



# HP 3PAR Performance and Tuning

Course Number      H6D29S

Duration              2 days

---

This 2 day course will cover performance and tuning functionality of an HP 3PAR Storage. It will cover Architecture overview, Life of an IO, Limits off the P10000 and 7000 series, Things to look at performance wise, Adaptive Optimization performance troubleshooting, Measuring and Capturing Performance, use different Tools to analyze the Data and Case study's.

## Audience

This course is intended for Information Technology (IT) Professionals who are already experienced with the HP 3PAR Storage

## Prerequisites

Before attending this course, students must have attended the courses HK902S, Managing HP 3PAR StoreServ I and HK904s, Managing HP 3PAR StoreServ II.

## Course content

### Architecture Overview

- Physical Disks, Chunklets, Logical Disks Virtual Volume, Virtual Lun, Regions, Pages

### Life of an IO

- Node Connections
- Local Read/ Writes
- Remote Read/ Writes

### Limits

- IO Limits P10000
- IO Limits 7200 and 7400
- IO Limits 7450

### Various things to look for

- delayed ack mode
- single streamed small I/O
- interrupt coalescing

### Measuring Performance

- IMC
- System Reporter

### Capturing Performance

- Service Processor
- System Reporter
- IMC

### Tools

- PTS Tool
- APE Tool