

HCL BigFix Inventory v10

Course Summary

Description

BigFix Inventory provides valuable insight into what software your organization owns—and what software has installed but does not own—along with how often the software is being used. It supports better planning, budgeting and hardware and software license compliance, while mitigating security risk. In this course, you will learn to interact and operate the BigFix Inventory solution. You will gain a solid understanding of the various components of the solution and will be able to configure, operate, develop reports, perform maintenance tasks, and troubleshoot BigFix Inventory.

Objectives

After taking this course, students will be able to:

- Gain insight into the BigFix portfolio and BigFix Inventory's major offerings
- Understand Software ID / Discovery, Signature ID / Creation, software usage, and license metrics
- Learn to operate BigFix Inventory including the software catalog and custom software signatures; deploy scanners, and classify software
- Create and schedule reports (audit, RVU, PVU, custom) for both applications and infrastructure
- Learn techniques to maintain and optimize BigFix Inventory
- Perform basic troubleshooting techniques for application and platform issues

Topics

- Overview including key concepts, features and functions of BigFix Inventory
- Configure and Operate BigFix Inventory including optimization
- Create a wide variety of reports for different stakeholders in the organization
- Deployment tasks and technologies
- Maintain BigFix Inventory
- Troubleshoot BigFix Inventory

Prerequisites

Students should have: basic Microsoft Windows skills and have previously taken AIS BigFix Operator Fundamentals course, or equivalent experience.

Duration

One day

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Course Outline

I. Overview

- A. Introduction, covering benefits, risks, and advantages; the BigFix portfolio and adjacent products; and roles and responsibilities
- B. Key Concepts, including contracts; discovery; Fixlets, tasks, and analyses; highwater mark; background activities; and Bundling
- C. Features and Functions of BigFix Inventory (BFI) / License Metric Tool (LMT), including: software discovery and identification; signature discovery and creation; software usage counting; reports; license compliance; and usage monitoring

II. Plan

- A. Architecture of BFI/LMT, including scalability (BigFix architecture, scan groups, data import); network design; Firewalls, proxy servers, and ports; network planning; air-gapped networks; reporting groups; and migration
- B. BigFix Platform and BFI/LMT Infrastructure, covering server and database requirements; disk space; permissions; multiple Inventory/LMT servers; Licensing & masthead; Installing BigFix Server, relays, and clients; security and access

III. Deploy

- A. Endpoints and Scanners, including distributed OS scanners; and shared file systems
- B. Deployment Tasks, such as upgrading the BFI Server; using BESAdmin; managing the BFI/LMT content site in BigFix; client categorization; backup and restore; roles in BFI/LMT; and permissions in BigFix

IV. Configure and Operate

- A. BFI/LMT Components, including the software catalog; PVU Table; Part Numbers; capacity data collection; public clouds; advanced scanning; supported virtualization technologies; disconnected scans; and custom software signatures
- B. Optimization, including activating analyses; authentication options; customize login page; advanced HTTP connectivity options; and data retention
- C. Reporting, which includes automated bundling; software classification; RVUs, PVUs and other metrics; scheduling reports; tagging; advanced server settings; thresholds; enterprise software; audit snapshots; and contracts

V. Maintain

- A. BFI/LMT Application management, covering software catalog upload and distribution to endpoints; deployment health; data imports; PVU tables; and database management
- B. BigFix Platform management, including Fixlet site version; VM Manager updates; Security and encryption; infrastructure health

VI. Troubleshoot

- A. BFI/LMT Application issues, such as scanner diagnostic data; VM Manager statuses and actions; Debugging the import; database performance and connectivity; UI performance; client scans
- B. Support resources, including log locations; VM Manager command line options; manual catalog updates; support; Forums and self-help