Oracle Application Grid 11g Essentials – Exam Study Guide

The Oracle Application Grid 11g Essentials Exam Study Guide is designed to provide students with the training information to help them pass the Oracle Application Grid 11g Essentials Exam (1Z0-523).

The exam audience is senior implementation consultants who are using Application Grid products in field, and/or have knowledge acquired through alternate training or on-the-job experience. The objectives for this exam are defined as learner or practitioner levels of knowledge.

Learner-level: questions require the candidate to recall information to derive the correct answer
Practitioner-level: questions require the candidate to derive the correct answer from an application of their knowledge

For each exam topic, alternative training options have been identified that are available at Oracle. Please note that some of the training recommended can cover multiple exam topics.

The exam covers 5 topics:

Topic 1: Oracle Fusion Middleware Concepts

Objectives
Describe Application Grid concepts
Describe Real Operation Automation
Describe Real Operation Insight
Describe Gridlink for RAC
Describe Active Cache
Describe Enterprise Grid Messaging

Level
Learner
Learner
Learner
Learner
Learner

Training Options

- Online Training
  - Building Blocks of Private PaaS: Fusion Middleware and AppGrid
  - Oracle WebLogic Suite 11g Overview
  - Upgrading to WebLogic 11g value proposition

Topic 2: JRockit

Objectives
Explain Oracle JRockit JDK
Use JIT compilation and optimizations
Manage memory
Manage threads and locks
Migrate applications to JRockit JDK
Set up JRockit JDK
Use profiling and performance tuning
Identify tuning trade-offs

Level
Learner
Learner
Learner
Practitioner
Practitioner
Learner
Learner
Use diagnostics tools (JRMС)
Analyze crash files
Use JRockit JVM command line

Training Options

- Online Training
  - PTS Briefing for ISVs: Fusion Middleware 11g
  - Oracle WebLogic Suite 11g Overview

Topic 3: WebLogic Server

Objectives
- Identify components of WebLogic Suite
- Identify differences between SE, EE & Suite
- Manage OC4J to WLS basic migration
- Manage whole server migration
- Manage side-by-side deployment
- Explain unit of work
- Explain unit of order
- Explain JMS store & forward
- Explain admin server, managed server, node manager
- Describe domain
- Set up and use domain configuration wizard
- Set up and use domain templates
- Configure application structure and files
- Deploy SOA/J2EE applications
- Use JNDI, JDBC, JMS concepts
- Create and manager cluster
- Use HTTP session clustering
- Secure resources and applications
- Install server
- Manage & monitor transactions

Level
- Learner
- Practitioner

Training Options

- Online Training
  - Oracle WebLogic Suite 11g Overview

Topic 4: Coherence

Objectives
- Explain Coherence
- Install and configure environment
- Use Coherence
- Setup & Configure topologies
- Use objects and portable object format
- Query and aggregate data in the cache

Level
- Learner
- Practitioner
Observe data changes with backing map listeners
Implement database integration with the Coherence CacheStore
Analyze & tune performance

Practitioner
Learner
Practitioner

Training Options

- Boot Camp
  - Oracle Coherence 3.5 PreSales Boot Camp

- Online Training
  - PTS Briefing for ISVs: Fusion Middleware 11g
  - Building Blocks of Private PaaS: Fusion Middleware and AppGrid
  - Oracle WebLogic Suite 11g Overview
  - Plug in the Cache- Boost Your Application Performance and Scale with Oracle Coherence
  - PTS Briefing for ISVs: Oracle Coherence

Topic 5: Enterprise Manager Controls

Objectives

- Explain and use EM Control
- Identify differences: management packs, connectors and plugin
- Configure and use Diagnostic Pack
- Configure & use Coherence Management Pack
- Configure & use WebLogic Management Pack
- Use Composite Application Metrics and Modeling (CAMM)
- Identify differences: Grid Control, FMW Control and WLS Console

Level

Practitioner
Practitioner
Learner
Practitioner
Practitioner
Practitioner
Practitioner

Training Options

- Online Training
  - Weblogic Management for FMW SCs
  - Enterprise Manager Installation and Configuration Best Practices
  - Coherence Management Pack: Get Insight Into Your Oracle Coherence Data Grid

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