CA Unified Infrastructure Management 8.x Proven Implementation Professional Exam (CAT-540)

Study Guide
Version 1.4
PROPRIETARY AND CONFIDENTIAL INFORMATION

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Exam Information

The CA Technologies Certification Program is designed to measure your skills, knowledge, and expertise in managing, administering, installing, configuring and implementing select CA Technologies products for complete and optimized IT solutions. With CA certifications, management teams will have peace of mind that knowledgeable professionals are handling their CA Technologies applications.

Proctored by a third party vendor, KryterionOnline, CA Technologies certifications objectively validate the competencies of a project team – whether that team is your in-house staff, CA Technologies Professional Services, or a CA Technologies partner.

The aim of this document is to help you prepare for the CA Unified Infrastructure Management 8.x Proven Implementation Professional Exam. Make sure that you familiarize yourself with the content areas tested. Your best path to success is to attend the exam prep course(s).

You may also find it helpful to review the product documentation at https://docops.ca.com/home 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>
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| 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 = 40  
▪ Item types = Multiple choice, including multiple response questions  
▪ Time to complete test: 90 minutes  
▪ Passing score is 60%  
▪ 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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Exam Security

Only qualified candidates who demonstrate competency by successfully passing the CA Technologies certification exam will be awarded certification credentials. Prospective certification candidates are encouraged to prepare for the exam using the Exam Study Guide and other materials available on the Certification from CA Technologies website.

To safeguard the integrity of the certification program, CA Technologies requires all candidates to behave in an ethical manner and to comply with the rules of the third-party test center for on-site proctoring and on-line proctoring. The validity of the certification program depends on the exam content remaining secure and undisclosed to other potential certification candidates. CA Technologies will not tolerate cheating, fraud, or misconduct, which includes but is not limited to the following:

- Obtaining, whether through purchase or otherwise acquiring, unauthorized exam preparation materials from any non-CA website
- Obtaining, whether through purchase or otherwise acquiring, unauthorized exam questions from any non-CA website, including brain dump websites
- Acquiring or attempting to acquire exam questions through online communities, chat rooms, screen capture software, forums, and social networking sites
- Acquiring or attempting to acquire exam content through CA Subject Matter Experts, CA Support Staff, or CA Certified Professionals
- Using or attempting to use a proxy to sit for the exam in your place
- 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
- Violating testing center rules
- Falsifying a diploma or score report
- Using a CA Technologies certification logo or credential to which you are not entitled

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Areas of Study

Support.ca.com

Experience

Prior Knowledge

Best Practices

Youtube.com/catechnologies

Developer.ca.com

Docops.ca.com

Communities.ca.com

Use Cases & Scenarios

Practical Application of Course Concepts

Additional Resources:
The following links include a series of helpful videos that reinforce course content and other documentation:

- CA Unified Infrastructure Management Overview
- CA Unified Infrastructure Management 8.5.x: System Administration Foundations 200 20NMS20351 32 hours
- OR
  - OnDemand CA Unified Infrastructure Management 8.5.x: System Administration Foundations 200 20NMS20350 12 hours
- CA Unified Infrastructure Management 8.5.x: Advanced Presentation and Reporting 300 20NMS30141 24 hours
- OR
  - OnDemand CA Unified Infrastructure Management 8.5.x: Advanced Presentation 300 20NMS30120 6 hours
  - OnDemand CA Unified Infrastructure Management 8.5.x: Advanced Reporting 300 20NMS30130 6 hours

Search the CA Education Portal for latest courses, as they may not have been available at the time of this document posting:
- Partners & Customers look here: http://education.ca.com
- Employees look here: https://learn.ca.com/

