

E22-201 Mainframe Business Continuity Local Replication Exam Description

Exam Number
E22-201

Duration
105 Minutes

Available Languages
English



The Mainframe Business Continuity Local Replication Exam is a qualifying exam for the EMC Proven Professional Mainframe Business Continuity track.

The Mainframe Local Replication Exam (E22-201) ensures individuals can successfully implement the TimeFinder and Resource Pak suites of software for Symmetrix-based storage in z/OS environments. This includes the deployment and utilization of TimeFinder CLONE, SNAP and Resource Pak Base and Extended, as well as understanding key host and application considerations.

Exam Topics

Products likely to be referred to on the exam include:

- Fundamentals of Symmetrix
- Fundamentals of TimeFinder
- Fundamentals of SRDF
- ResourcePak Base
- TimeFinder Mirror
- SNAP for TimeFinder SNAP Facility
- Clone for TimeFinder SNAP Facility
- TimeFinder Utility
- ResourcePak Extended
- TimeFinder in an SRDF environment
- Host and Application Considerations
- Design Considerations

Topics likely to be present on this exam include:

Fundamentals of Symmetrix

- Identify the relationship between a host logical volume (including PAV Base and Aliases) and its related Symmetrix logical and Physical volumes
- Apply the supported RAID protection schemes to meet host application requirements
- Describe the usage and limitations of mirror positions as it relates to the various Local Replication solutions (including CKD RAID 5 / 10)

Fundamentals of TimeFinder

- Describe the architectural components and theory of operation for EMC's Local Replication solution set (Mirror, Snap Facility, ResourcePak Base and ResourcePak Extended)
- Maximize service levels by selecting the best solution for a given business case
- Identify how TimeFinder family operations can be invoked and managed in a mainframe environment
- Create data consistency across the EMC Local Replication solution set (Consistent, incremental, and differential splits)

Fundamentals of SRDF

- Describe the architectural components and theory of operation for EMC's Remote Replication solution set (SRDF/S, SRDF/AR, SRDF/A, SRDF/CG, SRDF/STAR)
- Achieve service levels by selecting the most appropriate remote replication solution for a given business case
- Identify the SRDF management tools available in a mainframe environment

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ResourcePak Base

- Customize the SCFINI based on the requirements and licensed features
- Manage and utilize SCF in a multiple LPAR environment or with multiple SCF instances on the same LPAR
- Utilize SCF commands to discover the storage environment and manage SCF operations (including SCF Recovery Services)
- Create and Utilize GNS groups
- Customize the Save Device Monitor settings to monitor Save Device pools

TimeFinder Mirror

- Interpret the states and values presented in a TimeFinder/Mirror Query command output
- Perform TimeFinder/Mirror Operations including features (TimeFinder Establish, Split, Restore)
- Distinguish between the different TimeFinder/ Mirror Split options

SNAP for TimeFinder SNAP Facility

- Deploy and utilize TimeFinder SNAP for volume level copies (including consistency, differential options)
- Deploy and utilize TimeFinder SNAP solution using multiple save device pools
- Deploy and utilize TimeFinder Query to determine current SNAP operations

Clone for TimeFinder SNAP Facility

- Deploy and utilize TimeFinder CLONE for dataset level copies
- Deploy and utilize TimeFinder CLONE for full volume copies (including consistency, differential options)
- Deploy and utilize TimeFinder Query to determine current SNAP operations
- Deploy and utilize TimeFinder CLONE using Datamovers

TimeFinder Utility

- Understand the functions and identify the advantages of using TimeFinder Utility
- Utilize TimeFinder Utility commands to condition target volumes and datasets after TimeFinder (Mirror, SNAP, CLONE) operation

ResourcePak Extended

- Configure and use Change Tracker and Data Erase
- Configure and use Write Protect and Database Utilities for DB2 and IMS

TimeFinder in an SRDF environment

- Identify the considerations when performing TimeFinder family operations in an SRDF environment
- Perform TimeFinder family operations remotely across SRDF links

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Host and Application Considerations

- Identify the application performance impact of using the different TimeFinder family solutions on the source and target
- Select the appropriate TimeFinder solution (Mirror, CLONE or SNAP) for the type of application or task being performed (backup, testing etc.)

Design Considerations

- Identify the considerations for using TimeFinder family solutions in an SMS and/or HSM environment
- Identify the considerations for using TimeFinder family solutions on the basic catalog structure
- Identify the considerations for using TimeFinder family solutions in Parallel Sysplex environment
- Identify the considerations for using TimeFinder family solutions in a multi-vendor storage array environment

Recommended Training

Recommended preparation for this exam is the EMC Proven Professional Mainframe Business Continuity.