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# Describe how the constitution divides power between the national and state governments

In this article I will talk about the background, installation and the main issues for installing VxRail. When I created this document, the VxRail version was 4.5.300. Thus, it may differ from the current version. (Adding new nodes, installing ESRS, etc.) Requirements (general) Step Definition 1 Full physical installation of servers and switches. 2 Do idRAC and switch BMC wiring. 4 One server cable to Tor Switch A, a second cable for Tor Switch B. 5 Connect Tor switches to the client network and set them up as a stack, making sure it doesn't have LACP. 3 Create matching VLANS on Top-Of-Rack (Tor) switches to be used for VxRail. 6 Include IPv4 and IPv6 multicast to control VLAN and IPv4 multicast for vSAN VLAN. 6 Create back and forth DNS records for ESXi, VCenter and Log Insight and make sure they are resolved. 7 Make sure the network of customers is available. (AD, DNS, proxy, etc.) 8 Make sure ESXi and NTP servers show the same time, if necessary, fix the time through the IDRAC and ESXi host. 10 Allowed to move with or without tags from Tor Switch ports connected to Vxrail, is decided by structure. 11 Allow all traffic to pass through the ports used in connection between all switches, including IPv4 and IPv6 multicast, if multiple switches are in use. Additional validation of file EMC support account. Optional Make sure that the Switches connected to the BMC and the IDRAC support 100Mbps. Requirements (Network) Vlan Multicast-IGMP Related VLANS (4.7) Sample IP Range A X Vmotion_Network 192.168.100.20-30 B ✓ Vsan_Network 192.168.101.20-30 C X Vm_Network Trunk D ✓ The internal _Management_network 192.168.102.20-30 E X External_Management_Network 192.168.103.20-30 F X Idrac_Network 192.168.104.20-30 Vlan Multicast-IGMP Related VLANS (VxRail &lt;4.7) Sample IP Range A X Vmotion_Network 192.168.100.20-30 B ✓ Vsan_Network 192.168.101.20-30 C X Vm_Network Trunk D ✓ Management_Network 192.168.103.20-30 E X Idrac_Network 192.168.104.20-30 Requirements (DNS) Server Task Sample Hostname Example IP Address DNS (Forward and Reverse) Vcenter Ip vcenter.fabrikam.local 192.168.103.31 ✓ PSC Ip psc.fabrikam.local 192.168.103.32 ✓ Vxrail Manager vxrail-mgr.fabrikam.local 192.168.103.33 ✓ Vmware Log Insight Ip loginsight.fabrikam.local 192.168.103.34 ✓ Esrs Ip (Emc Account &amp; Site Id) esrs.fabrikam.local 192.168.103.35 ✓ VxRail Node 1 vxrail-01.fabrikam.local 192.168.103.20 ✓ VxRail Node 2 vxrail-02.fabrikam.local 192.168.103.21 ✓ VxRail Node 3 vxrail-03.fabrikam.local 192.168.103.22 ✓ Simplified Topology Below you can see VxRail's simplified topology. It supports 2 knots to 64 knots. TCP-IP Default Configuration Each site should be configured as DHCP for IPv4 and IPv6. Must be Link Local (APIPA) -169.254.Y.W for IPv4 -FE80:: What IPv6. VxRail VxRail access 192.168.10.200 Static IP should not be defined for ESXi hosts unless problems arise, the configuration should be configured during the Demo Setup installation Previous requirements cover production environments. In the next stages, some steps may be configured differently or missed. Edit ESXi Management Network Connect to the Server using IDRAC or keyboard, mouse, monitor. Activate the ESXi shell on all ESXi hosts. Switch to the ESXi shell and join the COMBINATION of ALT and F1. Set up the appropriate VLANS for management and VM Network through the following commands. (Use the IDRAC virtual keyboard if you're having regional character problems.) esxcli network vswitch standard port group set -p Network Management -v qlt;VLANID'gt;esxcli network vswitch standard port group set -p VM Network -v lt;VLANID'gt; installation of power troubles at all VxRail nodes ovu by oye. Take 192.168.10.200 into the browser and start the settings stages. If you don't have access, check your network settings. If you're confident in the right network settings, connect with your username Root and Passw0rd password! to ESXi Web, you can restart VxRail Manager via ESXi Shell if you don't want to give static IP ESXi. Make sure you can ping the default GW by connecting to VxRail Manager via SSH (mystical user) or ESXi Web GUI. If VxRail Manager works but nodes are not visible, just start /etc/init.d/loudmouth to restart the command through ESXi Shell and try again. If it still doesn't show up, Multicast-IGMP settings may be incorrect, check it again. Sometimes a node with a different level of firmware or software can match. In such cases, the reset of the RASR plant can solve the problem. IDRAC Connection Define IP to IDRAC for each site and provide a remote connection to each of them with root and calvin information access. Access to all ESXi console servers for remote console launch input. Click F2 and then tyoe username root and password