EnsureDR Quick Startup Guide for NetApp Storage

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EnsureDR is a software solution that makes sure your data recovery (DR) site works when you need it. By running automatically every few days, DR testing is performed and used to reveal issues that need to be addressed - therefore keeping the business up to date with its DR state. EnsureDR can be used as an automated solution for the whole process of recovering on the DR site in case a real disaster happens and the production site is not available. EnsureDR supports DR solutions (data movers) such as AWS Elastic Disaster Recovery (AWS DRS), Carbonite Recover, Cohesity Helios, Microsoft Azure Site Recovery (ASR), NetApp storage, RecoverPoint for Virtual Machines, Veeam Backup & Replication, VMware vSphere Site Recovery Manager (SRM), Zerto, and more.

Documents Description

In this quick startup guide, you will learn how to quickly set up the EnsureDR job to test VM's health check status in your DR environment. For advanced features, please refer to the full user guide. Please follow the instructions and if you need additional help, please contact support@ensuredr.com.

Prerequisites

To make EnsureDR works properly, there are a few prerequisites to set up in advance.

Servers and Console	One server with Windows 2016/2019 with 16 GB mem, 4 CPU, 250 GB disk, single NIC. EnsureDR management VM (EDRM) should be located on the DR location of a testing environment. The latest VMware VM tools must be installed on EDRM server and assigned a static IP. Server must have only a single NIC. Correct time zone should be set for the machines. Server should be joined to a domain.
Credentials	Domain account which is the local administrator on the EDRM server. VMware vCenter user which has administrator rights.
NetApp	NetApp ONTAP Export Policies must be created and named "EDR" for SVMs on the DR site before starting the EnsureDR job. In "EDR" Export Policies, add all VMware ESXi hosts that are specified inside the EnsureDR job.
Firewall	Port 443 needs to be open from the main EnsureDR management server (EDRM) to the source and target VMware vCenter servers. Port 443 needs to be open from the main EnsureDR management server (EDRM) to the source and target NetApp appliance. Port 443 needs to be open from the client workstation to the EDRM server SMTP port should be open for the reporting, from the EDRM server to the local mail server. Usually, the SMTP port number is 25 but can be different. Please ask your mail administrators for the correct port number.
Antivirus	If you have Antivirus software running inside the EnsureDR management server, add an exclusion for API.exe and EDRRunner.exe.
Reporting Mail	SMTP mail service available for the EnsureDR server to send the report via mail such as local exchange or Office365/Gmail.
Supported Version	NetApp 9.x
Supported Browser	Google Chrome

Setup

Prepare a server VM with a clean install of Windows server 2016/2019 (as described in the prerequisites table).

EnsureDR manager setup

1. Log on with the service account you created in advance as described in the prerequisite document
2. Run the EnsureDRSetup.exe file as an administrator on the server you created upfront
3. Choose your data mover type and set a domain user credential that has local administrator rights on the EDRM server
4. Set up the default location for the installation, accept the license, and install the product
5. Wait for the installation to complete, depending on the environment and components, may take a few minutes to complete
6. Save provided link for future access (used in the steps below)
7. When the installation is finished, restart the EDRM server
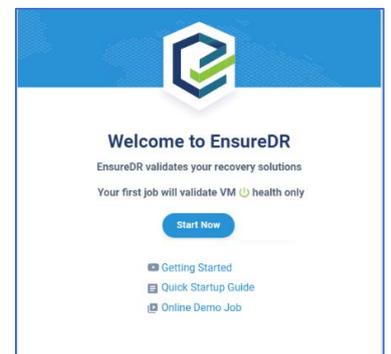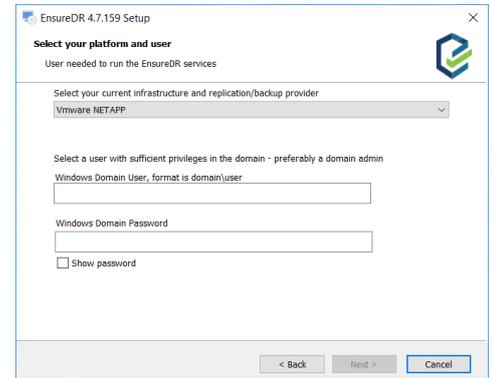
Creating the first job

1. Open the Google Chrome browser and navigate to the link you saved in the previous step
2. A welcome message pops up in the browser, click on "Start Now"
3. Fill in the necessary info in the first step to create the job
   - Enter a job name
   - VMware environment details for source and destination vCenter
   - Set the name or IP address of your NetApp appliance on the source and target site
   - Set the workflow user, domain user with elevated privileges on Windows local servers, and Linux user with proper privileges on servers added to the job
4. On the second step, network configuration, press next
   - Relevant for advanced jobs only
5. For the third step, EnsureDR will fetch volume data from your NetApp appliance and collect the list of available servers per volume
   - Select the servers you want to test and click the blue arrow to move those servers to the job list in the right pane
6. Finally, define the e-mail address for the recipient of the report, and set up the job rerun frequency. Now you are ready to execute a job by clicking to "Save & Run" button