Requirements

Deployment Models

When deploying Frame workloads, customers can choose from five primary deployment models—**three for public cloud environments** and **two for Nutanix AHV clusters**. The choice of deployment model depends on your organization's specific use case(s) and security policies. Whether your workloads require public or private networking, or need to leverage static IP addresses or DHCP for dynamic assignment, each Frame account can be tailored to meet these requirements.

For further details on each deployment model and the networking requirements, select the specific hyperlink in the table below.

> **Considerations**
> Customers provisioning Frame accounts in their own network (**customer-managed networking**) in public cloud should select either *Private Networking* or *Private Networking with SGA* deployment models.

Deployment Type	Deployment Model	Description
Public Cloud	Public Networking	All workload VMs (Sandbox, Test, Production, and Utility Server VMs) hosted in a public cloud infrastructure have public IP addresses and are directly accessed by users from the Internet.
	Private Networking	All workload VMs (Sandbox, Test, Production, and Utility Server VMs) hosted in a public cloud infrastructure only have private IP addresses. Users must access the workload VMs through a private network connection.

Deployment Type	Deployment Model	Description
Private Networking with SGA	All workload VMs (Sandbox, Test, Production, and Utility Server VMs) hosted in a public cloud infrastructure have private IP addresses. However, users can access the workload VMs through a Streaming Gateway Appliance (SGA) from the Internet.	
AHV	Private Networking	All workload VMs (Sandbox, Test, Production, and Utility Server VMs) hosted on a Nutanix AHV cluster only have private IP addresses. Users must access the workload VMs through a private network connection.
	Private Networking with SGA	All workload VMs (Sandbox, Test, Production, and Utility Server VMs) hosted on a Nutanix AHV cluster have private IP addresses. However, users can access the workload VMs through a Streaming Gateway Appliance (SGA) from the Internet.

Dynamic vs. Static IP Addresses

All Frame-managed workload VMs require access to a DHCP service to obtain a dynamic IP address when they are created. The SGA and CCA Frame appliances, however, can be assigned static IP addresses.

Workload Type	IP Address Assignment
Sandbox	**DHCP (Dynamic IP)**
Utility Server	
Persistent Desktops	
Test/Production VMs	
Streaming Gateway Appliance (SGA)	**Static IP**

Workload Type	IP Address Assignment
Cloud Connector Appliance (AHV only)	

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