*AVS 2.0 Preview – Disclaimer*

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| Pilot Success Criteria  *In this section, define what tests are going to be run and what the outcome is expected to be.* | | |
|  | *Test* | *Outcome/ Feedback* |
| Fundamental | Deploy SDDC |  |
| Create Virtual Network |  |
| Create Jump Box |  |
| Create Virtual Network Gateway |  |
| Connect ExpressRoute/Global Reach |  |
| Log into NSX Manager and vCenter |  |
| Primary | Create DHCP Server |  |
| Create Network Segments |  |
| Scale (add/delete nodes) |  |
| HCX Setup |  |
| Create VMs |  |
| Enable Internet |  |
| VM Migration from On-Prem to Cloud |  |
| Additional | VM Snapshot Operations |  |
| NSX-T Load Balancer Deployment |  |
| Azure Integration  Shared Content Library/Security Integration/Upload ISO/Build from ISO/Azure Backup |  |
| Micro Segmentation |  |
| Routing |  |
| Customer Specific |  |  |
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| Azure Information | |
| Subscription Name and Subscription ID for AVS  *This is the subscription which AVS will be deployed, can be a new or existing subscription, CANNOT be Dev/Test Subscription* |  |
| Is the subscription which will be used for AVS assigned to an EA? | Yes No |
| Resource Group Name for AVS  *This is the resource group which AVS deployment will be assigned, could be new or existing resource group.* |  |
| Location for AVS  *The Azure location where AVS will be deployed* | East US |
| Azure Admin  *Name and contact of the Admin who will enable the service from marketplace.*  *\* Contributor is the minimum role required to* [*register the AVS resource provider*](https://docs.microsoft.com/en-us/azure/azure-vmware/tutorial-create-private-cloud#register-the-resource-provider) |  |

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| On Premises VMware Information | |
| vSphere Version on Premises |  |
| vCenter Version on Premises |  |
| vCenter Admin  *Person who has administrative access to vCenter on premises.* |  |
| L2 Extension  *If extending L2 networks with HCX what on-premises networks will be extended* |  |
| vSwitch  *What type of vSwitch is used throughout environment?* | Standard Distributed  *If Standard is being used HCX is not available.* |

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| DNS and DHCP | |
| A proper DHCP and DNS infrastructure is required to provide these services.  It is recommended to use the DHCP service that is built-in to NSX or using a local DHCP server in the private cloud instead of routing broadcast DHCP traffic over the WAN back to on-premises.  *See* [*How to manage DHCP in Azure VMWare Solution (AVS) Preview*](https://docs.microsoft.com/en-us/azure/azure-vmware/manage-dhcp) *for details* |  |

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| Network Information: AVS Infrastructure  *These pieces of data are needed so the AVS networking needs can be met for stand-up and initial network testing.* | |
| AVS CIDR  *Required for vSphere hosts, VSAN and management networks in AVS.*  */22 minimum. See* [*Network connectivity*](https://docs.microsoft.com/en-us/azure/azure-vmware/tutorial-network-checklist#network-connectivity) *for details* |  |
| AVS Workload CIDR (optional)  *Assign a network to be used in AVS, this will be used for initial testing, VMs will be deployed to validate network connectivity from/to AVS.  Typically a /24 network but could be anything.* |  |

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| Network Information: Connect AVS to Azure vnet  *These pieces of data are needed so after the AVS cluster is stood up it can be connected to Azure via an Express Route which is part of the AVS service.* | |
| Jumpbox – Windows Server |  |
| Create Azure vnet  *See* [*this link*](https://docs.microsoft.com/en-us/azure/virtual-network/quick-create-portal#create-a-virtual-network) *for details on creating a new vNet.* |  |
| Create Gateway Subnet  *See* [*this link*](https://docs.microsoft.com/en-us/azure/expressroute/expressroute-howto-add-gateway-portal-resource-manager#create-the-gateway-subnet) *for details on how to create a Gateway Subnet in your Azure vNet (created above).* |  |
| Create vnet Gateway  *See* [*this link*](https://docs.microsoft.com/en-us/azure/expressroute/expressroute-howto-add-gateway-portal-resource-manager#create-the-gateway-subnet) *for details on how to create a virtual network gateway.* |  |

