

# HP Education Services Course Overview

HP StorageWorks Integrated Archive Platform (IAP) Fundamentals (U8571S)



This 3-day course discusses Information Lifecycle Management (ILM) challenges and the HP IAP solution built to meet those challenges. Students will first become familiar with the IAP hardware and software architectures as they operate in a Microsoft Exchange environment. The IAP tools are then used to customize and manage the solution. This class has extensive hands-on labs to supplement each lecture.

## Audience

- Storage and system administrators

## Prerequisites

Students attending this course should have the following knowledge:

- Basic Linux and Windows administration skills
- Basic server administration skills
- Familiarity with Windows Active Directory
- Exposure to messaging systems

## Course Objective

After completing this course, students should be able to:

- Manage and administer a IAP environment
- Understand the networking structure of the IAP solution
- Determine the IAP status using CLI and GUI
- Manage email mining
- Perform basic troubleshooting of the IAP system

## Why education services from HP?

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- Comprehensive student materials

**Course Title:** HP StorageWorks Integrated Archive Platform (IAP) Fundamentals

**HP Product Number:** U8571S

**Category/Subcategory:** Storage

**Course Length:** 3 days

**Level:** Intermediate

**Delivery Language:** English

**To Order:** You can order this course online at <http://www.hp.com/learn>. At the site, select a country, then choose "registration" or "Book a course" and fill out the online registration form.

## Detailed Course Outline

### Module 1 - ILM Concepts

- What is ILM?
- ILM information management challenges
- Data usage changes over time
- When you need the data - its value is critical!
- Why ILM?
- Characterizing data
- The email problem
- The office document problem
- Regulatory compliance
- The compliance problem
- The IAP solution
- Grid computing storage architecture
- Why use a grid architecture?
- Search and retrieval - "one at a time"
- Search and retrieval - "divide and conquer"
- IAP architectural benefits

### Module 2 - Hardware Architecture

- IAP 1.5 Hardware
- Expansion Rack
- Kickstart Server
- Kickstart - Dynamic Software Installation
- Meta Servers
- PCC NAT Server
- Cloud Routers
- Database Server
- Firewall NAT
- Load Balancer
- Email Miner / Gateway
- SMTP/HTTP Portals
- SmartCells
- Infrastructure - Adding a Tape Library, Adding Bandwidth and Adding Replication

### Module 3 - Software Architecture

- Store path
- Store process
- Queries
- Query and retrieval path and process
- Domains and Repositories
- Security - Physical, Network and Other
- Data Integrity
- SmartCell - Storage Management and Indexing
- SmartCell - Indexing of Attachments
- Management Tools
- Configuration Files
- Backup
- Backup - Process
- DB & Data Backup - Main View, History and Details
- Replication - Domain Based
- Replication - Concepts
- Replication - Failover/Failback
- Replication - Data Flow
- Replication - Components
- Replication - Data Transfer
- Replication - Monitoring, Monitoring View and Monitoring Details
- Replication - Control
- IAP API's

### Module 4 - Admin Tools

- The Platform Control Center (PCC)
- PCC features, Logging On and Overview
- PCC - Storage Status
- PCC - System Status
- PCC - Appliance Control
- PCC - Performance Graph
- PCC - IAP Configuration
- PCC - Firewall Settings
- PCC - SSL Configuration
- PCC - Software Version
- PCC - User Management
- PCC - Overview Miner
- PCC - VNC Miner

- PCC - Cloning
- Reprocessing
- PCC - Retention
- PCC - Event Viewer
- PCC - SNMP Management
- PCC - Email Reporter
- PCC - Logfile Sender
- PCC - Systems Insight Manager
- PCC - Online Help
- Miner Tools - Overview
- Miner - Mail Attender for Exchange
- Miner - Scheduler
- Miner - StatusView
- PST Importing - Overview
- PST - Archive Request Loader
- PST - Import Monitor