For documentation, Communities, and more visit: https://docops.ca.com/home

Register for the exam here: www.webassessor.com/catechnologies/index.html

CA Unified Infrastructure Management 8.x Proven Implementation Professional Exam (CAT-540)
## 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>
<tbody>
<tr>
<td>Installing CA UIM</td>
<td>Documentation at support.ca.com, Field Experience&lt;br&gt;Note: For the basic installation procedures, see the Install CA UIM 8.5.1 video series referenced in the CA UIM learning path. More advanced content is covered in the online documentation.</td>
<td>12.5%</td>
</tr>
<tr>
<td>Understanding CA UIM Architecture and Monitoring Governance</td>
<td>20NMS20351 CA Unified Infrastructure Management 8.5.x: System Administration Foundations 200&lt;br&gt;CA UIM Architecture &amp; Monitoring Governance&lt;br&gt;• Identify the Architecture and Key Components of CA UIM&lt;br&gt;• Apply Monitoring Governance to Fulfill Your Monitoring Requirements</td>
<td>7.5%</td>
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<tr>
<td>Creating USM Groups</td>
<td>20NMS20351 CA Unified Infrastructure Management 8.5.x: System Administration Foundations 200&lt;br&gt;Create USM Groups&lt;br&gt;• Create USM Groups&lt;br&gt;• Complete Basic Probe Deployment and Configuration</td>
<td>5%</td>
</tr>
<tr>
<td>Understanding Discovery and Robot Deployment</td>
<td>20NMS20351 CA Unified Infrastructure Management 8.5.x: System Administration Foundations 200&lt;br&gt;Discovery and Robot Deployment&lt;br&gt;• Perform Network Discovery&lt;br&gt;• Deploy Robots</td>
<td>27.5%</td>
</tr>
<tr>
<td>Configuring SNMP Data Monitoring</td>
<td>Documentation at support.ca.com, Field Experience&lt;br&gt;Configure SNMP Data Monitoring</td>
<td>2.5%</td>
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<tr>
<td>Understanding Basic Alarm Notifications</td>
<td>20NMS20351 CA Unified Infrastructure Management 8.5.x: System Administration Foundations 200&lt;br&gt;Basic Alarm Notifications</td>
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<tr>
<td>Understanding Advanced Monitoring Administration</td>
<td>20NMS20351 CA Unified Infrastructure Management 8.5.x: System Administration Foundations 200&lt;br&gt;Advanced Monitoring Administration&lt;br&gt;• Configure Monitoring with MCS&lt;br&gt;• Define and Configure Probe Packages and SuperPackages</td>
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<td>Performing Advanced Hub and Robot Configuration</td>
<td>20NMS20351 CA Unified Infrastructure Management 8.5.x: System Administration Foundations 200&lt;br&gt;Perform Robot Configurations&lt;br&gt;• Plan Hub-to-hub Communications&lt;br&gt;• Implement Hub-to-hub Communications</td>
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<tr>
<td>Performing SLM Tasks</td>
<td>20NMS20351 CA Unified Infrastructure Management 8.5.x: System Administration Foundations 200&lt;br&gt;Perform SLM Tasks&lt;br&gt;20NMS30141 CA Unified Infrastructure Management V8.5x: Advanced Presentation and Reporting 300&lt;br&gt;Perform SLM Tasks</td>
<td>2.5%</td>
</tr>
<tr>
<td>Understanding UMP and Portal Views</td>
<td>20NMS20351 CA Unified Infrastructure Management 8.5.x: System Administration Foundations 200&lt;br&gt;Configure the UMP and Portal Views&lt;br&gt;20NMS30141 CA Unified Infrastructure Management V8.5x: Advanced Presentation and Reporting 300&lt;br&gt;Portal Views</td>
<td>5%</td>
</tr>
<tr>
<td>Understanding Advanced Probe Configurations and Troubleshooting</td>
<td>20NMS20351 CA Unified Infrastructure Management 8.5.x: System Administration Foundations 200&lt;br&gt;Perform Advanced Probe Configurations and Troubleshooting&lt;br&gt;Perform Advanced Probe Configurations&lt;br&gt;Troubleshoot CA UIM</td>
<td>5%</td>
</tr>
<tr>
<td>Understanding UMP</td>
<td>20NMS30141 CA Unified Infrastructure Management V8.5x: Advanced Presentation and Reporting 300&lt;br&gt;UMP Overview and Review</td>
<td>2.5%</td>
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<tr>
<td>Skinning UMP with CSS and Using Virtual Hosts</td>
<td>20NMS30141 CA Unified Infrastructure Management V8.5x: Advanced Presentation and Reporting 300&lt;br&gt;Skin UMP with CSS and Use Virtual Hosts</td>
<td>2.5%</td>
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<td>Understanding Advanced UMP Considerations</td>
<td>20NMS30141 CA Unified Infrastructure Management V8.5x: Advanced Presentation and Reporting 300&lt;br&gt;Advanced UMP Considerations</td>
