

Oracle Solaris 11 Dynamic Tracing (DTrace)

Course Overview

- Course Goal
- Skills Gained
- Course Agenda
- Introductions
- Your Learning Center

Introduction to Dynamic Tracing

- Overview of the DTrace Technology
- Describe the DTrace Architecture
- Examine a DTrace Command
- Describe the D Programming Language

Creating DTrace Scripts to Collect System Information

- List and Use Utilities for Monitoring System Performance
- Obtain System Call Information
- Observe System Memory Activities
- Track System wide Events Related to CPU
- View Disk I/O Statistics
- Observe Network I/O Statistics
- Create Custom System Monitoring Tools

Tracing User Applications With DTrace

- Use the pid Provider to Set Probes in User Code and Libraries
- Use DTrace to Profile an Application
- Use DTrace to Access Application Variables

Anonymous and Speculative Tracing in DTrace

- Discuss and Use Anonymous Tracing Facility
- Discuss and Use Speculative Tracing Facility

Applying Best Practices for Using DTrace

- Minimize DTrace Performance Impact
- Tune DTrace Buffers
- Write Error-Free DTrace Scripts
- Identify the Privileges Necessary to Run DTrace Operations