Purpose of the Exam Preparation Guide

The intent of this guide is to set expectations about the content and the context of the exam and to help candidates prepare for the exam. In this guide, you will find recommended HP training courses, reference and study material to help you achieve a successful passing score.

Studies conducted by HP and Prometric show that a combination of course attendance and self-study maximizes the likelihood of passing the exam on the first attempt.

Audience

This exam is for HP customers’ IT personnel, HP’s ISV partners, and technical presales and service professionals within HP and HP channel organizations that have been supporting OpenVMS systems for three to five years. It is assumed that this audience can perform the major tasks associated with network administration at a fully capable level expected of engineers with three to five years of experience.

Major topics:

- TCP/IP Concepts
- DECnet and DECnet-Plus Concepts
- Configurations Based on Customer Requirements
- OpenVMS Network Application and Protocol Installation
- OpenVMS Network Application and Protocol Configuration
- Monitor, Maintain and Optimize Network-Connected Systems
- Configuration, Connectivity and Performance Troubleshooting

Certification Requirements

The OpenVMS Network Administration is one of the elective requirements for the following certifications:
• **OpenVMS Certified Systems Engineer (CSE)**

  **Prerequisite:** OpenVMS Certified Systems Administrator (CSA) certification

These certification programs cultivate and accredit advanced OpenVMS knowledge and skills related to installation, configuration, and integration of HP AlphaServer systems in multi-vendor environments. The supporting curriculum is designed to ensure a thorough understanding of OpenVMS, AlphaServer technologies and architecture, and the skills necessary to implement OpenVMS-based AlphaServers in a mixed environment.

Specifications and requirements for all certifications can be found at [www.hp.com/go/certification](http://www.hp.com/go/certification).

**Prerequisites**

None, but it is highly recommended that you have three to five years’ experience working in an HP OpenVMS environment.

**Exam Details**

The OpenVMS Network Administration Exam is a live exam. You will receive a score report with your results after testing is complete. You can use the report to identify areas of strength and learn about areas to improve, if necessary.

If you do not pass this exam, refer to your percentages for each core competency shown on your score sheet. Use these results to guide you in areas where you need to study or review more than other competencies.

**Test Information**

- **Number of test items:** 67
- **Item type:** multiple choice
- **Exam duration:** 90 minutes
- **Passing Score:** 65%
- **Reference material:** No online or hard copy reference material will be allowed at the testing site.
Exam Content

The following outline represents the specific areas of content covered in the exam. Use this outline to guide your study and to check your readiness for the exam. The exam measures your understanding of these areas. The approximate percentage of exam questions dedicated to each major content area is included.

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<thead>
<tr>
<th>083</th>
<th>OpenVMS Network Administration</th>
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</thead>
<tbody>
<tr>
<td>083.1</td>
<td>TCP/IP Concepts</td>
</tr>
<tr>
<td>Describe the TCP/IP layered model and identify the important features and functions at each layer</td>
<td></td>
</tr>
<tr>
<td>083.2</td>
<td>DECnet and DECnet-Plus Concepts</td>
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<tr>
<td>Describe the DECnet and DECnet-Plus layered model and identify the important features and functions at each layer</td>
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<td>083.3</td>
<td>Configurations Based on Customer Requirements</td>
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<tr>
<td>Define existing environments</td>
<td></td>
</tr>
<tr>
<td>Select appropriate networking applications and protocols to address customer requirements</td>
<td></td>
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<tr>
<td>083.4</td>
<td>OpenVMS Network Application and Protocol Installation</td>
</tr>
<tr>
<td>Perform pre-installation checks</td>
<td></td>
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<tr>
<td>Demonstrate the ability to use the TCP/IP configuration procedure</td>
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</tr>
<tr>
<td>Demonstrate the ability to use the DECnet and DECnet-Plus configuration procedures</td>
<td></td>
</tr>
<tr>
<td>Configure, start and stop applications and protocols</td>
<td></td>
</tr>
<tr>
<td>Test and verify the configuration</td>
<td></td>
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<tr>
<td>Configure redundancy and availability features (failSAFE IP, LAN failover)</td>
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<tr>
<td>Describe the differences between TCP/IP Cluster Alias and failSAFE IP</td>
<td></td>
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<tr>
<td>083.5</td>
<td>OpenVMS Network Application and Protocol Configuration</td>
</tr>
<tr>
<td>Examine and manipulate the current configuration files</td>
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</tbody>
</table>
Modify current network configurations (TCPIP, NCL, NCP, LATCP, LANCP, SCACP)

