CA Capacity Management Implementation Proven Professional Exam (CAT-320)

Study Guide
Version 1.2
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You may also find it helpful to review the product documentation at https://support.ca.com and to participate in CA Global User Community forums at https://communities.ca.com.

The experience gained from taking courses and using the product will help you:
• Gain a comprehensive understanding of the product or solution
• Increase the likelihood of passing the exam on your first attempt

<table>
<thead>
<tr>
<th>The Exam Experience</th>
<th>Professional Exam Details</th>
</tr>
</thead>
</table>
| You can register to take an online proctored exam from your home or office using Kryterion's Online Proctoring (OLP) Services, or you can take an on-site proctored exam at a Kryterion testing center. If you choose to take an online proctored exam, you will need Internet access, an external web camera, and a computer that meets specific hardware and software requirements. For answers to frequently asked questions about registering for exams, locations, on-site and virtual proctoring, OLP equipment requirements, cancellation and re-scheduling policies and more, read our FAQs at http://www.ca.com/us/education/accreditations/certifications/certification-faq.aspx. CA employees may also go here for more information: https://one.ca.com/education/certification | ▪ Product release: Major release listed in the title; Includes subsequent point releases
▪ Recertification: There is no annual requirement to recertify for the same release of a product. For each major product release, an updated exam will be available for recertification.
▪ Number of items = 50
▪ Item types = Multiple choice, including multiple response questions
▪ Time to complete test: 90 minutes
▪ Passing score is 70%
▪ Attempts Permitted: You may register for your first retake immediately. For subsequent retakes you are required to wait at least thirty (30) calendar days from the date of your last attempt. Read the online FAQs for details. |
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- Acquiring or attempting to acquire exam content through CA Subject Matter Experts, CA Support Staff, or CA Certified Professionals
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- Taking or attempting to take an exam for someone else
- Receiving or giving assistance during an exam
- Sharing exam questions or answers with a potential certification candidate
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## Exam Objectives

Exam objectives as they map to related courseware and the body of knowledge, including percentage of exam devoted to topics.

