VM Replication Support Handling in MachPanel

## Summary

MachPanel now includes enhanced support for Virtual Machine (VM) replication, enabling more efficient management of replicated environments within Hyper-V infrastructures.

## Applies To

This article applies to MachPanel version v8.2.50 and above.

## Overview

This enhancement introduces improved handling of VM replication workflows, allowing administrators to better manage, monitor, and maintain replicated virtual machines directly from the MachPanel interface.

## Key Features

- **Replication Awareness**
  - o MachPanel can now detect and recognize replicated virtual machines, ensuring accurate status visibility.
- **Improved Management Controls**
  - o Administrators can perform actions on replicated VMs with better consistency, avoiding conflicts between primary and replica instances.
- **Seamless Integration with Hyper-V**
  - o Enhanced compatibility with Hyper-V replication ensures that changes in replication state (e.g., failover, failback) are properly reflected within MachPanel.
- **Error Handling and Stability**
  - o Improved handling of replication-related scenarios reduces failures during provisioning, synchronization, and VM operations.

## Server Group Configuration

A new checkbox has been added in Server Group configuration to enable replication settings.



# VM Replication Support Handling in MachPanel

## Server Configuration

Each server can now be assigned a role in replication.

Home > Service Director > Virtual Machines Hosting > Server Groups > Edit Server

### Edit VPS Server

Enabled:

Role:  Active  Replica

\* Reference Id: HYP01 (Server NetBIOS name.)

\* IP: 10.100.20.0

Web Console Access URL: http://10.100.20.7:8000/MyHome/Default.aspx?\_\_EVENT\_\_=...

\* No. of VM's allowed on this server: 10

\* RAM that can be allocated to VMs: 120 GB

\* Virtual Processors: 10

Save Cancel

## VM Provisioning Behavior

Virtual Machine Provisioning logic now ensures that VMs are only created on valid Active servers.

## Auto Detection of VM Location

MachPanel now intelligently detects if a VM has moved and updates records accordingly.

MachPanel Knowledgebase

<https://kb.machsol.com/Knowledgebase/55802/VM-Replication-Support-Handling-...>