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## Dell compellent enterprise manager admin guide

BMC TrueSight Optimization Capacity 11.0 ... Data collection through ETL sentry Compellent Enterprise Manager ETL modules to optimize TrueSight capacity includes the following sections: TrueSight Detail Compatibility Capacity Optimization Capacity Optimization Capacity v11.0.00Dell Mandatory Storage CentersAny Dell Mandatory Storage Center Compatible with Dell Compellent Enterprise Manager. ETL was tested and credited on Dell storage systems SC79900 and SC9000 and Dell Enterprise Manager 16.3.1.101.PrerequisitesBefore installed Dell Compellent Enterprise Manager ETL to optimize trueSight capacity, you should ensure that Dell Compellent Enterprise Manager and all its components are properly installed and configured as described below: Click here to expand... Data collection is a service that collects data reports and alerts from all Centers.To install enterprise data collection manager:Download Enterprise Information Manager Collecting Software:Go to Dell Mandatory Home Support.Login to client or partner portal. Click Knowledge Center, then download Enterprise Data Collection Manager Compellent Enterprise Startup Data Collection Manager.exe.Click Next.Click Yes to accept the license contract and set up the installation. Once installation is complete, click Finish.Configure Enterprise Manager Data Collector:Select Configure as Primary Data CollectorSet the Data Collector Service and OS Service InformationClick Next.Enter the Product Key, choose whether you want to activate your license over Internet or over Email/Phone, and click Next.Since Dellent Compell Enterprise Manager ETL for TrueSight Capacity Leverage Optimizations the Dellent Compell API, there is no need to enable the SMI-S Server. Leave the fields blank and click Next.Create the Administrator User, which will be used to login to the Enterprise Manager, and next.The Enterprise Manager Data Collector setup is now complete. Click the URL to go to the data collection website. Click Finish. Click here to expand... Client Enterprise Manager is a Windows application that connects to data collection, allowing you to view and manage multiple storage centers. You can install the client on a data collection server or a computer that has a network connection to the data collection server. To install an enterprise manager client: Go to the data collection website. The default location for the website is: https://: host name or server IP address that hosts data collection. The web emdc\_hostname\_ip service port emdc\_hostname\_ip emdc\_web\_server\_port is data emdc\_web\_server\_port collection; Download the Client Installer.When the download is complete, double-click the downloaded file. A security alert dialog box appears. &lt;/emdc\_web\_server\_port&gt;&gt;lt;/emdc\_hostname\_ip&gt; &lt;/emdc\_web\_server\_port&gt; &lt;/emdc\_hostname\_ip&gt; Click RunStart the installation. Click Next.Click Yes to accept the license agreement and start the installation. Click Finish. The Enterprise Manager icon appears on the desktop. Click here to expand... Enterprise Server CEO is a service for Windows that allows you to see server data, recover unacbeded storage space from Windows NTFS, and monitor and control the mandatory Dell NAS server and zNAS server. To install Enterprise CEO Server:Go to the data collection website. The default location for the website is: https://: host name or server IP address that hosts data collection. The web emdc\_hostname\_ip emdc\_web\_server\_port&lt;5>&gt;emdc\_hostname\_ip&gt;emdc\_hostname\_ip&gt;3033.Click continue this website&lt;emdc\_web\_server\_port&gt; Download installer.When the download is complete, double-click the downloaded file. A security alert dialog box appears. Click Run.Click Next.Select I Accept the terms in the license agreement and click Next.Register the Server Agent with Enterprise Data Manager Collector:Enter the socket listening port. By default, 27355Enter has the hostname or IP address of the web service port data collection. By default, the 8080Check box will be managed automatically in centerClick OK storage. When installation is complete, click Finish. Click here to expand... Client Enterprise Manager can be used to connect to data collection to view and manage multiple storage centers: on the desktop, double-click the Client Shortcut Enterprise Manager. A compulsory login to the Enterprise Manager client window appears. Fill in the following fields:User Name: Enterprise Manager user that was created while installing Data CollectorPassword: User's passwordHost/IP: host name or IP address of the server that hosts the Data Collector.Web Server Port: If you changed the Web Server Port during installation, enter the updated port. Click Log In.The Client connects to the Data Collector and displays the Storage (SAN/NAS) view. Click Add Storage Center.Fill the following fields:Host Name: Host name or IP address of the Storage Center.User Name: Name of an administrator user on the Storage Center.Password: Password for the Storage Center user. Click Finish. The storage center appears in the list of storage centers. Click here to expand... On the desktop, double-click the Enterprise Data Collection Manager shortcut. The login will appear in the Data Collection window. Enter your credentials and click Login.From Dell Compellent Enterprise Manager, you can:Add enterprise manager of UsersAdd Storage Center volumesAdd server to cloud cluster storage centersAdd to enterprise email notification configuration manager set up remote storage centers and repeat QoSConfigure and live VolumesPredefine your disaster recovery plan. Deploy the ETL module the following steps to deploy the ETL module:scroll to &lt;/emdc\_web\_server\_port&gt; &lt;/emdc\_hostname\_ip&gt; &lt;/emdc\_hostname\_ip&gt; &lt;/emdc\_hostname\_ip&gt; &gt; System &gt; Maintenance.Check the installation status of the packages already uploaded. If their status is ready or running, wait until the installation is complete before proceedings are complete. At the bottom of the maintenance page, find the upload patch or additional package file section. Click Browse.Locate and select the