Fujitsu M10 Servers
Implementation Essentials Exam Study Guide

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Objective & Audience

Objective
Help you prepare to take the Fujitsu M10 Servers Installation Essentials Exam by providing pointers to resources that you can use in your preparation.

Targeted Audience

- Technical Consultants
- Sales Consultants
- Implementation Experts
- Up-to-date training and field experience are recommended
Exam Topics & Objectives

Exam Topics
The Fujitsu M10 Servers Installation Essentials exam consists of four core topics:
1. Fujitsu M10 Servers Overview
2. Enterprise Installation Standards Overview
3. Fujitsu M10 Servers Installation
4. Fujitsu M10 Servers Troubleshooting and Diagnostics
Exam Objectives

The exam objectives are defined by learner or practitioner level of knowledge:

- **Learner-level**: questions require the candidate to recall information to determine the correct answer.

  Example: Define the term network.

- **Practitioner-level**: questions require the candidate to derive the correct answer from the application of their knowledge, which can only be attained by extensive experience with the product.

  Example: The client requests xyz functionality, would you recommend a, b or c?
Training Options

For each exam topic there have been identified alternative training options that are available at Oracle. The training options are divided into three categories:

- **Boot Camps**
  The Boot Camps are designed as a "jump start" training to enhance your skills by providing role-based training on industry-leading Oracle solutions and services. The boot camps are built as concise, intensive, and real-time training to give partners a competitive advantage as they prepare to build powerful solutions for their own customer base. Partners can choose to attend these boot camps in class or in a live virtual class format to maximize the effectiveness and the time allocated to training.

- **Instructor-Led Training (delivered by Oracle University)**
  Partners can take any publicly-scheduled Oracle University courses at steep discounts. Benefit from hands on experience to gain real working skill and work toward Oracle certifications.

- **Online Training**
  Oracle Partners are entitled free access to the Oracle Knowledge Center (OUKC), a vast library of recorded product courses. New courses are regularly added to the library, providing partners with the latest information and training to master new products or to increase proficiency on the new releases.

  **OPN Competency Center** is an intelligent training tool that allows partners to manage their Oracle training with role-focused guided learning paths and measure their achievement toward Specialization:
Topic 1: Fujitsu M10 Servers Overview

Objectives

- Describe the target workloads for the Fujitsu M10 servers
- Describe the Fujitsu M10 Server processor architecture
- Describe the Fujitsu M10 Server architecture
- Explain the Fujitsu M10 Server building block technology
- Explain the Fujitsu M10 Server physical domain technology
- Explain the Fujitsu M10 Server virtualization options (e.g., Oracle VM Server for SPARC, Solaris Zones, physical domains)

Training Options

- OPN Competency Center
  - Fujitsu M10 Servers Implementation Specialist

Sample Questions:

We have 16x CMUs, 4x IOUs, with up to 4x DCUs in a fully configured SPARC M5-32 Server, and the core interconnect component is SSB (Scalability Switch Board). How many SSBs can we have in a fully configured Server?

a) 16  
b) 4  
c) 20  
d) 12
Topic 2: Enterprise Installation Standards

Objectives

- Describe the Enterprise Installation Service methodology
- Setup and generate self-contained installation documentation
- Create an installation configuration plan
- Create a test procedures plan
- Perform hardware acclimatization steps
- Label and route cables
- Describe the electrical grounding requirements
- Describe the initial XSCF login and configuration processes
- Describe Oracle Solaris installation requirements
- Determine boot disk layout and mirroring
- Use Live Upgrade, Boot environment, and Image Packaging System

- OPN Competency Center
  - Fujitsu M10 Servers Implementation Specialist

Sample Question:
Which three options are formal steps in the Enterprise Installation Standards (EIS) Methodology?

a) Site Audit  
b) System Sizing  
c) Installation Configuration Planning  
d) System Test  
e) Configuration Project Schedule
Topic 3: Fujitsu M10 Servers Installation

Objectives

- Describe the benefits of electrostatic discharge prevention
- Rackmount the server, cable, and install peripherals
- Configure the service processor (xscf)
- Perform core activation administration
- Secure the service processor (XSCF)
- Update firmware Configure the Physical Partition, PPAR
- Perform host power on and Power On Self Test (POST)
- Set up onboard RAID controllers
- Perform the initial boot and configuration of Oracle Solaris
- Test CPU and memory with Sun Validation Test Suite (SunVTS)
- Setup and configure Auto Service Request (ASR)
- Run Explorer and register products

Training Options

- OPN Competency Center
  - Fujitsu M10 Servers Implementation Specialist

Sample Questions:

Which two statements about physical partitions (PPAR) configuration are true?

a) PPARs are equivalent to logical domains

b) **System boards are assigned to PPARs**

c) CPU resources are assigned to PPARs by using a CPU core activation key

d) CPU resources are assigned to PPARs by using the XSCF setcod command
Topic 4: Fujitsu M10 Server Troubleshooting and Diagnostics

Objectives

- Describe customer replaceable components of the Fujitsu M10 Server systems
- Verify system serial number
- Replace the motherboard
- Perform PCIe card and riser removal and installation
- Perform disk, power supply, and fan removal and installation
- Describe memory configuration guidelines
- Describe server management/monitoring tools (for example, XSCF BUI, Ops center, snmp, email)
- Collect system error and state information (for example, snapshot, explorer)

Training Options

- OPN Competency Center
  - Fujitsu M10 Servers Implementation Specialist

Sample Questions:

Which three options are considered when adding memory to Fujitsu M10 systems?

a) You should install multiples of eight DIMMs for Fujitsu M10-4 and M10-4S systems

b) You should install multiples of eight DIMMs for the Fujitsu M10-1 system

c) You should order DIMMs of different memory capacity for MEM#xA and MEM#xB

d) YOU can order different capacity DIMMs if they are installed in different Fujitsu M10-4S boxes even if they are connected via an expansion kit or expansion rack

e) You need CMUU to install to install more than 32 DMUs
Exam Registration

- **How to register for the exam?**
  You can register for all Oracle certification exams with Pearson VUE. Before a registration can be submitted, a Pearson VUE profile must be created using your Company ID. Your Company ID can be obtained by contacting your local Oracle Partner Business Center or by signing in to your OPN account. Your Company ID is located in the section on the right under "Company information".

  Please follow [these instructions](#) in order to properly set-up your Pearson VUE account for the first time.

- **Have you completed an Oracle Certification Exam in the past?**
  Due to systems enhancements, each partner who has completed an Oracle Certification Exam will need to update their Pearson VUE profile in order to receive credit and for those records to appear in the [OPN Competency Center](#).

- **How to get full recognition as Certified Implementation Specialist?**
  To get full recognition as a Certified Implementation Specialist you need to:
  A. Update your Pearson VUE profile with your Company ID
  B. Activate your Certview Account

  Please follow [these instructions](#) and your records will be properly recorded.
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