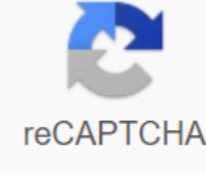




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## Vsphere replication 8.2 installation guide

vSphere Replication is distributed as a virtual OVF device. Deploy a vSphere replication device with the help of the standard vSphere OVF deployment master. Note: vSphere replication can be deployed at IPv4 or IPv6. Mixing IP addresses, such as having one device with IPv4 and IPv6 address, is not supported. To register as an extension, vSphere Replication relies on the VirtualCenter.FDN vCenter server property. When IPv6 is used to replicate vSphere, the VirtualCenter.FDN property must be configured to a fully qualified domain name that can be decided at IPv6 or at a literal address. When working with IPv6, vSphere replication requires that all components in the environment, such as vCenter Server and ESXi hosts, be available at IPv6. Download the vSphere Replication ISO image and mount it on the system in your environment. Sign up for vSphere Client on the source's website. On the homepage, select Hosts and Clusters. Click the right button on the host and select the OVF Deployment pattern. Provide the location of the OVF file from which you can deploy the vSphere replication device, and click Next. Select the URL and provide a URL to deploy the device from the URL on the Internet. If you've downloaded and edited a vSphere Replication ISO image in your system in your environment, select and go to the Bin catalog in the ISO image, and select the files vSphere\_Replication\_OVF10.ovf, vSphere\_Replication\_OVF10.cert, vSphere\_Replication\_OVF10.mf, vSphere\_Replication-system.vmdk and vSphere\_Replication-support.vmdk. Take a name, select or search for a destination folder or data center for a virtual device and click Next. Select a cluster, host, or resource pool where you want to run a spread pattern, and click Next. Browse the virtual device and click Next. Accept end-user (EULA) licensing agreements and click Next. Select the number of vCPUs for the virtual device and click Next. Select Datastore's destination and drive format for the virtual device and click Next. Select the network from the list of available networks, set the IP protocol and distribution IP and click Next. On the Settings template page, enter the names or IP addresses of one or more NTP servers. Set a password for the root account and enter the host name or IP address of at least one NTP server. Click on. Browse the vCenter Extension vService link and click Next. Browse the settings and click Finish. Power on vSphere replication device. Pay attention to the device's IP address and exit vSphere Client. To deploy vSphere replication on the target site, repeat the procedure. Register the vSphere replication device with vCenter Single Sign-On. VMware vSphere Replication VMware is a solution to replicate production VMs in order to dr-site or migration strategy to avoid service failures. vSphere Replication can replicate virtual machines in vSphere environment from production site to another site or site. It is a component deployed as a device and is included in the vSphere solution without the need to purchase any additional license. Blog Series vSphere Replication 8.x Deployment - pt.1 vSphere Replication 8.x failover - pt.2 vSphere Replication 8.x traffic insulation - pt.3 vSphere Replication 8.x Seeding - pt.4 vSphere Replication 8.x vSphere Replication is a free product fully integrated with vCenter Server and allows replication of virtual protection machines such VMs. With this solution, you can replicate VMs from the following sites: from the production site to another site (DR-site). On the same site from one cluster to another cluster. The latter is a typical use case where you need to move VMs from the old infrastructure to the new one. vSphere Replication 8.2 Although the procedure described in this article refers to version 8.1.2, the newest replication of vSphere 8.2 has been released, providing some new features: Support for VMware vSphere 6.7 Update 2. VM encryption support - vSphere 6.7 U1 or later encrypted virtual machines can be played. Enable network encryption - with VMware vSphere 6.0 or later transferred data replication can be encrypted. Improvements to the site's user interface - targeted data storage can be tracked in detail replication of the site's UI recovery interface. vRealize Operations Management Pack - RPO violations and better visibility of vSphere replication status are additional information provided by the new version 8.2. vRealize Plug-In For vSphere 8.2 replication. vSphere Replication 8.2 supports the following versions: vCenter - 6.0 Update 3 or later ESXi - 6.0 Udate 3 or later vSAN - 6.5 or later Although version 8.1.2 was used during deployment, installation procedures and configurations are the same also for version 8.2. Deploy vSphere Replication 8.x in