ETL installation package. Click Upload.Read the Overview and click Next to continue. Read and accept the end-user license agreement. Click Continue. The successful installation will result in a green line in the additional package table. Configure the ETL module the following steps to configure an ETL service and add it as an ETL task to extract capacity and metric performance:Scroll to Office &gt; ETL &amp; SYSTEM TASKS &gt; ETL tasks. On the ETL Tasks page, under the Last Run tab, click Add &gt; Add ETL. The Add ETL page is displayed. On the Run Configuration tab, in the Property MODULE ETL, select Storage – Dell Compellent Enterprise Manager Extractor ServiceSpecify values for common and advanced properties that are listed under expandable tabs. To view or configure advanced properties, click Advanced.For details about the common properties, see ETL Shared Configuration Properties. The table below lists features specifically for the Dell Compellent Enterprise Manager ETL module: Click Save. You will be returned to the last run tab on the ETL tasks page. Validate results in simulation mode: In the ETL tasks table under ETL tasks &gt; last run, place your ETL (ETL task name), click to run ETL. Well: ETL run without any errors in simulation mode. Warning: Running ETL restored some alerts in simulation mode. Check etl login. Error: Running ETL returned errors and failed. Edit the active Run configuration and try again. Change ETL mode to production mode: Do the following steps:In the ETL tasks table under ETL tasks &gt; Last run, click ETL under the Name column. In the Run Settings table on the ETL details page, click to edit the active execution configuration. On the Edit Execution configuration page, navigate to the expandable Run configuration tab and set the run to No.Click Save in simulation mode. Place the ETL in the ETL tasks table and click to run it, or the ETL implementation program. After running the ETL, or ETL program to run, it extracts data from the source and transfers it to the TrueSight capacity optimization database. You can see the entity hierarchy in the left navigation pane, under the work space. After configuring the process of discovering the volume and collecting the metric your performance measures compressed resources that can create additional workload on the system. To reduce system resource consumption, administrators can be disabled or activated Volume monitoring will be fine-tune creating volume entities into the trueSight capacity optimization environment. The following metrics are no longer collected and displayed on the console when volume monitoring is disabled:DatasetMetricsSTOGLBST\_CONFIGURED\_VOLUME\_CAPACITY\_PCT (capacity percentage configuration storage system)ST\_OVERSUBSCRIBED\_CAPACITY (oversubscribed capacity storage) ST\_POOL\_OVERSUBSCRIPTION\_SITUATION (Oversub pool status ST\_POOL\_SUBSCRIBED\_CAPACITY (pool joint capacity) ST\_POOL\_SUBSCRIBED\_CAPACITY\_PCT (pool joint capacity percentage) ST\_SYSTEM\_SUBSCRIBED\_CAPACITY (shared storage capacity) ST\_VOLUME\_CONSUMED\_CAPACITY (capacity consumption volume)ST\_VOLUME\_CONSUMED\_CAPACITY\_PCT (volume consumption capacity percentage)ST\_VOLUME\_HOST\_VISIBLE\_CAPACITY (host volume visible capacity)ST\_VOLUME\_MAPPED (mapped volume)ST\_VOLUME\_RESPONSE\_TIME (volume response time)ST\_VOLUME\_TIME\_SINCE\_LAST\_ACTIVITY (volume time from last activity)ST\_VOLUME\_TRANSFER\_BYTE\_RATE (byte rate transfer volume)STOHOSTBYHOST\_ALLOCATED (space allocated by host)BYHOST\_SIZE (by physical size host) to customize the volume of MONITORING ETL implementation configuration.Expand ETL additional settings menu. From volumes pull-down lists, choose one of the following options:OptionResultDisabledVolumes have not been discovered. Volume-related metrics are not loaded into the console. Collected for metric calculations (default), all volumes are discovered and their metrics are collected and processed. Volume-related metrics are not loaded into the console. Collected volumes and ImportedAll are discovered and their metrics are collected and processed. Volume-related metrics are stored in the database, processed and loaded into the console. Click Save.Running Task Extractor Service click here to expand... An ETL task can be run manually to restore performance metrics. Please note that the steps mentioned in this section are not mandatory and are only required if ETL is not currently scheduled to run. To execute the TASK ETL:Access the TrueSight Capacity Optimization Console.In the Administration tab, select ETL &amp; System Tasks &gt; ETL Tasks.Click to run the ETL task. When the run is complete, the value of the status column SERVICE\_ON in the ETL tasks table will be changed to one. Frequency is the amount of data collection. The default frequency collection is set to 15 minutes, meaning that it only applies to entities with an average duration of 900 seconds. However it can be modified to include more entities and performance metrics. To adjust the collecting frequency:Edit the ETL Run Configuration:In the Administration tab, click ETL &amp; System Tasks &gt; ETL tasks. Click on the ETL task link you want to set the frequency of its collection. To stop running the service, click the Stop button, then click Button in the Run Settings section. Clicking on the link you can manually edit the ETL properties of this page presented at the bottom of the page to display a list of editable options. Find the service.period option, and enter the number of milliseconds corresponding to the frequency at which the data will be collected. If you want the collecting frequency to include both storage systems and storage pools for example, you have to adjust the collecting frequency to 7200,000 milliseconds (2 hours). Click Save.Start the ETL. Lookup Dell Compellent's details of etl manager's tenure to optimize trueSight capacity, see the definition of the following areas:TypeLookup fieldsStorage SystemDEFAULTStorage PoolDEFAULTStorage VolumeDEFAULTAULT This page was useful? Yes without sending... Thank you last modified by Bipin Inamdar on January 16, 2018 task of merging etis sentry legal notices powered by Transatlantic Confluence and Scroll Viewport Viewport