<td>2.5%</td>
</tr>
<tr>
<td>Understanding VMware-related Monitoring Capabilities</td>
<td>Documentation at support.ca.com, Field Experience&lt;br&gt;Describe VMware-related Monitoring Capabilities</td>
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# 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>
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<tbody>
<tr>
<td><strong>Question 1</strong>&lt;br&gt;Which task can you perform using Unified Services Manager (USM)?</td>
<td>A. Create Service Level Agreements (SLAs).&lt;br&gt;B. View Service Level Objective (SLO) data.&lt;br&gt;C. View Service Desk tickets and coordinate incident response.&lt;br&gt;D. Set up groups of monitored computer systems and view the data collected.</td>
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<tr>
<td><strong>Question 2</strong>&lt;br&gt;Which probe configuration tasks can you perform on Quality of Service (QoS)-enabled probes from the Admin Console? (Choose two)</td>
<td>A. Add, delete, and modify probe variable name/value elements using RegEdit.&lt;br&gt;B. Run a probe command set and view the output using the Nim Recorder utility.&lt;br&gt;C. Configure a Time Over Threshold (TOT) rule using the probe configuration GUI.&lt;br&gt;D. Configure probes that are in a deactivated state using the Raw Configure utility.</td>
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<td><strong>Question 3</strong>&lt;br&gt;In Unified Service Manager (USM), on the Alarms tab, the Actions menu enables administrators to:</td>
<td>A. enrich alarms.&lt;br&gt;B. correlate alarms.&lt;br&gt;C. send test alarms.&lt;br&gt;D. set alarms to invisible.</td>
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<td><strong>Question 4</strong>&lt;br&gt;What is the purpose of the emailgtw probe?</td>
<td>A. To act as a gateway from the syslog format into CA UIM&lt;br&gt;B. To transfer messages to and from the hubs using Simple Mail Transfer Protocol (SMTP)&lt;br&gt;C. To monitor Microsoft Exchange server metrics, such as load, processor time, queues, and disk performance&lt;br&gt;D. To process messages that have EMAIL as their subject, which are placed on the bus by Auto-Operator (AO) profiles</td>
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<td><strong>Question 5</strong>&lt;br&gt;Which action types are available for Auto-Operator (AO) profiles? (Choose three)</td>
<td>A. script&lt;br&gt;B. EMAIL&lt;br&gt;C. db_query&lt;br&gt;D. new_alarm&lt;br&gt;E. set_priority</td>
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<tr>
<td><strong>Question 6</strong>&lt;br&gt;In your infrastructure, a switch has interfaces belonging to different customers. The default method of identifying the source for alarms will not permit you to distinguish between customers for such situations. Each customer needs to see alarms for its own interfaces. Which feature will help you address this requirement?</td>
<td>A. Name services&lt;br&gt;B. Robot renaming&lt;br&gt;C. Alarm enrichment&lt;br&gt;D. Unified Service Management (USM) containers</td>
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<td>Questions</td>
<td>Options</td>
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<td><strong>Question 7</strong>&lt;br&gt;Why are Auto-Operator (AO) triggers configured?</td>
<td>A. To create a schedule-activated AO pre-processing rule&lt;br&gt;B. To automatically assign priorities to alarms, ranging from 1 to 10&lt;br&gt;C. To change the action type in an AO profile, depending on the severity level of an alarm&lt;br&gt;D. To tag alarm messages based on the criteria you specify for event correlation purposes</td>
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<tr>
<td><strong>Question 8</strong>&lt;br&gt;You are configuring a pre-processing rule for alarms. In the Filter type list, which items can you select? (Choose three)</td>
<td>A. sleep, which means that the alarm will be hidden for a specified period&lt;br&gt;B. suppressed, which means that the alarm will only appear if certain criteria are met&lt;br&gt;C. custom, which means that a LUA script can be selected to pre-process alarm messages&lt;br&gt;D. invisible, which means that the alarm will be hidden from all users who do not have the View Invisible permission set&lt;br&gt;E. excluded, which means that the CA UIM Alarm Server (NAS) will not manage the alarm and the alarm messages will be deleted</td>
