

EMC Proven Professional - Backup Recovery Systems and Architecture Exam

ATTENTION: The **E20-005 Backup Recovery Systems and Architecture Exam**, which is the exam that supports **Backup Recovery Associate (EMCBA)** associate-level certification, **will retire on September 30, 2016.**

The replacement exam, **E10-005 Data Protection and Management Exam**, will be available starting June 24, 2016.

[Check the FAQ](#) for more information on this exam retirement/replacement.

How will this impact me?

If you have taken the Backup Recovery Systems and Architecture course and plan to take the E20-005 exam, we highly recommend that you take the exam prior to **September 30, 2016.**

- [View the E20-005 exam description and practice test »](#)
- [View the E10-005 exam description and practice test »](#)

If you are already a certified EMC Proven Professional **Backup Recovery Associate (EMCBA)**, your existing Associate-level certification does not expire and you will continue to have access to exclusive program benefits.

E20-005 Backup Recovery Systems and Architecture Exam

Exam Description, **Retiring September 30, 2016**



Duration

90 Minutes
~ 60 Questions

Practice Test

Exam - [E20-005](#)

[Schedule Exam](#)

Overview

The Backup Recovery Systems and Architecture exam is an associate level qualifying exam for the following EMC Proven Professional Backup and Recovery Specialty tracks: Technology Architect, Implementation Engineer and Storage Administrator. The exam focuses on concepts and technologies used in backup and recovery environments.

If your job focus is solely Backup and Recovery and you are pursuing a Backup Recovery specialist credential, EMCBA is an appropriate choice at the associate level. However, if you plan to pursue other storage technology specific certifications in addition to Backup Recovery, EMCISA will be ideal. EMCISA allows you to not only follow Backup Recovery paths but also prepares you to follow other specialties across EMCCA, EMCDCA, EMCTA, EMCIE, and EMCSA certification tracks. EMCBA will NOT meet the associate level requirements for any specialties other than Backup Recovery.

EMC provides free practice tests to assess your knowledge in preparation for the exam. Practice tests allow you to become familiar with the topics and question types you will find on the proctored exam. Your results on a practice test offer one indication of how prepared you are for the proctored exam and can highlight topics on which you need to study and train further. A passing score on the practice test does not guarantee a passing score on the certification exam.

Products

Products likely to be referred to on this exam include but are not limited to:

- EMC NetWorker 8.1
- EMC Avamar 7.0
- EMC Data Domain OS 5.4
- EMC Data Protection Advisor 6.0.1/6.1

Exam Topics

Topics likely to be covered on this exam include:

Backup Theory

- Backup and recovery concepts and terms
- Client/server backup architecture and backup restore data flow

Information Storage Concepts

- Disk architecture
- Storage systems
- RAID levels
- SAN components and terminology
- NAS components and terminology
- Replication and continuous data protection technologies

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Backup Client

- Major sources of backup data
- Storing and data protection for file system and application data including Oracle, SQL Server, Exchange, SharePoint, VSS, NDMP, virtualization and VMware
- Considerations and challenges impacting client backup environments

Backup Storage Node

- Storage node components, related network considerations and file sharing protocols
- Advantages and disadvantages of various types of backup storage media including tape, disk and virtual tape
- Types of data deduplication and related considerations
- Uses and benefits of cloud computing and cloud deployment models

Backup and Recovery Planning

- Planning considerations including testing and disaster recovery
- Introduction to products in the EMC Backup Recovery portfolio including Data Protection Advisor, Data Domain, Avamar and NetWorker

Recommended Training

The following curriculum is recommended for candidates preparing to take this exam.

Please complete one of the following courses:

Course Title	Course Number	Mode	Available
Backup Recovery Systems and Architecture	MR-1CP-BRASCI	Instructor-led	Now
Backup Recovery Systems and Architecture – Video ILT	MR-1TP-BRASCI-0729	Video ILT - Stream	Now
Please complete all of the courses below or 1 of the courses above			
Backup Recovery Systems and Architecture – Theory	MR-1WP-BRASCI1	eLearning	Now
Backup Recovery Systems and Architecture - Information Storage Concepts – Part 1	MR-1WP-BRASCI2	eLearning	Now
Backup Recovery Systems and Architecture - Information Storage Concepts - Part 2	MR-1WP-BRASCI3	eLearning	Now
Backup Recovery Systems and Architecture - Client - Part 1	MR-1WP-BRASCI4	eLearning	Now
Backup Recovery Systems and Architecture - Client - Part 2	MR-1WP-BRASCI5	eLearning	Now
Backup Recovery Systems and Architecture - Storage Node	MR-1WP-BRASCI6	eLearning	Now
Backup Recovery Systems and Architecture – Planning	MR-1WP-BRASCI7	eLearning	Now

Note: These details reflect exam content as of **9/5/2014**.

The Proven Professional Program periodically updates exams to reflect technical currency and relevance. Please check the Proven Professional website regularly for the latest information.

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