Monitor, Maintain and Optimize Network-Connected Systems  
083.6

Monitor system network resources
Establish and document baseline network operating characteristics
Compare network statistics and characteristics against baseline
Modify settings, where appropriate
Plan for future growth, performance, bandwidth, and capacity

Configuration, Connectivity and Performance Troubleshooting  
083.7

Define and classify problems
Analyze connectivity issues and draw conclusions
Analyze application issues and draw conclusions
Analyze security issues and draw conclusions
Analyze startup/shutdown issues and draw conclusions
Determine if network issues are local or external

Recommended Training and Study References

This section lists training courses and documents that can help you acquire a majority of the knowledge and skills needed to pass the exam. You must also gain the practical experience outlined in this guide.

You are not required to take the courses listed in this section. However, HP strongly recommends that you attend the classes, participate in class labs, and thoroughly review all course material and documents before taking the exam, even if you believe you have sufficient on-the-job experience.

Instructor-Led Training

Use the information in this guide and the practical experience you have gained to determine your need for the HP instructor-led training.

The HP Certified Professional Program (Level 2) includes references to a variety of materials that provide information included on this certification exam. Completion of these HP courses and review of materials is recommended, but not required, for success on this exam.
Recommended Minimum Courses

<table>
<thead>
<tr>
<th>Course Title</th>
<th>Part Number</th>
<th>Type</th>
<th>Length</th>
</tr>
</thead>
<tbody>
<tr>
<td>TCP/IP for HP OpenVMS</td>
<td>u3728s</td>
<td>ILT</td>
<td>5 days</td>
</tr>
</tbody>
</table>

Additional Highly Recommended Courses

<table>
<thead>
<tr>
<th>Course Title</th>
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<tbody>
<tr>
<td>HP OpenVMS Boot Camp (U3585S D.00) (eLMS: 4567)</td>
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</tbody>
</table>

ILT = Instructor-Led Training
WBT = Web-based Training
ISP = Independent Study Program

Additional Recommended Reference Materials for This Exam

One or more exam items reference the following documents. You should have a general familiarity with these documents. All documents may be accessed via the web at http://h71000.www7.hp.com/doc/os82_index.html unless otherwise noted below.

- HP OpenVMS I/O User’s Reference Manual
- DECrnet for OpenVMS Guide to Networking
- DECrnet-Plus Network Control Language Reference
- HP TCP/IP Services for OpenVMS Management Command Reference
- Kerberos V 2.0 for OpenVMS Installation Guide and Release Notes

Documentation

OpenVMS v8.2 documentation may be accessed via the web at http://h71000.www7.hp.com/doc/os82_index.html.
Sample Test Questions:

The following examples represent the types of items and question formats that you could see on the exam. These are generic samples and do not reflect the content being tested.

1. Which planet is closest to the Earth?
   A. Mars
   B. Pluto
   C. Venus
   D. Saturn

2. Which planets are “inner planets” — planets found within the asteroid belt? Select TWO.
   A. Pluto
   B. Earth
   C. Neptune
   D. Mercury
   E. Venus

3. Click the Exhibit button.
   What is this constellation called?
   A. Leo
   B. Aries
   C. Orion
   D. Taurus
   E. Gemini
   F. Pleiades
   G. Ursa Minor
4. Click the Task button.

*Place the planets in order of closest to farthest from the planet Earth.*
5. Click the Task button.

Review the picture of the planets and click on Saturn.

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Exam Registration
For information about exam registration, click here.

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Conclusion
HP wishes you success in the HP Certified Professional Program and in passing the exam for which you are preparing.