

CA Capacity Management - 2.9.3

Release Notes

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Table of Contents

New Features and Enhancements	6
HTTPS Support for CCC/DM and CCR	6
Version Support	6
Updates to the capman_da Probe	6
Resolved Issues	7
New Parameters	7
Modified Parameters	7
Removed Parameters	8
Considerations	9
Current Capacity Reporter	9
Documentation: capman_da Probe	9
Upgrade Path	10
Version Compatibility	11
Resolved Issues	12
Fixed 4K character limit in Data Manager resource lists	12
Fixed missing data in REGRESSION_VALUES table	12
Fixed server names used in Tivoli 6.3 Data Adapters	12
Known Issues: Capacity Command Center	14
Third-party Acknowledgements and Notices	28
Capacity Command Center Third-party Acknowledgements	28
Current Capacity Reporter Third-party Acknowledgements	32

Release Notes

Welcome to CA Capacity Command Center 2.9.3.

The Release Notes include information about new and enhanced features, resolved and known issues, and other considerations you need to know about the release.

- [New Features and Enhancements \(see page 6\)](#)
- [Considerations \(see page 9\)](#)
- [Upgrade Path \(see page 10\)](#)
- [Version Compatibility \(see page 11\)](#)
- [Resolved Issues \(see page 12\)](#)
- [Known Issues: Capacity Command Center \(see page 14\)](#)
- [Third-party Acknowledgements and Notices \(see page 28\)](#)

New Features and Enhancements

This release includes the following new features and enhancements:

- [HTTPS Support for CCC/DM and CCR \(see page 6\)](#)
- [Version Support \(see page 6\)](#)
- [Updates to the capman_da Probe \(see page 6\)](#)

HTTPS Support for CCC/DM and CCR

Group synchronization between CCC/DM and CCR is now possible in a secure environment by enabling HTTPS. See [Enabling Group Synchronization - Enable HTTPS Access \(https://docops.ca.com/display/CCM293/Enabling+Group+Synchronization++Enable+HTTPS+Access\)](https://docops.ca.com/display/CCM293/Enabling+Group+Synchronization++Enable+HTTPS+Access) for more information.

Version Support

CA Capacity Command Center adds the following version support:

Component	Version
Apache Tomcat	7.0.64
CA Application Performance Management (APM) Data Adapter	10.1
CA Solution Kit for Microsoft SCOM	2012 R2
CA Solution Kit for Microsoft Tivoli	ITM 6.3
HP Performance Manager	9.2
Oracle Enterprise and Standard Editions	12c
Oracle Java Runtime Environment	8.0.60
VMware vSphere	6.0

Includes a configurable limitation for the number of entities included in a database query.

See [VMware Data Adapters \(https://docops.ca.com/display/CCM293/VMware+Data+Adapters\)](https://docops.ca.com/display/CCM293/VMware+Data+Adapters) for more information.

Updates to the capman_da Probe

- [Resolved Issues \(see page 7\)](#)
- [New Parameters \(see page 7\)](#)

- [Modified Parameters \(see page 7\)](#)
- [Removed Parameters \(see page 8\)](#)

Resolved Issues

The capman_da probe version 2.9.3 resolves the following issue:

Issue	Description
Incorrect parsing of QoS data	A comma in QoS data prevented proper building and parsing of the .csv file. The comma has been replaced with an underscore.

New Parameters

The following capman_da probe parameters were **added** to allow for more functional controls:

Parameter	Description
advanced_setup > probe_process_configuration > metric_type_data_collection	Specifies whether or not to collect Metric_id and Metric_type_id mapping data from NisApi web services. The default is true, to collect data.
advanced_setup > probe_process_configuration > enable_probe_monitor	Specifies whether to enable or not logging via self monitoring of probe. The default is true, to enable logging.
advanced_setup > probe_process_configuration > enable_data_cleanup	Specifies whether to enable or not the data cleanup process. The default is true, to enable data cleanup.