Passw0rd! To access the ESXi console. Activate the ESXi shell under the Trouble Options tab to start the Enable ESXi Shell option. The VLAN configuration is part of ESXi Shell, clicking on the ALT and F1 combination, and performs VLAN descriptions for control and virtual server networks through ESXCLI. If you're having regional character problems, you can use the IDRAC virtual keyboard. Start setting up If all servers are displayed then continue the configuration, if there is a problem, follow the set-up troubleshooting steps. Set up your DNS and network card type and keep going. Enter the domain controller, the ESXi template and the vCenter information, make sure the names of the hosts to be created are requested from DNS. Enter relevant network information for PSC and VxRail Manager, make sure The host names that will be created are requested from DNS. Enter network information to be zlt;vLANID/vlanID/VLANID/gt; for vMotion Enter network information that will be used for vSAN. Select the network information to which virtual servers will be available, and the setting cannot be completed if the network information is not available. Enter the host's name and IP information required for LogInsight. Enter your username and password. Start the verification process and start the adjustment phase if the check is successful. Importantly, if the VxRail manager will use IP other than the default (192.168.10.200), be sure to customize this secondary IP for your computer. You can switch to the control screen when the installation is successful. Sign in with previously created access information. After checking that all processes are in order, log in to vCenter. By clicking on the Set support account, support activation is set up. Under the Config--'gt; General tab, ESRS is activated. In the VxRail vSAN cluster, follow the Monitor-vSAN tab to start performance monitoring, perform network performance tests, and create virtual servers. Installation stages end here, enjoy your product:) The following procedures show that you will replace the Dell EMC Networking ToR switch. Copy the backup configuration file that will be replaced into the Switch/var/tmp control directory. For example, when you replace the ToR switch with an IP address 192.168.0.20, you copy a backup configuration file called 192.168.0.20-lt;switch-name-gt-running-config.gz to the control switch in the ToR switch stand. Turn off the replaceable switch and remove it from the rack. Set the replacement switch in the rack and wire it according to the same wiring connections the previous one was. Clear the switch as described below. Dell'gt;capable Dell' Config Dell (conf) reboot type Dell (conf-reboot type) dhcp-time-out 0 Dell (conf-reboot type) config-scr-download include Dell (conf-reboot type) , download type normal Reboot Dell (conf-reboot type) output Dell (conf) output Dell to write the memory Dell ' Using the original Switch IP address, set up the same IP address on a new interface switch called management1. For example, when replacing the ToR switch to IP address 192.168.0.100, set up the control interface1 as follows: Conf - ManagementEthernet interface 1/1 and ip address 192.168.0.100/22 - no disconnect Check that the newly installed switch can be achieved by pinging from another ToR switch. TOR20' ping 192.168.0.101 Decompress and copying configuration backup files from SDDC Manager VM to the new switch. TOR20'copy scp: Flash: Address or remote host name: 192.168.0.40 Port Number имя файла источника:/var/tmp/backup-&lt;timestamp&gt;-575/switch/ R1S1-192.168.0.100-dell- Имя пользователя для входа a&lt;timestamp&gt; удаленный хост: от корни до удаленного хоста: удаленный хост&lt;timestamp&gt; &lt;/timestamp&gt; &lt;/switch-name&gt; file name :R1S1-192.168.0.100-dell-lt;timestamp:21:28:21 % STKUNIT1-M:CP %SEC-5-SSH_USAGE: Using SCP-SSH v2 (FIPS Disabled) February 21 at 23:28:22%STKUNIT1-M:CP %CRYPTO-5-FIPS_SELF_TEST_PASSED: FIPS crypto module has gone through to apply saved configuration settings to the T0R switch configuration. Dell and a copy of the flash:/R1S1-192.168.0.100-dell-start-configuration switch - copy of the start-up-configuration-working-configuration generate and customize the SSH key. File update /home/vrack/.ssh/known_hosts to SDDC manager's VM. In the SDDC managers' dashboard, we'll clear all the switch alerts between the racks you've just replaced. (Optional) Confirm that replacing the switch was a success by going to the Rack Details pages in the SDDC Managers' Panel. The replacement switch is in place and has a backup configuration from the switch it replaced. Advertising - Scroll through page 2 of 37 advertisements Thank you for your participation! Your assessment is very important for improving the work of artificial intelligence, which shapes the content of this project.

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