

VSI Cloud • Data Sheet

powered by AVTware

VSI Cloud, from VMS Software, Inc. and Advanced Virtualization Technologies (AVT), allows you to move your aging VAX and Alpha OpenVMS systems to the Cloud. Using built-in VPN tunnels, VSI Cloud can create virtual VAX/Alpha systems in any Cloud deployment model (private, public, community, hybrid). The resulting Virtual Private Cloud (VPC) implementation is a secure and cost-effective way to preserve your vital VMS systems while eliminating at-risk legacy hardware.

The VSI “Cloud in a Box” Solution

VSI VPC combines the vtCloud virtualization layer from AVT with VSI Cloud Services. VSI and AVT manage the process of migrating the OpenVMS system(s) to the Cloud. AVT configuration tools use VMS binary backups to create a VAX or Alpha virtual machine (VM) and upload it to the Cloud provider of the customer’s choice. An acceptance test phase is fully supported.

Features & Benefits

Features	Benefits
<ul style="list-style-type: none">Virtualize your VAX/Alpha hardwareCreate a virtual machine (VM) replacement	<ul style="list-style-type: none">Eliminate aging on-premises hardwareEliminate downtime riskEliminate expensive maintenanceFree up office spaceReduce power consumption
<ul style="list-style-type: none">Virtual Private Network (VPN) tunnel is created between customer site and Cloud providerSecurity is ensured through built-in firewall and encryption	<ul style="list-style-type: none">Cloud provider guarantees physical security of your data and applicationsUse your certificates to ensure secure transmissions and prevent man-in-the-middle attacks
<ul style="list-style-type: none">No changes to your traditional DEC configuration	<ul style="list-style-type: none">Supports DECnet, LAT and Cluster traffic over the VPN tunnel
<ul style="list-style-type: none">On-premise equipment can be retained if desired (e.g., printers, tapes)	<ul style="list-style-type: none">Make backups to devices in your local office for added security, failover
<ul style="list-style-type: none">Easy to configure and monitor	<ul style="list-style-type: none">Monitor your VMS systems remotelySubstantially reduce IT labor and training costs
<ul style="list-style-type: none">Choose your own Cloud provider	<ul style="list-style-type: none">Cloud provider neutralReduces Cloud provider lock-in risk
<ul style="list-style-type: none">Hypervisors supported (e.g., VMWare, Hyper-V, KVM, Xen or Cloud provider-specific)	<ul style="list-style-type: none">Flexibility to work with multiple Cloud providersFacilitates hybrid Cloud installations
<ul style="list-style-type: none">VSI OpenVMS Upgrade Available for Alphas	<ul style="list-style-type: none">Discounts on upgrades to VSI OpenVMS for AlphaOver 500 bug fixes to date; 200 new featuresRights to new versions for x86

IaaS Service Offering Model

VSI Virtual Private Cloud is an IaaS service-offering model, and is typically priced separately from the infrastructure layer from the Cloud provider. Calculating and communicating resource requirements to the Cloud provider plus the creation and upload of the VMS virtual machine (VM) to the Cloud is included. After testing and cutover, the customer continues to manage their VMS environment with performance data from the Cloud provider. Upgrading to VSI VMS is recommended and incentivized, but not required. IaaS pricing is on a utility basis. A PaaS service offering is in development.

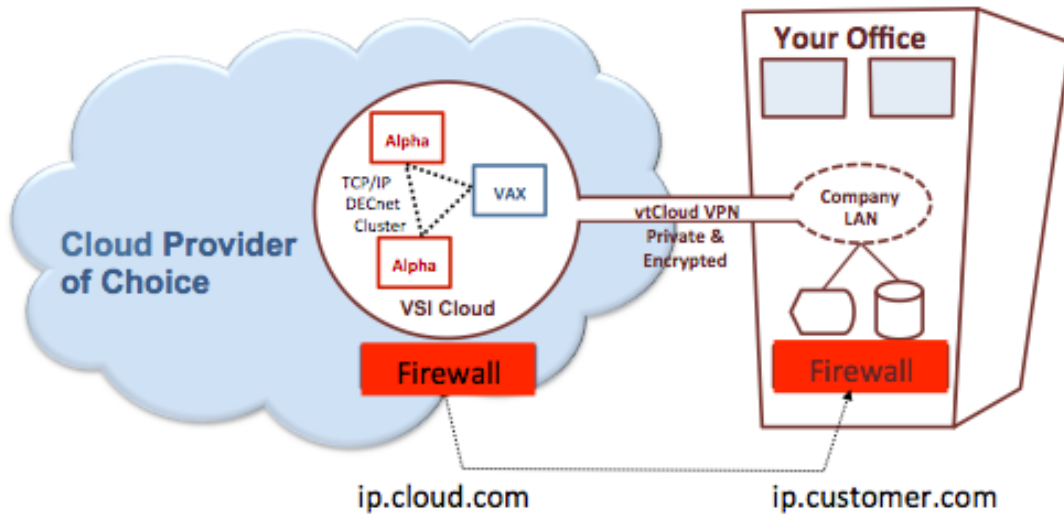
IaaS Service Offering Stack

The VSI Cloud IaaS offering stack is depicted below. VSI Cloud includes the layers noted in green:

Applications (Customer provided and maintained)	Applications (Customer provided and maintained)
HPE OpenVMS (Customer provided and maintained)	HPE or VSI OpenVMS (Customer provided and maintained)
VAX (Virtualized)	Alpha (Virtualized)
VSI Virtual Private Cloud (vtCloud)	
Cloud Provider of Choice (VSI provides installation services)	

The existing OpenVMS system is migrated to the Infrastructure-as-a-Service cloud provider of the customer's choice (public, private, community, hybrid); includes upload and provisioning of OpenVMS virtual machine (VMs) in the Cloud. Customer continues to manage their OpenVMS environment with performance statistics from the VSI Cloud portal. Upgrade to VSI OpenVMS is recommended but not required.

VSI Cloud Architecture – powered by AVT



The VSI Cloud incorporates AVT's vtCloud option, which includes a built-in firewall and encryption to establish a secure Virtual Private Network (VPN) between the customer site(s) and the VSI Cloud. This results in a Virtual Private Cloud (VPC), which can operate in public, private, community, or hybrid cloud deployment models, and is a particularly attractive choice for legacy OpenVMS environments.

VSI Cloud is easy to configure and will support traditional DECnet, LAT and cluster traffic over the VPN tunnel. VSI Cloud will provide customers with the ability to monitor and manage their OpenVMS VMs running in the Cloud as easily as they manage their existing Alpha and VAX machines on their LAN today.

More Information About VSI Cloud

We look forward to any and all queries from our users and customers. See the following methods of contacting us.

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