Modified Parameters

The location of the following capman_da probe parameters were **modified** to allow for more functional controls:

Parameter	4.9.2	4.9.3
inventory_data_collection	advanced_setup	advanced_setup > probe_process_configuration
performance_data_collection	advanced_setup	advanced_setup > probe_process_configuration
enable_thrift_upload	advanced_setup > thrift_upload_configuration	advanced_setup > probe_process_configuration
performance_data_multithreading	advanced_setup	advanced_setup > performance_data_configuration
data_queue_capacity	advanced_setup > data_queue_configuration	advanced_setup > performance_data_configuration

Parameter	4.9.2	4.9.3
data_queue_batch_size	advanced_setup > data_queue_configuration	advanced_setup > performance_data_configuration
loss_of_data_at_threshold	advanced_setup > nis_api_configuration	advanced_setup > performance_data_configuration
data_queue_capacity	advanced_setup > data_queue_configuration	advanced_setup > nis_api_configuration
data_queue_batch_size	advanced_setup > data_queue_configuration	advanced_setup > nis_api_configuration

Removed Parameters

The following capman_da probe parameter was **removed**:

Parameter	Description
advanced_setup > nis_api_configuration > metric_api_data_queue_threshold_percentage	Sets the threshold of the data queue size for metric API data calls.



Note: For detailed information about each of these parameters, see [capman_da Probe Configuration \(https://docops.ca.com/display/UIMPGA/capman_da+Probe+Configuration\)](https://docops.ca.com/display/UIMPGA/capman_da+Probe+Configuration) in the [CA Unified Infrastructure Management Probes \(https://wiki.ca.com/display/UIMPGA\)](https://wiki.ca.com/display/UIMPGA) documentation.

Considerations

Current Capacity Reporter

Support for Windows 2012

CCR supports Windows 2012 R2. Note the following about setting up CCR for Windows 2012 R2:

- If the IIS modules are already installed, see [Install CCR on Windows 2012 \(https://docops.ca.com/display/CCM293/Install+CCR+on+Windows+2012\)](https://docops.ca.com/display/CCM293/Install+CCR+on+Windows+2012) for information on configuring the Application Pool.
- If the IIS modules are not installed, see "How to Install Current Capacity Reporter (CCR) on Windows Server 2012 R2," on the CA Communities site.

Documentation: capman_da Probe

Considering that the capman_da probe is a UIM probe, the probe information is moved to the UIM documentation. See the dedicated article in the [CA Unified Infrastructure Management Probes \(https://wiki.ca.com/display/UIMPGA/CA+Unified+Infrastructure+Management+Probes\)](https://wiki.ca.com/display/UIMPGA/CA+Unified+Infrastructure+Management+Probes) documentation to learn how to set up and configure the capman_da probe.

Upgrade Path

The CA Capacity Command Center installer performs either a full new installation or an upgrade.

This release supports the following upgrade paths:

- 2.9.2 to 2.9.3
- 2.9 to 2.9.3
- 2.8 to 2.9.3
- 2.7 to 2.9.3

To upgrade from earlier versions, you must first upgrade to CA Capacity Command Center 2.7.

Version Compatibility

This release supports the following version updates:

- NISAPI 8.21 or later
- capman_da probe 2.93: We support all NisApi versions. From 8.21 and above, we support _XP endpoint for fast processing.
- The latest **Solution_Kit_for_Tivoli_2_1_0_DM.zip** will work only for Data Manager 2.9.2 and above. Please find below the details of the adapter files:
 - 6.3 Adapter – supports all (Oracle, DB2, SQLServer)
 - 6.2 Adapter – supports Oracle

Resolved Issues

The following issues were resolved in this release:

- [Fixed 4K character limit in Data Manager resource lists \(see page 12\)](#)
- [Fixed missing data in REGRESSION_VALUES table \(see page 12\)](#)
- [Fixed server names used in Tivoli 6.3 Data Adapters \(see page 12\)](#)

Fixed 4K character limit in Data Manager resource lists

Data Manager resource lists had a limit of 4,000 characters. This limit has been removed in this release by updating the data type of the 'datasources_details_config' table from **varchar2** to **CLOB**. The 'datasources_details_config' table is used by the CCR reports **Data Source & Host** and **Health - Source Counts**. Users need to update the query of these reports by adding a `to_char()` function to the value column before retrieving data. For example:

Instead of:

```
SELECT distinct value FROM DATASOURCES_DETAILS_CONFIG;
```

use:

```
SELECT distinct to_char(value) FROM DATASOURCES_DETAILS_CONFIG;
```

Fixed missing data in REGRESSION_VALUES table

The REGRESSION_VALUES table did not include metrics associated to entities that were identified by `entity_name` and `instance_name` in the ENTITY_FACT table. This issue has been fixed by enhancing the REGRESSION_VALUES table and updating the Regression_precalc package.