vSphere 6.7 To deploy vSphere replication, download the ISO file from the VMware website. From vSphere Client on the right, click the inventory object where the device is deployed and select the OVF Deployment Pattern option. Click View to select the installation files and then click on. These are the right files to deploy. Enter the name of the virtual machine and location, and then click Next. Choose a computing resource to use and click Next. Click on. Take EULA and click next. Enter the required number of vCPUs to use (2 or 4) and click Next. Depending on the number of VMs to replicate, vSphere Can be deployed in two ways: 2 vCPU, 8GB of RAM 4 vCPU, 16Gb RAM Keep in mind that during the replication process, the processor and RAM of the host source are consumed. Choose Select drive format and data store for use. Click on. Select the destination network (default vSphere Replication uses the management network for its traffic) and click Next. Enter your device settings by entering a password, NTP servers, and a host name. What are the properties of the network? The last two treatment options are the DEVICE control network IP address and The Netmask control system. Click Next to continue. Include vService bindings, click Next. Previous versions required this option to be specified through the flexible vSphere Version Web Client, but this issue has now been fixed. Click Finish to begin the deployment of the device. Link vSphere replication to vCenter After successfully deploying the device, click vSphere Replication and select Power and Power On. Access to the device's console to verify your IP address to connect. When you try to connect the device control console through your browser you can get an error. You just need to wait a bit to get the services to start properly and then try again. Enter the root as the username and password specified during the installer configuration. Click Log. Include a LookupService address by typing vCSA for the built-in PSC topology or PSC address if you use the external PSC topology instead. Make sure to enter the correct SSO administrator and password, then click on the Save and Reboot button. Accept the SSL Self-Image Certificate by clicking the Accept button. If you have entered the wrong PSC, SSO administrator or password, you may get a similar error. Just double-check the settings and try again. The Green Report confirms that the device is now connected to vCSA/PSC, and service status reporting services are working. Set up a vSphere replication from a vSphere customer to click the site's recovery menu to access the device's configuration. In the area of site recovery, click OPEN Recovery Site. Click View Details. Note that this configuration uses the same vCenter topology and replications occur within the same vCenter. In the Summary tab, you can check the connected vCenter server. In the Replication Servers tab, you can see the replication servers that are being used. Set up a replication job to customize the replication job, select one or more VMs, then click on the selection and select all the recovery activities of the site to set up the replication option. Click Yes to open master replication for selected VMs. Click Next to continue the replica configuration. Select a target site (configured vCenter in this example) and a replication server for use (Auto assign-or Manual) if multiple replication servers are deployed. Click on. Include the disk format and the Data Store Target. Additional options available on configuration page, allow you to assign different storage data to VM drives and specify The replica should use seeds. By default, VM drives are located in the same data store, but VMDK drives can also be assigned to different storage. Click on the Change link to indicate another data store for a particular hard drive. Choose a datastore to use for your chosen hard drive and then click OK. Include the required RPO for the replica, as well as the hold to take, mark the point of inclusion in the time of the instances. To optimize the consistency of replicas and network performance, turn on the guest OS quiescing and enable network compression for VR data options to provide additional replica capabilities. Click on. Click Finish to save the configuration. To complete the replication task, this is necessarily a virtual machine powered from an otherwise replication master will display a warning. Click Replicates to check the state of replication of selected virtual machines. Depending on the size of the VM and the available bandwidth, after a few minutes the replication is successfully completed. Replicated VMs are now ready to be fired if necessary. Part 2 will explain how to fail to quickly recover the services provided if the VM source fails for any reason. Reason. vsphere replication appliance 8.2 installation guide

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