</tr>
<tr>
<td><strong>Question 9</strong>&lt;br&gt;Which Quality of Service (QoS) calculation profiles does CA UIM provide by default? (Choose three)</td>
<td>A. Mode&lt;br&gt;B. Median&lt;br&gt;C. Interval&lt;br&gt;D. Average&lt;br&gt;E. Summary</td>
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<tr>
<td><strong>Question 10</strong>&lt;br&gt;When setting up redundant CA UIM servers, which probe helps perform the failover?</td>
<td>A. ha&lt;br&gt;B. rsp&lt;br&gt;C. tcp_proxy&lt;br&gt;D. automated_deployment_engine</td>
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<tr>
<td><strong>Question 11</strong>&lt;br&gt;Where is the ha probe installed?</td>
<td>A. On all managed computers&lt;br&gt;B. On the computer hosting the primary hub&lt;br&gt;C. On the computer hosting the secondary hub&lt;br&gt;D. On all computers that do not contain a hub probe</td>
</tr>
<tr>
<td><strong>Question 12</strong>&lt;br&gt;After you rename a robot, you discover that the old and new robot names appear on the UMP Server Disk Space Usage Dashboard. How do you remove the old name?</td>
<td>A. Log out of the UMP and log in again.&lt;br&gt;B. Restart the hdb probe on the robot you renamed.&lt;br&gt;C. From the SLM page, use the Database Status portlet to merge objects.&lt;br&gt;D. Open Dr. Nimbus, locate the old robot name, and replace it with the new robot name.</td>
</tr>
<tr>
<td><strong>Question 13</strong>&lt;br&gt;In the wasp probe file system, which folder is a subfolder of the wasp folder?</td>
<td>A. dap&lt;br&gt;B. Jboss&lt;br&gt;C. service&lt;br&gt;D. webapps</td>
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<tr>
<td>Questions</td>
<td>Options</td>
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| **Question 14**<br>What is a portal view?                                | A. An element that you can add to a dashboard  
B. A collection of pages and portlets laid out in a certain manner  
C. A chart that you can add using Performance Reports Designer (PRD)  
D. An embedded object that enables you to dynamically link to another application from within the UMP |
| **Question 15**<br>What is checked using this URL?<br>http://<umpserver:port>/jsp/get_sessions.jsp | A. The UMP version  
B. Site membership details  
C. Who is currently logged in  
D. UMP browser compatibility |
| **Question 16**<br>Examples of Unified Services Manager (USM) views include: (Choose two) | A. Star  
B. Tree  
C. Gantt  
D. Alarm |
| **Question 17**<br>For custom dashboards, when you click the “Show advanced data sources” option, which additional data sources become available? (Choose three) | A. SQL  
B. QoS  
C. Probe  
D. Robot  
E. Origin |
| **Question 18**<br>The QoS Views script:                                 | A. partitions the unifiedreporter database.  
B. is installed with the enterprise edition of JasperReports.  
C. creates views for Quality of Service (QoS) metrics published at the time of script execution.  
D. has identical content whether you are running it against SQL Server, Oracle, or MySQL databases. |
| **Question 19**<br>When querying the CA_UIM database from the SLM portlet, which factors should be considered? (Choose two) | A. Queries can consist of single statements only.  
B. Different database types have slightly different syntax.  
C. Caution is needed because you have full write access to the database.  
D. Only pre-built queries and QoS object views are available in the SLM portlet. |
| **Question 20**<br>Which CA UIM features are particularly useful for multi-tenant environments? (Choose three) | A. HTTPS redirect  
B. Origin override  
C. Alarm enrichment  
D. Dynamic thresholds  
E. Filters for Performance Report Designer (PRD) charts |
Answers

Question 1 = D
Question 2 = C and D
Question 3 = D
Question 4 = D
Question 5 = A, B, and D
Question 6 = C
Question 7 = D
Question 8 = C, D, and E
Question 9 = B, C, and D
Question 10 = A
Question 11 = C
Question 12 = C
Question 13 = D
Question 14 = B
Question 15 = C
Question 16 = B and D
Question 17 = A, B, and C
Question 18 = C
Question 19 = B and C
Question 20 = B, C, and E
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Each exam attempt costs $150. Payment and vouchers are only accepted during registration and scheduling on the third party website.

We are not able to process payment for Implementation Proven Professional exams on the LMS Training Portal.