Fixed server names used in Tivoli 6.3 Data Adapters

Updated `entity_name` in tables `entity`, `server_dim`, `server_virtual_dim`, `entity_config`, `regression_values` to ensure data are synchronized between Tivoli 6.2 and Tivoli 6.3 Data Adapters.



Notes:

- Please contact CA Support to obtain the upgrade path from Tivoli 6.2.2 and prior versions to Tivoli 6.3.
- Tivoli 6.3 is available for Data Manager version 2.9.2 and above.

to_char() function

Known Issues: Capacity Command Center

When using Capacity Command Center, you might encounter the following known issues:

Item #	Known Issue
DE4 5134	<p>Description</p> <p>Occasionally, data from CA UIM probes is missing.</p> <p>To verify whether or not data is collected from these probes, you can view collected data from the CA UIM Performance Reports Designer, which you access through the CA UIM Unified Management Portal (UMP). For more information about UMP and viewing reports reference Use the Unified Manager Portal (https://wiki.ca.com/display/UIM83/Use+the+Unified+Management+Portal).</p>
DE4 4874	<p>Description</p> <p>Within CA Capacity Command Center, Administration, Server Configuration, Server Groups, the Group Name of the physical systems may display incorrect domain names.</p> <p>This does not affect system operation.</p>
DE4 4694	<p>Description</p> <p>Disabling data sources through CA Capacity Command Centers, Server Configuration, Data Sources may lead to servers displayed as "unknown" in server groups and resource score.</p> <p>Re-enabling those data sources bring back the status to the original state with no "unknown" servers displayed. It may take up to one hour for that change to take affect.</p>
DE4 4598	<p>Description</p> <p>capman_da probe data is pushed to the Data Manager hourly for metrics and daily for configuration data, based on the schedule configured for the capman_da probe.</p> <p>If you try and retrieve data source information before the data is pushed, an error message displays. This error message can be ignored. The data becomes available after it is pushed to the Data Manager.</p>
DE4 2162	<p>Description</p> <p>When using the VMware Data Adapters, the staging error: "Missing Operand in the expression" may appear intermittently in the staging Error log. This is a message that can be ignored.</p>
DE4 4877	<p>This occurs if vCenter does not provide all metrics for a specific span of time.</p>
DE4 0449	<p>Description</p> <p>When two servers are configured for SRM (Site Recovery Manager), CA CCC treats these servers at one server, instead of two separate servers.</p> <p>This may result in TPP calculation fluctuating between the two server instances in the configuration.</p>

Item #	Known Issue
DE3 8866	<p>Description</p> <p>The VM metric file displays duplicate data in the vm_overall_cpu_usage column of the .csv file.</p> <p>Workaround</p> <p>Do one of the following:</p> <ul style="list-style-type: none"> Use Admin Console to update the capman_da probe configuration as follows: <pre><vm_overall_cpu_usage> matching_metric_type = '1.5:35' additional_match = (primaryRole.indexOf('Virtual') == 0) && ((pds.getPDS('udata').getString('target')).indexOf('OverallCpuUsage') == 0) </vm_overall_cpu_usage></pre> <p>Or,</p> <ul style="list-style-type: none"> Deactivate the VMware CPU Usage in MHz (Average) monitor.
DE3 8565	<p>Description</p> <p>Data Manager may display multiple instances of the same data source.</p>
DE3 8570	<p>Description</p> <p>Archives may become corrupted if directories containing data generated by the capman_da probe contain sub-directories.</p>
DE3 8862	<p>Description</p> <p>When DM Groups are created for IBM VM data, hosts are shown in CCC as „nonvirtualized;“ VMs are grouped as „na.“</p>
DE3 8863	<p>Description</p> <p>IBM VM hosts are shown as physical servers in Capacity Manager.</p> <p>Workaround</p> <p>In the Alphabetic View, edit the server's configuration, and assign it a VMM.</p>
DE3 8668	<p>Description</p> <p>IBM VM LPAR Online_Memory metrics are not displayed in Data Manager.</p>
DE3 7621	<p>Description</p> <p>The CCR Group Sync feature may fail after the DM Groups job completes.</p> <p>Workaround</p> <p>Contact CA technical support for assistance.</p>