<table>
<thead>
<tr>
<th>Exam Objectives</th>
<th>Related Content</th>
<th>Exam Focus</th>
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</thead>
</table>
| Understanding the Basic Features of CA Capacity Management | 22CCM20021 CA Capacity Management Current State Reporting: Installation, Configuration, Administration 200, Rev. 3  
*Describe the Basic Features of CA Capacity Management* | 6%                     |
| Understanding CA Data Manager                           | 22CCM20021 CA Capacity Management Current State Reporting: Installation, Configuration, Administration 200, Rev. 3  
*Describe CA Data Manager*                             | 4%                     |
| Understanding CA CCC                                     | 22CCM20021 CA Capacity Management Current State Reporting: Installation, Configuration, Administration 200, Rev 3  
*Describe CA CCC*                                        | 6%                     |
| Installing CA Data Manager and CA CCC                    | 22CCM20021 CA Capacity Management Current State Reporting: Installation, Configuration, Administration 200, Rev. 3  
*Install CA Data Manager and CA CCC*                     | 6%                     |
| Configuring Data Adapters for CA Data Manager           | 22CCM20021 CA Capacity Management Current State Reporting: Installation, Configuration, Administration 200, Rev. 3  
*Configure Data Adapters for CA Data Manager*            | 8%                     |
| Configuring Data Adapters for CA Data Manager           | 22CCM20021 CA Capacity Management Current State Reporting: Installation, Configuration, Administration 200, Rev. 3  
*Configure Data Adapters for CA Data Manager*            | 8%                     |
| Load and Migrating Data Using CA Data Manager           | 22CCM20021 CA Capacity Management Current State Reporting: Installation, Configuration, Administration 200, Rev. 3  
*Load and Migrate Data Using CA Data Manager*            | 14%                    |
| Load and Migrating Data Using CA Data Manager           | 22CCM20021 CA Capacity Management Current State Reporting: Installation, Configuration, Administration 200, Rev. 3  
*Load and Migrate Data Using CA Data Manager*            | 14%                    |
| Load and Migrating Data Using CA Data Manager           | 22CCM20021 CA Capacity Management Current State Reporting: Installation, Configuration, Administration 200, Rev. 3  
*Check the Status of Loads*                              | 14%                    |
| Load and Migrating Data Using CA Data Manager           | 22CCM20021 CA Capacity Management Current State Reporting: Installation, Configuration, Administration 200, Rev. 3  
*Check Log Files for Errors or Warnings*                 | 14%                    |
| Load and Migrating Data Using CA Data Manager           | 22CCM20021 CA Capacity Management Current State Reporting: Installation, Configuration, Administration 200, Rev. 3  
*Identify Guidelines for Initial Data Loading*           | 14%                    |
| Load and Migrating Data Using CA Data Manager           | 22CCM20021 CA Capacity Management Current State Reporting: Installation, Configuration, Administration 200, Rev. 3  
*Purge Data*                                              | 14%                    |
| Understanding CA CCR                                     | 22CCM20021 CA Capacity Management Current State Reporting: Installation, Configuration, Administration 200, Rev. 3  
*Describe CA CCR*                                         | 4%                     |
| Installing CA CCR                                        | 22CCM20021 CA Capacity Management Current State Reporting: Installation, Configuration, Administration 200, Rev. 3  
*Install CA CCR*                                          | 6%                     |
<table>
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| Creating CA CCR Reports                     | 22CCM20021 CA Capacity Management Current State Reporting: Installation, Configuration, Administration 200, Rev. 3  
Create CA CCR Reports                       | 2%                     |
| Understanding CA Capacity Manager           | Reference Guides and Field Experience  
Describe CA Capacity Manager                 | 2%                     |
| Performing a CA Capacity Manager Installation| 22CCM20031 CA Capacity Management Capacity Manager r5.1.2: Foundations 200  
Perform a CA Capacity Manager Installation  | 2%                     |
| Defining the Infrastructure                 | 22CCM20031 CA Capacity Management Capacity Manager r5.1.2: Foundations 200  
Define the Infrastructure                   | 4%                     |
| Building the Data Center                    | 22CCM20031 CA Capacity Management Capacity Manager r5.1.2: Foundations 200  
Build the Data Center                        | 4%                     |
| Running Scenarios                           | 22CCM20031 CA Capacity Management Capacity Manager r5.1.2: Foundations 200  
Run Scenarios                                | 6%                     |
| Upgrading a CA CCC Installation with CA VPM | 44CCM20011 CA Capacity Management Virtual Placement Manager r2.3: Foundations 200  
Upgrade a CA CCC Installation with CA VPM   | 4%                     |
| Performing CCC Administration and Resource Score Tasks | 44CCM20011 CA Capacity Management Virtual Placement Manager r2.3: Foundations 200  
Perform CCC Administration and Resource Score Tasks  
Reference Guides and Field Experience  
Resolve ServerConfiguration.xlsx              | 6%                     |
| Performing Placement and Balancing Tasks    | 44CCM20011 CA Capacity Management Virtual Placement Manager r2.3: Foundations 200  
Perform Placement and Balancing Tasks        | 4%                     |
| Upgrading Existing Versions of CA Data Manager, CA Capacity Manager, and CA CCR | Reference Guides and Field Experience  
Upgrade Existing Versions of CA Data Manager, CA Capacity Manager, and CA CCR | 4%                     |
| Creating a New Data Adapter for the SDK     | Reference Guides and Field Experience  
Create a New Data Adapter from the SDK      | 4%                     |
| Understanding CA CCR Reporting              | Reference Guides and Field Experience  
Describe CA CCR Custom Reporting              | 4%                     |
### Sample Certification Exam Questions

These sample questions are very similar to the questions in the actual exam. Some questions may include several correct options.