### **Module 5 - Account Management**

- Appliance user definition
- Domains and Repositories
- Users and Groups
- IAP & LDAP
- IAP & LDAP Attribute Usage
- IAP & LDAP Attribute Mapping
- Adding, Deleting and Updating a User
- DAS - Dynamic User Updates
- DAS - Process
- DAS - Architecture
- PCC - Account Synchronization (DAS)
- DAS Job - Overview
- DAS Job - LDAP Connector
- DAS Job - Create Job
- DAS Job - Job History
- PCC - Account Manager (AM) Overview
- AM - Users
- AM - Groups
- AM - Repositories
- AM - Create Users/Groups/Repositories
- AM - Why Create Local Users?
- PCC - Account Error Recovery
- PCC - Manual Account Loader Overview
- PCC - Manual Account Loader (MAL)

### **Module 6 - IAP Archiving**

- Archiving introduction
- Archiving - IAP Advantages
- Archiving - Compliance & Legal Discovery
- Archiving - Components
- Archiving - Current IAP Solutions
- Archiving - Exchange Mining
- Archiving - Domino Mining
- Journal Mining & Selective Archiving
- Exchange - Archiving Overview
- Exchange - Journaling
- Exchange - Journaling Process
- Exchange - Selective Archiving
- Exchange - Selective Archiving Process
- SA Adding Mailboxes - Auto Search
- SA Adding Mailboxes - Manually
- SA Adding Mailboxes - Hiding
- Scheduling - Events
- Scheduler
- Mining Rules
- Monitoring - Status View
- Archiving - IAP and Outlook
- Domino/Notes - Archiving
- Domino/Notes - Archiving Architecture
- Domino/Notes - HP Gateway
- Domino/Notes - HP Gateway Installation
- Domino/Notes - IAP & Domino/Notes
- Duplication Filtering - Overview
- Digital Signatures - Signing, Authenticating and Default Keys
- User Authentication & Access
- Reprocessing - Overview and Example
- Retention - Domain & Repository
- Retention - Business Requirements
- Retention - Regulated/Unregulated User
- Retention - Domain Level
- Retention - Repository Level
- Selective Archiving - Troubleshooting

## **Module 7 - PST Importer**

- PST Importer - Process
- PST Importer - Installation
- PST Importer - Archive Request File
- PST - Archive Request Parameters
- PST - Archive Request File XML Output
- PST - Validate Archive Request
- PST - Archive Request Validation Output
- PST - Import Monitor Overview
- PST - Import Monitor Configuration File
- PST - Import Monitor
- PST - Reports and Log Files

## **Module 8 - Client Tools**

- Web Interface - Introduction
- Web Interface - Overview
- Web Interface - Logon
- Web Interface - Single Sign-On
- Login & Query/Retrieval
- Login Failures
- Simple Query
- Advanced Query
- Search Results - Returned
- Search Results - Preview
- Search Results - Options
- Search Results - Export
- Search Results - Send
- Search Results - Save Current Search
- Search Results - Save Current Results
- Saved Queries
- Query Manager - Saved Criteria
- Query Manager - Saved Results
- Quarantine Repository - Overview
- Query and Retrieval Failures
- Outlook - Plug-in Overview
- Outlook - Interface

- Outlook - Search Archive
- Outlook - Tombstoned Messages
- Outlook - Plug-in Settings
- Outlook Web Access (OWA) - Overview
- OWA - Interface
- OWA - System Requirements
- OWA - IAP Install Overview
- OWA - IAP Package
- OWA - Multiple Mail Stores
- OWA - Multiple IAP Systems
- OWA - Drafts Folder

## **Module 9 - FMA**

- File Migration Agent (FMA) - Overview
- FMA - Setup and Process
- FMA - File System Transparency
- FMA - Managed Volumes and Archives
- FMA - Migration Policies
- Explorer Integration - Overview
- Explorer Integration - Migrating
- Explorer Integration - Release, Recall, Properties and Columns
- Supported Environment (FMA 2.1)
- What's New in FMA 2.1?

## **Module 10 - Best Practices**

- Auditing - Setup
- Auditing - Best Practices
- IAP Design
- IAP Guidelines
- Journaling
- Selective Archiving
- Reclaiming Exchange Store Space
- Protect Exchange Databases with HP CIC

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