Item Known Issue
#

2181 **Description**
25

If you reload the browser after logging into the CA Data Manager, a "500 error in Tomcat" error is generated.

Workaround

Exit the Data Manager and log back in.

2092 **Description**
62

When the Generic CSV data adapter is used as the base for a new data adapter, it does not validate and does not support cml_name.

Workaround

Contact CA technical support for assistance.

1512 **Description**
22

During a Data Manager upgrade an Err-zerog.registry error occurs for one of the following reasons:

- If you uninstall the Web application and try to reinstall it.
- If you change the connection parameters.

Workaround

Follow these steps:

1. Navigate to the directory where the installation files are located.
 2. Delete the file: com.zerog.registry.xml.
 3. Rerun the Capacity Command Center installer.
-

1497 **Description**
86

The charts in the usage pane of the CCC dashboard do not show values greater than 100%. Any utilization value greater than 100% is reported as 100%.

Workaround

If you see a value of 100% for either the maximum utilization (shown as a blue line on the graph) or for the planning percentile (shown as a blue dot on the graph and as a percentage beside the graph), you should go to the Usage charts to determine whether usage has exceeded capacity.

Item Known Issue
#

1493 **Description**
66

(for Solution Kits installed on Linux systems) Red Hat Enterprise Linux versions 6.0 and later no longer include some 32-bit libraries that are required by the CA Solution Kits for Data Manager.

The following 32-bit libraries are required:

- glibc.i686
- libX11.i686

This requirement does not apply to installations on Windows systems.

Workaround

Before installing the solution kits, verify that the required libraries are available by running the following commands at a command prompt:

```
yum install libX11.i686
yum install glibc.i686
```

1474 **Description**
78

(for users of the Custom Data Adapter SDK™ 2.0) The Data Adapter sample files distributed with the Custom Data Adapter SDK 2.0 do not contain the most recent data source type version. The earlier data source type version causes the example files to support only the metrics available in Data Manager 4.3. This limitation excludes metrics documented in the SDK reference guide as well as the metrics added since the reference guide was last updated. Attempting to load the newer metrics using a custom Data Adapter containing the wrong version of the data source type causes the loads to fail.

Workaround

Edit the custom Data Adapter XML file that you created based on the outdated sample file and change the **data_source_type version** to match the XML Schema Definition (XSD) for the version of Data Manager that you are using. For example,

```
data_source_type version="4.5"
```

XSD versions for the supported releases of Data Manager are:

- CCC 2.0.0 (Data Manager 4.4) XSD version=4.4
 - CCC 2.0.1 (Data Manager 4.5) XSD version=4.4
 - CCC 2.1.0 (Data Manager 4.6) XSD version=4.5
 - CCC 2.2.0 (Data Manager 4.7) XSD version=4.5
 - CCC 2.2.1 (Data Manager 4.8) XSD version=4.5
 - CCC 2.3.0 (Data Manager 4.9) XSD version=4.5
 - CCC 2.4.0 (Data Manager 5.0) XSD version=4.5
-

Item Known Issue

#

1227 **Description**

45

The CA Application Performance Management (APM) Data Adapter (DA) might not collect the CPU metrics (defined in the cpuMetrics map of the DA XML file) when more than one agent is running on a host.

This problem can occur when *all* the following conditions are met:

- Two (or more) agents are running on a host.
- One of the agents does not collect CPU metrics.
- Both agents are defined in the data source definition.
- The CA APM DA pulls data for the agent not collecting CPU metrics first.

Workaround

Create separate data sources for the two agents. That is, create one data source for the agent that provides CPU information and a separate data source for the agent that does not provide CPU information.

