SGA 4 Installation

To deploy an SGA 4 Cluster, first decide if you will have Frame automatically deploy the SGA Cluster and Nodes (public cloud only) or you will manually deploy the SGA Nodes (public cloud or Nutanix AHV) of an SGA Cluster yourself.

1. For **automatic deployment**, Frame will handle provisioning of all required public cloud resources in the public cloud region you designate.
   - Frame will provision the VNET/VPC, subnets, security groups, gateways, and requested number of SGA VMs.
   - When a Frame account is created using Frame-managed networking, Frame will peer the SGA VNET/VPC to the workload VM VNET/VPC. For IBM Cloud VPC, Frame will provision a Transit Gateway to connect the two VPCs.
2. For **manual deployment**, you will create the SGA Cluster in Frame Console and then obtain an SGA Node Registration Code for each SGA Node you wish to create for the cluster. You will then enter the SGA Node Registration Code when you provision the SGA VM in your infrastructure console. This registration process enables Frame Platform to know the association between the new SGA Node and the SGA Cluster in Frame.
   - The customer must provision the required network resources (e.g., VNET/VPC, subnets, security groups, gateways) to hold the SGA VMs and then provision the desired number of SGA VMs.
   - When a Frame account is created using customer-managed networking, the customer must peer the network containing the SGA VMs with the customer-managed network containing the workload VMs.

Once an SGA cluster has at least one available SGA node, you will then be able to create a new Frame Account referencing that SGA cluster and/or attach an existing Frame Account to that SGA cluster.

> For public cloud, make sure that you create the SGA Cluster in the same region as the Frame Accounts you wish to attach to the SGA Cluster. For Nutanix AHV, make sure the SGA Cluster is in the same data center as the Frame Accounts you wish to attach to the SGA Cluster. If you do not, then users may experience unacceptable latency, limited bandwidth, and high packet loss, resulting in poor end user experience.

Automatic Deployment

For Automatic Deploy, follow the procedure described under Create Cluster, Automatic Deployment.

Manual Deployment

For Manual Deployment, follow the procedure:

1. Create Cluster, Manual Deployment
2. Add Node, Manual Deployment
3. Add additional nodes following Step 2 as desired.

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