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| Network Information:  Connect AVS to On-Premises Datacenter | |
| ExpressRoute Peering CIDR  */29 CIDR block required.* |  |
| Express Route Authorization Key and Resource ID *This is an authorization key and Resource ID which will be generated from the current ExpressRoute circuit which is up connecting back to on-prem.* |  |
| Direction of Default Route  *Should VMs living in AVS access the Internet via AVS provided internet, or come back across the ExR to on-prem for the default route?* |  |
| Network ports required to communicate with the service  *Review* [*this link*](https://docs.microsoft.com/en-us/azure/azure-vmware/tutorial-network-checklist#network-ports-required-to-communicate-with-the-service) *for details* |  |

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| Network Information: HCX | |
| Network Ports  *Ensure that the required network ports are opened between on-premises and AVS if there is a firewall in-line.* [https://ports.vmware.com/home/VMware-HCX](https://nam06.safelinks.protection.outlook.com/?url=https%3A%2F%2Furldefense.proofpoint.com%2Fv2%2Furl%3Fu%3Dhttps-3A__nam06.safelinks.protection.outlook.com_-3Furl-3Dhttps-253A-252F-252Furldefense.proofpoint.com-252Fv2-252Furl-253Fu-253Dhttps-2D3A-5F-5Fnam06.safelinks.protection.outlook.com-5F-2D3Furl-2D3Dhttps-2D253A-2D252F-2D252Furldefense.proofpoint.com-2D252Fv2-2D252Furl-2D253Fu-2D253Dhttps-2D2D3A-2D5F-2D5Fports.vmware.com-2D5Fhome-2D5FVMware-2D2D2DHCX-2D2526d-2D253DDwMF-2D2Dg-2D2526c-2D253DyrdpaF6gyrBuvV28fgXPw0zAisnqQikvAUmAkgQeyJo-2D2526r-2D253DHipVckhdb0-2D5FBJo2hNy-2D5FnaToBdib1IOy-2D2DWbZ4tDi2IRs-2D2526m-2D253D4QgtSG02m-2D2D-2D5F5T55KkVRptqBO2iLmvqOyLtbQIikWwig-2D2526s-2D253DUvslfLLsBz4SIADwtz22Q-2D2DaJsxYi0zrVTIwTR9lQlws-2D2526e-2D253D-2D26data-2D3D02-2D257C01-2D257Cv-2D2Dbrdas-2D2540microsoft.com-2D257C2e9d872a56b84a4a5cc208d7847d2271-2D257C72f988bf86f141af91ab2d7cd011db47-2D257C1-2D257C0-2D257C637123545305430388-2D26sdata-2D3D7bd6AdooPUgRwHMl59cqq-2D252F3EY-2D252BS4a6cmBXf4PclZHSg-2D253D-2D26reserved-2D3D0-2526d-253DDwMF-2Dg-2526c-253DyrdpaF6gyrBuvV28fgXPw0zAisnqQikvAUmAkgQeyJo-2526r-253DHipVckhdb0-5FBJo2hNy-5FnaToBdib1IOy-2DWbZ4tDi2IRs-2526m-253DIwzhgW33-2Dljhcp7KZ9GQlvayqbNzSvc-2DoGQJCjXKtmg-2526s-253DwGBHWa5zDZXGmSNQWuM1m0SP47-2D9cumPprZQNzBqvJU-2526e-253D-26data-3D02-257C01-257Cv-2Dbrdas-2540microsoft.com-257C014530522871445ff5de08d78481e734-257C72f988bf86f141af91ab2d7cd011db47-257C1-257C0-257C637123565796764009-26sdata-3D0jKgdCit53Y3HsKsNGEghWMHFXxmDX7hXCT-252BmXcVWow-253D-26reserved-3D0%26d%3DDwMF-g%26c%3DyrdpaF6gyrBuvV28fgXPw0zAisnqQikvAUmAkgQeyJo%26r%3DHipVckhdb0_BJo2hNy_naToBdib1IOy-WbZ4tDi2IRs%26m%3D4GytiQPW2_TrXH6doVKgmARyRTjcrfW-3fwUP7TX1OM%26s%3D_YrcO_dTRNwr4ESG0lIUmjy6ipuZAwozQilxK_J-A7k%26e%3D&data=02%7C01%7Ctredavis%40microsoft.com%7Cc27771adb95f4ee29d5b08d784969b3f%7C72f988bf86f141af91ab2d7cd011db47%7C1%7C0%7C637123654735257856&sdata=9YsUAtXGV%2B9xkQls8n5XTn4YrX2QZuxMJF0kjCtMFck%3D&reserved=0) | |
| DNS  *DNS must be configured as outlined in the DNS section above.* | |
| HCX CIDRs  *Need Two (2) /29 CIDR blocks. These will be used for the HCX infrastructure components on-premises.* |  |