9710 **Description**

8

When you change or delete groups in CCC, the charts and group navigation lists do not always reflect the changes immediately.

Workaround

To see the groups in the Server Configuration panel only (which enables you to set their status to preferred), you can run the much shorter process of reloading the Server and Group Configurations by clicking **Reload** on the **System Health** tab.

After you change or delete groups, refresh the browser display. If you still do not see your changes, run the precalculation rollup process, as follows:

1. In the Capacity Command Center user interface, select the **Administration** tab, then the **System Health** tab.
 2. Select **Start** beside **Precalculations and Rollups**.
-

Item Known Issue

#

9566 Description

9

Server names might appear as “[Name Unknown]” in server lists within CCC (for example, in lists of reference servers used when creating a workload template).

This problem occurs when *all* of the following conditions are met:

- You collect data from multiple data sources.
- Different data sources provide different server configuration details (for example, one data source provides the server name, while other data sources provide details about chips and memory).
- You have disabled the data source that provides the server name within CCC.

Workaround

Enable any disabled Data Sources that contain necessary server configuration details. (You can also deactivate servers with missing names if you no longer need them.)

8483 Description

2

VM consumption appears to exceed VM capacity in the CCC Resource Score Charts.

This condition can occur for the following reasons:

- On hosts with processor chips that have turbo-mode (dynamic overclocking) capabilities (select AMD, IBM, and Intel chips), VM consumption can at times appear to exceed VM capacity. If the rest of the system is not heavily loaded, the turbo-mode feature can allocate an increased clock rate to the processors of a single VM with a high service demand, which results in that VM receiving more than its typical share of the capacity of the host. The charts correspondingly show consumption exceeding capacity.
- In rare cases, the modeling of the CPU consumption of the hypervisor might cause the capacity of the host to be undercalculated.

Workaround

No workaround is required. The CCC charts accurately represent the consumption of the VM.

You should consider rightsizing VMs that frequently exceed their capacity. The additional capacity that turbo-mode capabilities can provide are dependent on the load on all VMs on the host and might not always be available when required, causing potential performance degradation.

Item Known Issue

#

7490 Description

3

If you run the Virtual Placement Manager installer or a CA Solution Kit for data Manager installers from the Microsoft Windows desktop, then the Windows Program Compatibility Assistant will display a dialog after the installation completes which says, "This program might not have installed correctly" and offers the option of reinstalling. The cause of this dialog is that the installer does not tell Windows that it works correctly with Windows 7. There is no need to reinstall.

Workaround

You can safely dismiss the dialog or choose the "This program installed correctly" option. The program installed correctly.

4505 Description

7

Scheduled Loads in Data Manager fail when you select more than one data source in the first dialog.

Workaround

You must currently select a single data source for each scheduled load.

4504 Description

8

The CA Data Manager Data Adapter for NMON assumes that simultaneous multithreading (SMT) is set to a value of '2', which is incorrect for POWER7 platforms which have SMT set to '4'.

Workaround

You can override the SMT=2 assumption by loading host configuration in a generic CSV file:

1. In a Generic CSV file, define Server Name, Time Stamp, Total Cores, Total Threads, and Threads/Core.
 2. In the Data Manager user interface, load and migrate the Generic CSV file.
 3. In the CCC user interface, on the Data Sources tab (available from the Administration tab), give the Generic CSV data source a higher priority than the NMON data source and save your changes.
 4. In the CCC user interface, on the Server Configuration tab (available from the Administration tab), download the server configuration spreadsheet and assign a server configuration for each server in the Generic CSV data. Upload the edited server configuration spreadsheet.
-

Item Known Issue

#

4493 Description

3

To optimize application responsiveness, some of the database data is cached in memory. For that reason, newly loaded data may not show in the user interface of the application.

Workaround

Reload or refresh the browser page.

4490 Description

7

(*Linux installations only*) The Apache Tomcat service sometimes fails to shut down completely after you perform the normal steps to stop the service (using the bin\shutdown.sh utility) even though a message states the shutdown was successful.

In this case, the task which required the shut down of Tomcat (for example, installing Solution Kits) is likely to fail.

