



HP 教育訓練中心課程簡介

HP EVA and P6000 Business Continuity and Availability (HF839S)

本課程介紹 HP P6000 Enterprise Virtual Array 資料複製環境。環境包括本地端複製 (Business Copy Enterprise Virtual Array [BC EVA]) 與遠端複製 (Continuous Access Enterprise Virtual Array) 解決方案。然而本課程的焦點在於 Continuous Access EVA 所呈現的遠端複製能力；也會討論 Replication Solutions Manager (RSM) 應用軟體。

適合對象

負責管理 Enterprise Virtual Array (EVA) 環境中各種複本集的系統管理人員。

先修課程

Students should successfully complete the following course prior to attending this course:

- HP EVA and P6000 Administration and Management 3-day (HK975S)
- 建議學員能夠具備所支援作業系統之一的作業知識

課程目標

- Describe the purpose and concepts of HP P6000 Continuous Access
- Install the Replication Solutions Manager application
- Work with the Job Scheduler, Job Creation and Templates
- Describe the planning process for implementation of HP P6000 Continuous Access
- Configure HP P6000 Continuous Access and use the replication functions available within RSM and Command View EVA
- Perform HP P6000 Continuous Access failover operations
- Describe HP P6000 Continuous Access extended configurations
- Identify and implement HP P6000 Continuous Access best practices
- Perform basic troubleshooting techniques for HP P6000 Continuous Access

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Course title:	HP EVA and P6000 Business Continuity and Availability
HP product number:	HF839S
Category/Subcategory:	Storage
Course length:	2 days
Level:	Advanced
To order:	To review course schedules and to register for a course, visit http://www.hp.com.tw/education

課程大綱

HP P6000 Continuous Access Solution Overview

- Market trends
- Business continuity requirements
- HP P6000 Continuous Access
- Disaster tolerance
- HP P6000 Continuous Access concept
- HP P6000 Continuous Access features
- HP P6000 Continuous Access configuration limits
- HP P6000 Continuous Access requirements
- HP P6000 Continuous Access failover
- Bidirectional replication
- Multiple array relationships
- Fan-out replication
- Fan-in replication
- Cascaded replication
- Operating system support

HP P6000 Continuous Access Concepts

- DR group
- DR features
- DR group replication features
- DR group properties
- DR group states
- DR group state flow
- Synchronous and Basic/Enhanced Asynchronous write mode
- Failsafe enabled mode
- Failsafe modes
- Failsafe on link-down/power-up
- Failsafe on unavailable member
- Failsafe locked
- Logging
- Log states
- Log space
- Full logs
- Full copy
- Merging
- Suspend
- Resume
- Managed sets
- Failover

HP P6000 Continuous Access Planning and Setup

- Basic HP P6000 Continuous Access configuration
- Array cabling
- Basic configuration limits
- HP P6000 Continuous Access configuration rules
- DR group guidelines
- HP P6000 Continuous Access zoning
- Alternate configurations
- Advanced configurations

- Planning an array
- Planning disk groups
- Planning DR groups
- Planning DR group logs
- Planning a HP P6000 Continuous solution
- Boot from SAN
- Bootless failover
- Application considerations
- Array management considerations
- HP P6000 Continuous Access licensing
- License management
- Firmware updates
- HP P6000 Continuous Access user interfaces
- Replication Solutions Manager
- Installation
- Standby storage management servers
- Switch considerations

HP P6000 Continuous Access Operations

- Pre-HP P6000 Continuous Access configuration tasks
- RSM remote replication functions
- DR groups
- Managed sets
- Storage systems
- Virtual disks
- RSM icons
- Command View EVA remote replication functions

HP P6000 Continuous Access Failover

- HP P6000 Continuous Access failover
- Failover principle
- Failover considerations
- Planning for disaster recovery
- Failover decision
- Planned and unplanned failover
- Performing failover operations
- Recovery from failsafe-locked condition
- Activating the standby storage management server
- Activating RSM

HP P6000 Continuous Access Extended Configurations

- Supported HP P6000 Continuous Access extended configurations
- HP P6000 Continuous Access with stretched clusters

HP P6000 Continuous Access Best Practices

- Planning ahead for a disaster
- General recommendations
- Effects of array size and distance
- Improving performance of extended solutions
- Recommendations for FC-IP networks
- Load balancing controllers & intersite links
- Comparing synchronous & asynchronous modes
- Moving data using HP P6000 CA
- Managing disk groups
- FATA/Nearline drives
- Comparing full copy and merge operations
- Throttling of merge I/O after logging
- Creating destination snapclone or mirrorclone before full copy
- Storage mgmt server offline during replication operations
- Using multiple servers to manage storage
- General RSM recommendations
- Saving HP P6000 CA configuration information
- Local replication best practices
- Managing replication events

HP P6000 Continuous Access Troubleshooting

- Troubleshooting replication problems
- HP P6000 CA tunnels
- HP P6000 CA replication protocol
- Normalization
- Write I/Os
- EVAperf tool
- CA round trip delay
- EVAperf Host connection counters
- EVAperf port statistics
- EVA physical disk group

更多訊息

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所有課程相關訊息及活動請造訪：
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