<table>
<thead>
<tr>
<th>Questions</th>
<th>Options</th>
</tr>
</thead>
</table>
| **Question 1** How does CA Capacity Management normalize data in a heterogeneous environment where some servers are more powerful than others?  | A. By representing larger servers as having more than 100% of available capacity and smaller servers as having less than 100%  
B. By enabling the user to upload a range of benchmarks into the Component Model Library (CML)  
C. By providing a CML that defines the average processing power of different server types  
D. By providing a CML that defines the total processing power of different server types |
| **Question 2** For CA Capacity Command Center r2.0 and later, to install and configure the Oracle database, which step do you need to perform? | A. Purge data in staging and data mart tables.  
B. Change the default settings in the Oracle configuration.  
C. Allocate sufficient space for temporary tablespaces and the undo and redo logs.  
D. Ensure that the sqlplus command line utility is available on the CA Capacity Command Center application server. |
| **Question 3** Which data adapters are among those installed with CA Data Manager by default? (Choose two) | A. CA eHealth  
B. Workload log  
C. Active Directory  
D. CA Application Delivery Analysis |
| **Question 4** The VMware data adapter gathers performance and configuration data for VMware ESX server hosts and virtual machines (VMs). By default, which type of authentication does the data adapter use to connect to the VMware Virtual Center Server database? | A. SQL Server  
B. HTTP Digest  
C. Windows authentication  
D. Extensible Authentication Protocol (EAP) |
| **Question 5** You can provide generic CSV data to CA Data Manager. When you create the CSV files, which guideline should you follow? | A. Be careful to order the columns in the required format.  
B. Make sure to use uppercase letters for the column headers.  
C. Begin comment lines with ## to capture information about the origin of data.  
D. If you specify Duration and you want the data adapter, to calculate the duration, use AUTO for values. |
| **Question 6** Which section of CA Data Manager Administration should you use to add a new data source? | A. Pull Data  
B. Database Tasks  
C. Data Source Creator  
D. Manage Data Sources |
<table>
<thead>
<tr>
<th>Questions</th>
<th>Options</th>
</tr>
</thead>
</table>
| **Question 7** In CA Data Manager, you have loaded data into the staging area. You now want to make this data available to CA Performance Optimizer. What do you need to do? | A. Migrate it to the data mart.  
B. Run Advanced Analytics Precalculations.  
C. Export it as a Performance Monitor output file.  
D. Configure the Performance Optimizer Data Adapter. |
| **Question 8** In CA Data Manager, how do you normally check the status of loads? | A. Open the Load Manager.  
B. Use the Pull Data function.  
C. View the Migrate Status Report.  
D. View the Load Summary Report. |
| **Question 9** Before running the precalculation process for the first time, what should you do? (Choose two) | A. Calculate database statistics.  
B. Set your planning percentile and enabled rollup types.  
C. Check that the data index space for staging indexes has the option to auto-extend to 30 GB in increments of 250 MB.  
D. Change the default settings in CA Capacity Command Center to prevent the precalculated data being recalculated each time you change a roll-up type. |
| **Question 10** In CA Data Manager, the automatic daily purge job: (Choose two) | A. purges all rolled-up data based on the time specified in the DAILY_PURGE_RUN_HOUR field.  
B. purges the Resource Score precalculations based on the value specified in the DB_STATS_ESTIMATE_PERCENT field.  
C. calculates the database statistics for database tables and indexes based on the value specified in the RUN_DB_STATISTICS field.  
D. purges the data mart fact tables, which contain the metric data, based on the value specified in the NUMBER_DAYS_DATA_RETAINED field. |
| **Question 11** To prevent Oracle database-related performance problems, which tasks should you perform? (Choose three) | A. Set tablespace full alerts for 90%.  
B. Set Tablespace AutoExtend to No.  
C. Analyze the CA Capacity Command Center schema on a regular basis.  
D. Monitor tablespace fragmentation for data tablespace and index tablespace.  
E. Check that automatic segment-space management is operating correctly on temporary tablespaces. |
| **Question 12** When you are installing CA Current Capacity Reporter on a 64-bit system: | A. you need to configure both the 32-bit and 64-bit versions of open database connectivity (ODBC).  
B. you need to configure the 64-bit version of ODBC only.  
C. you need to configure the 32-bit version of ODBC only.  
D. you do not need to configure ODBC. |
### Questions

**Question 13**  
In CA Capacity Manager, to correctly configure servers, which tasks can you perform? (Choose three)

<table>
<thead>
<tr>
<th>Options</th>
</tr>
</thead>
<tbody>
<tr>
<td>A. Create tiers.</td>
</tr>
<tr>
<td>B. Balance workloads.</td>
</tr>
<tr>
<td>C. Consolidate networks.</td>
</tr>
<tr>
<td>D. Configure threshold profiles.</td>
</tr>
<tr>
<td>E. Configure computer hardware.</td>
</tr>
</tbody>
</table>

**Question 14**  
In CA Capacity Manager, after you create a new scenario, changes from the previous scenario are shown:

<table>
<thead>
<tr>
<th>Options</th>
</tr>
</thead>
<tbody>
<tr>
<td>A. in red.</td>
</tr>
<tr>
<td>B. in bold.</td>
</tr>
<tr>
<td>C. in italics.</td>
</tr>
<tr>
<td>D. in yellow highlighting.</td>
</tr>
</tbody>
</table>

**Question 15**  
Which statements about CA Capacity Command Center Resource Scores are TRUE? (Choose two)

<table>
<thead>
<tr>
<th>Options</th>
</tr>
</thead>
<tbody>
<tr>
<td>A. Resource Score data can only be grouped by VMware clusters.</td>
</tr>
<tr>
<td>B. The Resource Score at the group level is aggregated up from the underlying hosts.</td>
</tr>
<tr>
<td>C. Resource Score viewers can drill down into the grouped reports to view more granular data.</td>
</tr>
<tr>
<td>D. Resource Score data can only be reported if it is measured directly from the data collection agents.</td>
</tr>
</tbody>
</table>

**Question 16**  
Which information does a 'Server Capacity Consumption – Group Interval' chart display? (Choose two)

<table>
<thead>
<tr>
<th>Options</th>
</tr>
</thead>
<tbody>
<tr>
<td>A. Resource Score</td>
</tr>
<tr>
<td>B. Re-sized clusters</td>
</tr>
<tr>
<td>C. Planning Percentile</td>
</tr>
<tr>
<td>D. Under (&lt;20%) utilization category</td>
</tr>
</tbody>
</table>

**Question 17**  
In CA Virtual Placement Manager, after you perform a placement exercise, what is the FIRST action you should take?