Workaround

Verify that the service shut down completely by entering the following command at a command prompt:

```
ps -ef | grep omcat
```

If the command returns an ID, the process is not stopped.

To kill the process, enter the following command:

```
kill <process id>
```

4483 Description

8

When the CCC user interface processes operations that take a long time (such as loading preferred servers), Microsoft® Internet Explorer® (IE) version 8 sometimes might display a warning that states,

"Stop running this script? A script on this page is causing your web browser to run slowly. If it continues to run, your computer might become unresponsive."

Workaround

If you see this message, click "No" to allow CCC to continue its processing.

You can use IE 9 or a supported version of Firefox to avoid this problem.

(*advanced Windows users only*) To prevent this message from being displayed in IE 8, you can edit the Windows registry, as described in the Microsoft Knowledge Base article at <http://support.microsoft.com/kb/175500>.

**Item Known Issue
#****4469 Description**

1

When loading data for VMware vCenter™ 4.0 using the VMware_VC40_DAILY and VMWARE_VC40_WEEKLY Data Adapters, the following error is issued:

"Error collecting data from the monitor database. Contact the administrator to investigate accessibility of monitor database."

This error message is issued because the Data Adapters attempt to gather folder information which is not stored in a supported format in VMware vCenter 4.0. All other data is collected correctly.

Workaround

Upgrade to VMware vCenter version 4.1 or later, which provides the expected folder information.

4455 Description

7

If your data contains metrics which have null values and if CCC performs arithmetic transformations on those metrics during the staging process, the CCC database might display an error message stating "Value for the column cannot be determined " or "Error parsing the expression." The error message is issued because CCC cannot calculate the value for a derived metric when the base metric is not available. The available metrics are staged correctly, and no data is lost.

Workaround

The error messages are informational only, and no workaround is required.

4426 Description

9

If installation fails while in the process of creating the database schema, the uninstall process is not able to drop the schema objects because the uninstall scripts (drop_all_objects.sql and so on) have not yet been installed.

Workaround

To work around this problem, you must drop the schema or run the drop_all_objects.sql manually, correct the original cause of the failure, then rerun the installer.

4418 Description

2

The following CA Data Manager Data Adapters for VMware vCenter include "VC40" in their names even though they support VMware vCenter versions 5.0, 4.1, and 4.0.

- VMWARE_VC40_Daily
- VMWARE_VC40_Weekly

Workaround

No workaround is required. These DAs support all three versions of vCenter.

Item Known Issue

#

4401 Description

2

For multi-threaded platforms, many data sources do not provide enough information to know whether multi-threading is on or off. For these data sources, CCC assumes that multi-threading is on. This can cause (host or physical) capacity to be reported incorrectly.

Data collected with the following Data Adapters for servers which have multi-threading disabled might exhibit this problem:

- BMC Output File
- CA APM
- HP-OVI
- HP-OVPI hourly data
- HP-OVPI rate data
- Performance Monitor output file
- SAR output file
- Tivoli ITM 5.1
- Tivoli ITM 6.1 Windows
- Tivoli ITM 6.2 AIX Premium
- Tivoli ITM 6.2.2 Windows

Workaround

To work around this problem, you can override 'threads per core' via a CSV file into the database so that CCC has enough information to correctly compute server capacity. Set 'threads per core' to 1 if multi-threading is off. If multi-threading is on, set 'threads per core' to N, where N is the number of threads per core supported by the hardware platform. For information about how to override server configuration information, see [Override Configuration Information \(https://docops.ca.com/display/CCM293/Override+Configuration+Information\)](https://docops.ca.com/display/CCM293/Override+Configuration+Information).

4357 Description

1

Some Data Manager views are not compiled during installation which causes them to be displayed with a red X in the SQL Developer view list. This is a display issue only. The views work properly and will display properly after being used the first time.

Workaround

No workaround is required. Select and use the views as you normally would.

Item Known Issue
#

4334 **Description**

0

When loading SAP ST03 data into the database using the Data Adapter for SAP, an exception can occur during migration. This exception is caused by null ACCOUNT_ID values in the SAP ST03 data.

The error message associated with this exception is "Error writing to database due to insufficient information in the input data row to create mandatory entries in the database."

