

Prerequisite Requirements to Install EnsureDR 4.0.5.0

(November 2021)

Infrastructure Support	
Supported DR Data Movers	
<ul style="list-style-type: none">• Zerto (version 5 - 8)• Zerto Azure to Azure and on-prem to Azure (version 8)• VMware SRM. Storage Replication or vSphere Replication (version 5 - 8.13)• Carbonite Replication, Double-Take (version 7 – 8.4)• Netapp with NFS/ISCSI/Fiber Channel (ontap version 9 and above)• EMC RecoverPoint for VM (version 5 and above)• Veeam Replication/Backup (version 11.0)• Veeam SQL only (version 11.0)• Cohesity (version 6.5)• Azure ASR - on-prem to Azure (Rollup 50)• Rubrik (version 5.2 and above)	
DR test support	
<ul style="list-style-type: none">• Domain Controller (DC)• Virtual and Physical servers (Windows/Linux)• Applications• Physical equipment such Firewall / Switch/ Storage / other• Branch office• Internet connection	
OS tested support	
<ul style="list-style-type: none">• Windows XP/2003 and above• Linux RH 5/Suse 10/CentOS 5/Debian 10 and above	
Target DR environment support	
<ul style="list-style-type: none">• VMware environment• Azure environment• Physical server	

Prerequisite Requirements	
Servers and console	<p>Two VM server with Windows 2016/2019 clean install for standard sizing of up to 1000 tested devices:</p> <ol style="list-style-type: none"> One (for the management server EDRM/EDR) with 16GB mem, 4CPU, 250gb disk, Single NIC One (for the controller server EDRC) with 8GB mem, 4CPU, 50gb disk, Single NIC <p>VM location in the tested environment.</p> <p>In the case of VMware - the latest VMware VM tools must be installed on Windows and Static IP assigned. Single NIC only.</p> <p>EDRC - static IP assigned, single NIC only.</p> <p>The correct time zone should be set for the machines.</p> <p>NOTE: For larger sizing (thousands of tested devices/multiple data centers) - a sizing evaluation is required to determine the appropriate amount of engine servers.</p>
Credentials	<p>Domain Admin User (user must be an admin in the EnsureDR's servers)</p> <p>VMware host user</p> <p>VC admin user</p> <p>Both EnsureDR's servers must be joined to the domain.</p> <p>Data Mover user (if applicable)</p> <p>Note: In the workgroup, use the same user and password for all servers.</p> <p>In mix Domain or Workgroup, use a different job for each environment. Do not join the EnsureDR controller server to any domain.</p> <p>You can configure a different user and password for each tested server.</p>
Networking	<p>Bubble network on target Host / Cluster isolated from environment.</p> <p>If the target is a cluster of multiple hosts, a physical or virtual VLAN can close connections between them in a bubble such as VMware DVSWITCH or close VLAN on a physical so VMs can communicate with each other between hosts in close DR environment. A physical/software router is recommended to support multiple segments in the bubble with multiple isolated VLANs or Single VLAN with L3 on L2.</p> <p>Ports 443 and 902 need to be open from main EnsureDR console server to target ESX, VC, bi-di.</p> <p>NSXt – open a rule that all communication between the EDR and EDRC are allowed on port 443/902</p>
Domain Controller	<p>Scenario 1: DC in replication job and boot first so any internal test done by EnsureDR won't be blocked due to missing login server.</p> <p>Scenario 2: DC is replicated via MS DC replication to live DC at DR. Use the DC clone in workflow in EnsureDR console. See user guide for more information.</p>
Anti-Virus	<p>If you have Anti-Virus running in the EnsureDR console server, add exclude for EnsureDR.exe, EDRMS.exe, edr_service.exe and EDRC_E2.exe. See user guide for more information.</p>
Reporting mail	<p>SMTP mail service available to EnsureDR servers to send the report via mail such as local exchange or Office365/Gmail.</p>
Other (different for each solution)	<p>VMware SRM recovery plan should be failing over to a specific private network and not "Auto". There should not be any "stops" in the recovery plan scenario. The servers should power on in the process.</p> <p>Netapp NFS SVM should have a new Export Policy by the name EDR with Access to target Network volumes, EDR server and target ESXi.</p> <p>Netapp ISCSI SVM should have imitator setup to all target ESXi. EDR console server should have network connectivity to the Volumes Vlan.</p>

Note: EnsureDR DOES NOT influence your production or DR site. It only collects data from the DR solution such as (VMware SRM/Zerto/Double-Take), run tests on specific scenario and cleans up the test when done. EnsureDR may uncover issues that were hidden in the DR plan solution.

Customer Name: _____

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