

Frame on Nutanix AHV Cluster Pre-requisites Checklist

The purpose of this checklist is to ensure that a customer's Nutanix AHV cluster has satisfied all required component baselines on the AHV cluster, Streaming Gateway Appliance (SGA), and NVIDIA GRID vGPU prerequisites to support a Frame environment. If any cluster or networking issues are identified during this checklist, these issues must be resolved first. Please gather all documentation and output in a separate document with screenshots.

Cluster Checklist

#	Component
1.	Document the AOS and AHV version (must be greater than 5.11.2).
2.	Document the cluster IP address.
3.	Confirm Prism Central VM and CVMs have at least 32 GB of RAM. ¹
4.	Verify time and time zones are in sync across AHV hosts, CVMs, and Prism Central. Same NTP source being used?
5.	Verify AHV cluster health following procedure in KB000001381 and resolve any warnings and failures.
6.	Verify there are no CRC error issues on the Ethernet interfaces for each node in the AHV cluster by SSH into each node, and as root, execute <code>'ethtool -S eth1 egrep rx_errors rx_crc_errors rx_missed_errors'</code> . If there are any CRC issues, resolve these before continuing.
7.	Confirm Workload VLAN uses DHCP. Verify DHCP Lease Expiration Time. Confirm the available pool of IP Addresses. Service Delivery team suggests not using IPAM.
8.	If applicable confirm container for persistent workloads if needed (Compression and Dedup, No ECX)
9.	If applicable confirm container for non-persistent workloads (Compression, No Dedup, No ECX)
10.	If applicable confirm container for Enterprise Profile Disks (No Compression, Dedup, No ECX)
11.	Check Cluster Utilization and confirm no issues or errors are in Prism Element and Central.

¹ Post-deployment, the customer must monitor RAM utilization on the Prism Central and Prism Element VMs so the memory utilization does not saturate (>90%+).

Frame on AHV Networking Pre-requisites (IMPORTANT)

Verify the following items:

#	Component
1.	Review the Frame on AHV Private Networking with SGA Network Requirements and ensure the firewall(s) are configured accordingly before implementation.

Master Image and Infrastructure Components

Verify the following items:

#	Component
1.	Windows 10 or 11 Image and/or Windows Server Image available with RDP enabled.
2.	VirtIO drivers version 1.1.5 installed in OS image for AHV. No Nutanix Guest Tools (NGT)
3.	Download Frame Agent Setup Tool which will be used to install the Frame Guest Agent (https://docs.dizzion.com/downloads#frame-agent-setup-tool-fast) to be installed in the OS image.
4.	Download the Cloud Connector Appliance for AHV and upload the image up to your AHV Image library via Prism Central or Element. (https://docs.dizzion.com/downloads#frame-cloud-connector-appliance)
5.	If applicable for access to Frame desktops from the Internet, download the Streaming Gateway Appliance image. (https://docs.dizzion.com/downloads#frame-streaming-gateway-appliance)
6.	For creating the Streaming Gateway Appliance configuration, download the SGA Toolbox. (https://docs.dizzion.com/downloads#sga-toolbox)

NVIDIA GRID vGPU (If Applicable)

Verify the following items:

#	Component
1.	NVIDIA GRID vGPU License Server with NVIDIA Product Activation Keys (license file) installed.

2.	NVIDIA GRID Virtual GPU Manager (the host driver) installed. Please record the version.
3.	NVIDIA GRID Virtual GPU guest operating system agent installed in OS image.
4.	Record vGPU profile(s) configured in Prism Central.
5.	Check vGPU notifications for errors.

Cloud Connector Appliance

Verify the following items:

#	Component
1.	Verify the versions and running state of the Cloud Connector Appliances and that there are at least 2 CCA VMs for high availability.
2.	Confirm Frame control plane can connect via CCA to Prism Central and Prism Element API endpoints.

Streaming Gateway Appliance 4

Verify the following items:

#	Component
1.	Confirm there is an externally resolvable public IP address for each Streaming Gateway Appliance.
2.	Identify Public IP addresses for each Streaming Gateway Appliance. Public IP with NAT to private IP addresses in DMZ can be used as well.
3.	Download the Streaming Gateway Appliance 4.0.5 at https://docs.dizzion.com/downloads
4.	Configure vNIC queues on each SGA VM's network interface, as described in KB000008026 .

For questions, please contact Dizzion Service Delivery at servicedelivery@dizzion.com.