Workaround

Contact CA technical support for assistance.

4302 **Description**

4

The maximum memory constraints for some models in the Component Model Library (CML) might be too low because of changes made to newer hardware releases by vendors. Because the value for the model changed since the model was developed, you might not be able select the correct model when configuring a server if the amount of configured memory for the server is greater than that allowed for the model.

Workaround

Contact CA technical support to request a new CML model.

4297 **Description**

2

Duplicate rows in source workload data can cause rows to be dropped by the staging process, resulting in data loss.

Workaround

Before loading workload data (either by CSV or JDBC), ensure that no duplicate entries exist in your source data.

4193 **Description**

6

If you disable the only data source that provides configuration information for an existing cluster, when you reload Capacity Command Center (by restarting the Tomcat CA_CCC service), the cluster is displayed as [Name Unknown] in the selection list in the Placement Definition panel.

Workaround

Enable a data source that provides configuration information for the cluster.

Item Known Issue
#

4162 **Description**

4

The VM power state (on or off) is not taken into consideration during placements which can lead to disabled VMs being included in a placement. This can cause capacity or consumption to be overstated.

Workaround

For the most accurate results, do not include disabled VMs in placement definitions.

4130 **Description**

0

Changes made to the properties file (ccc.properties) sometimes do not take effect immediately because session variables are still in effect on your system.

Workaround

After updating the properties file, perform the following actions:

- Stop and restart the Capacity Command Center Apache Tomcat service.
- Close and then reopen your browser session.

4124 **Description**

6

When VMware data is imported into Data Manager using the VMware Data Adapter, VMware templates are stored in the CCC database as physical servers and therefore appear in the Capacity Command Center Server Configuration tab as physical servers.

Workaround

Ensure that you do not select any VMware templates as preferred servers when performing server configuration activities within Capacity Command Center. Templates are often identified by the word "template" in the name.

4123 **Description**

6

A placement can fail if a VM, host, or converged compute template is deleted after it has been selected for use in a placement but before the placement is run. This is most likely to occur in a multi-user environment in which the user maintaining the templates is unaware that another user is creating a placement.

Workaround

To avoid the problem, ensure that no users are creating placements before deleting templates.

If the problem occurs during placement creation, select a different template and rerun the placement.

Item #	Known Issue
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4108	Description 0
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When defining a placement exercise, if you select an existing empty cluster (that is, a cluster which has no hosts) as a target and uncheck the **Autoscale cluster** option, the following message is displayed when you click **Solve Placement**:

“Model placement failed. IllegalArgumentException”.

Workaround

Ensure that the **Autoscale cluster** option is selected when using an empty cluster as a target.

4103	Description 7
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During a placement exercise using the **Autoscale cluster** option, choosing a host template that is too small to accommodate some of the VMs might cause an empty host to be added to the cluster. This occurs because the capacity required for the cluster as a whole causes a host to be added without regard for the size of the VMs that must be placed on the new host.

Workaround

Select a larger host template to use for the placement exercise.

4076	Description 3
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The product is unable to recognize when a virtualized server is converted to a physical server if it retains the same server name. In this case, the product continues to treat the physical server as though it was a VM.

Workaround

When you convert a VM to a physical server, you should give the physical server a different name.

4054	Description 7
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In the Data Source dialog, the asterisk which indicates a change was made is not always displayed correctly. For example, disabling a data source and then changing its priority causes the asterisk to be removed, while re-enabling the data source at the new priority position causes the asterisk to be displayed.

Workaround

This is a display issue only and no workaround is required. Data source changes are retained correctly.

Item #	Known Issue
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4003	Description
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8	
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When creating data sources, be aware that you cannot use more than 4000 characters when specifying servers within a single data source.

Workaround

Use the new wild card functionality to specify large numbers of servers in a single data source or create multiple data sources. See [Capacity Command Center Administration \(https://docops.ca.com/display/CCM293/Capacity+Command+Center+Administration\)](https://docops.ca.com/display/CCM293/Capacity+Command+Center+Administration) for information about how to use wild cards.

Third-party Acknowledgements and Notices

This section lists third-party license agreements and notices.

