

# vSAN 6.5 2 Node Direct Connect Setup Checklist

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## 1.1 Requirements

### Requirements

#### Hardware:

- Two physical servers listed on the [VMware Compatibility Guide](#) for the vSphere Installation
  - VMware ESXi 6.5 Installed
  - These may be [vSAN Ready Nodes](#) or they may include storage components listed on the [vSAN Compatibility Guide](#)
    - CPU & Memory recommendations are dependent on workload requirements. vSAN Ready Nodes are highly recommended as profiles have been identified for different workloads.
  - Each host must include at least one cache device and one capacity device
  - One or more Network Connections for vSAN communications
    - Minimum 1x1GbE Dedicated Connection for Hybrid vSAN configurations with up to 10 Virtual Machines
    - Minimum 1x10GbE Shared Connection for All-Flash vSAN configurations, or Hybrid vSAN configurations with more than 10 Virtual Machines
  - One or more Network Connections for ESXi Management and additional services
    - Minimum 1x1GbE Shared Connection for ESXi Management
    - Minimum 1x1GbE Shared Connection for Virtual Machine traffic
  - Physical Switch
    - Used for vSphere Host Management and Virtual Machine traffic
    - Minimum 1GbE ports for ESXi host Management and Virtual Machine traffic

#### Software:

- VMware vCenter Server 6.5
  - VMware vCenter Server Appliance OVA or existing Windows vCenter Server 6.5
- VMware vSAN 6.5 Witness Appliance OVA
  - Alternate Data Center for hosting vSAN Witness Appliance
  - VMware ESXi 5.5 or higher host/cluster to host the vSAN Witness Appliance
    - Datastore must be local, shared vmfs volume, NFS mount, of vSAN cluster.
    - Stretched or 2 Node vSAN Clusters are not supported as a datastore for this use.
- VMware Licensing
  - License for vCenter Server
  - vSphere Licensing for ESXi
    - Recommend licensing that includes vSphere DRS
  - vSAN Licensing
    - 2 Node vSAN may be used with any edition of vSAN
    - All-Flash hardware is supported with any edition of vSAN