<table>
<thead>
<tr>
<th>Options</th>
</tr>
</thead>
<tbody>
<tr>
<td>A. Use CA Visualizer to review the results.</td>
</tr>
<tr>
<td>B. Use the Placement Replay tab to review the results.</td>
</tr>
<tr>
<td>C. Check the Violations report to see if any thresholds have been breached.</td>
</tr>
<tr>
<td>D. Copy and paste the Placement Table into an email to send to the VMware administrator.</td>
</tr>
</tbody>
</table>

**Question 18**  
If the upgrade of the CA Capacity Command Center/CA Data Manager database fails, which script can you run?

<table>
<thead>
<tr>
<th>Options</th>
</tr>
</thead>
<tbody>
<tr>
<td>A. ccc-migrate.bat</td>
</tr>
<tr>
<td>B. dm-migrate.bat</td>
</tr>
<tr>
<td>C. ccc-upgrade-db.bat</td>
</tr>
<tr>
<td>D. upgrade-ccc-db.bat</td>
</tr>
</tbody>
</table>
### Question 19
During the CA Capacity Command Center 2.0.1 install procedure, a page appears asking you if you are upgrading from CA Capacity Command Center or CA Virtual Placement Manager 1.0x. If you click Yes, to merge your existing schema with the updated schema, which file do you need to browse to?

<table>
<thead>
<tr>
<th>Options</th>
</tr>
</thead>
<tbody>
<tr>
<td>A. web.xml</td>
</tr>
<tr>
<td>B. ccc.properties</td>
</tr>
<tr>
<td>C. install-ccc-db.bat</td>
</tr>
<tr>
<td>D. hyp_dm_groups.xml</td>
</tr>
</tbody>
</table>

### Question 20
To update an existing CA Current Capacity Reporter installation, you download the update .zip file. During the update procedure, what happens when you run the load_changes.bat file? (Choose two)

<table>
<thead>
<tr>
<th>Options</th>
</tr>
</thead>
<tbody>
<tr>
<td>A. New CA Current Capacity Reporter files are automatically added.</td>
</tr>
<tr>
<td>B. Unnecessary CA NetQoS Performance Center reports are removed.</td>
</tr>
<tr>
<td>C. A new configuration.xml file is added to the \NETQOS\portal\integration\DataManager directory.</td>
</tr>
<tr>
<td>D. Data source name (DSN) settings in the Configuration.xml file are updated to reflect those of the CA Data Manager instance to be used.</td>
</tr>
</tbody>
</table>

### Question 21
You recently updated CA Current Capacity Reporter. You discover that users sometimes fail to allow report views to complete, which can result in a backlog of uncompleted SQL processes. To address this issue, you need to enable queries to time out. Where do you set this functionality?

<table>
<thead>
<tr>
<th>Options</th>
</tr>
</thead>
<tbody>
<tr>
<td>A. ccr.properties</td>
</tr>
<tr>
<td>B. Configuration.xml</td>
</tr>
<tr>
<td>C. Administration user interface</td>
</tr>
<tr>
<td>D. Oracle ODBC Driver Configuration dialog</td>
</tr>
</tbody>
</table>

### Question 22
Which file type or structure will a custom CSV data adapter extract data from?

<table>
<thead>
<tr>
<th>Options</th>
</tr>
</thead>
<tbody>
<tr>
<td>A. A database such as Oracle</td>
</tr>
<tr>
<td>B. A specific type of CSV file created by the Generic CSV File Data Adapter</td>
</tr>
<tr>
<td>C. An XML file containing data that can easily be converted to the CSV format</td>
</tr>
<tr>
<td>D. A correctly configured flat CSV file with the correct timestamp information and structure</td>
</tr>
</tbody>
</table>

### Question 23
Which macro refers to the group selected in the CA Current Capacity Reporter GUI?

<table>
<thead>
<tr>
<th>Options</th>
</tr>
</thead>
<tbody>
<tr>
<td>A. {GroupID}</td>
</tr>
<tr>
<td>B. {Group_id}</td>
</tr>
<tr>
<td>C. {CCR_GROUP}</td>
</tr>
<tr>
<td>D. {CCR_GROUP_ID}</td>
</tr>
</tbody>
</table>
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Answers

Question 1 = D
Question 2 = C
Question 3 = A and B
Question 4 = A
Question 5 = C
Question 6 = D
Question 7 = A
Question 8 = D
Question 9 = A and B
Question 10 = C and D
Question 11 = A, C, and D
Question 12 = C
Question 13 = A, D, and E
Question 14 = B
Question 15 = B and C
Question 16 = A and C
Question 17 = B
Question 18 = D
Question 19 = B
Question 20 = A and B
Question 21 = D
Question 22 = D
Question 23 = A