- [Capacity Command Center Third-party Acknowledgements \(see page 28\)](#)
- [Current Capacity Reporter Third-party Acknowledgements \(see page 32\)](#)

Capacity Command Center Third-party Acknowledgements

This section lists the third-party software products included in Capacity Command Center/Data Manager and Virtual Placement Manager. To see the license texts, [click here](#).

- Apache Ant 1.5.3
- Apache Axis 1.2
- Apache Commons Beanutils 1.6
- Apache Commons Beanutils 1.8.3
- Apache Commons Codec 1.5
- Apache Commons Codec 1.9
- Apache Commons Collections 2.1.1
- Apache Commons Collections 3.1
- Apache Commons Configuration 1.2
- Apache Commons Digester 1.5
- Apache Commons Discovery 0.2-dev
- Apache Commons File Upload 1.3
- Apache Commons File Upload 1.3.1
- Apache Commons IO 2.2
- Apache Commons Lang 2.1
- Apache Commons Lang 3.3.2
- Apache Commons Logging 1.0.3
- Apache Commons Logging 1.1.1

- Apache Commons Pool 1.2
- Apache Commons Pool 2.2
- Apache Commons DBCP 1.4
- Apache Groovy 2.3.6
- Apache HttpComponents HttpCore 4.3.2
- Apache Jakarta Commons DBCP 1.2.1
- Apache Jakarta Commons DBCP 1.4
- Apache Jakarta Commons IO 1.3.2
- Apache Jakarta Commons IO 2.4
- Apache Jakarta Commons Validator 1.1.3
- Apache Jettison 1.1
- Apache Math3 3.2
- Apache Mime4J 0.6
- Apache Shiro 1.2.3
- Apache Struts 1.2.4
- Apache Thrift 0.9.2
- Apache Tomcat 7.0.64
- ASM 3.1
- AspectJ 1.7.1
- AspectJ 1.7.4
- cglib 2.2.1
- Commons Collections 3.2.1
- core4j 0.5
- dom4j 1.6.1
- dom4j 1.6.1 1
- drizzle-jdbc 1.2

- ehcache-core 2.6.0
- Gin 2.1.2
- Google Web Toolkit 2.5.1
- Guava 16.0.1
- guice 3.0
- GWT Platform 1.2.1
- Hash routine from Yonik Seeley
- Hibernate Validator 4.2.0
- httpclient 4.3.4
- HttpClient Mime 4.3.4
- IBM DB2 Driver for JDBC and SQLJ
- ICU4J 3.8.1
- Jackson 1.9.13
- javax-inject 1.0.0
- JAX-RPC 1.1
- JAX-RS v1.1.1
- JBoss RESTEasy 3.0.9 Final
- JDOM 1.0
- Jersey 1.18.1
- Joda-time 2.3
- JRE v.1.8
- JRE 1.8.0_66 / 1.8.0_77
- JSON 20090211
- jsr305 2.0.1
- Log4j 1.2.8
- log4j 1.2.16

- log4jdbc 1.2
- Logback 1.1.1
- maven-artifact 3.1.1
- mybatis 3.2.5
- mybatis generator core 1.3.2
- mybatis-guice 3.3
- mybatis guice 3.3
- mybatis migrations 3.2.0
- mybatis spring 1.1.1
- odata4j 0.7
- plexus-utils 3.0.15
- POI 3.10
- Oracle 11G JDBC Driver
- saaj.jar 1.2
- SecondString v. 20120620
- Simple Logging Facade for Java (SLF4J) 1.7.6
- Simple Logging Facade for Java (SLF4J) 1.7.7
- Spring Framework v.3.2.3
- UnZip 6.0
- VJJava API
- Wsdl4j 1.5
- wsdl4j 1.5 1
- XMLBeans 2.3.0
- XPP3 1.1.3.4.M
- yavijava 6.0.01

Current Capacity Reporter Third-party Acknowledgements

This section lists the third party software products included in Current Capacity Reporter. To see the license texts, [click here](#).

- ActiveState ActivePerl 5.6.1
- Adobe Flex SDK 3.2
- Apache FOP 0.20.5
- Madcap Flare Redistributables 5.0
- OpenSSL Toolkit v0.9.8h