Course Code: SDT

NKT Training

Unix - Linux – Solaris - Virtualisation

Course Duration
3 days

Solaris Dynamic Tracing (DTrace)

Course Overview

Solaris Dynamic Tracing, DTrace, is a new powerful feature introduced to Solaris 10. It is intended for use by System Administrators, System Tuning personnel, kernel developers and application programmers.

DTrace makes use of numerous built-in probes which can record arbitrary data from the system, trace processes on live systems, monitor kernel and application processes, all with minimal performance loss and totally programmable by the user.

Who should attend

System Administrators, kernel developers system tuners and application programmers who require to monitor processes in detail on live systems.

Course Topics

- Introducing DTrace

  Features, architecture, probes and D Scripts
- Using DTrace

  DTrace performance monitoring, aggregations, D variables, arrays, built-in macros
- Debugging applications

  The *pid* provider, application variables, transient errors, file access.
- Debugging system problems

  Accessing Kernel Symbols, Kernel variables and data structures, lock contention info, monitoring read calls, anonymous tracing, speculative tracing, DTrace privileges.
- Troubleshooting DTrace

  Minimising performance impact, DTrace buffers, debugging DTrace scripts.