

DCE Administration

Computer-based training (16 hours)

Audience:

- System Architects
- Application Developers
- Support Staff
- System Administrators

Prerequisites:

- Experience with distributed UNIX systems
- Some networking experience is a plus
- No prior DCE knowledge is assumed

Description:

The course will cover fundamental DCE concepts and the commands and tools used in installing configuring and managing a DCE environment. The course will focus on the decisions that must be made when planning for a production DCE environment. Student exercises are included. Syntax of the DCE API. Syntax of Global Directory Service (GDS) commands are *not* included. Student handouts will include lecture notes, and exercises as well as a concise DCE memory aid. The course is based on OSF's DCE version 1.1 and is customized for DCE on the AIX platform.

Objectives:

- A thorough grounding in the elements of OSF DCE
- Coverage of the commands/tools/concepts needed to:
- Plan a production DCE Cell
- Install DCE itself
- Install & Configure DCE Applications
- Manage a DCE environment
- Manage the DCE filesystem.

Goals: On leaving the class, participants should be able to:

- Install a DCE cell
- Describe each of the following DCE services:
- The Cell Directory Service (CDS)
- The DCE Remote Procedure Call (RPC) mechanism
- The Security Service
- The Distributed Time Service (DTS)
- The Distributed Filesystem (DFS)
- Describe how these services interoperate.
- Describe the benefits of the DCE services.
- Appreciate steps involved in installing applications.
- Awareness of commands and utilities used in managing and configuring a DCE environment.

Outline:

- An overview of each OSF DCE service
- A comparison of DCE services and their UNIX (TM) equivalents
- DCE contributor corporations and current DCE platforms
- The DCE Cell Directory service:
- Managing DCE Remote Procedure Call Based Applications:
- The DCE Security Service
- Programming the DCE Shell
- The Distributed Time Service
- Connecting Cells Together
- The DCE Audit Service
- Access to other cells
- DCE Install

System Requirements:

- Microsoft Windows XP or later
- 80 MB of free hard disk space
- 1 GB of RAM
- SVGA (or higher) resolution graphics
- DVD/CDROM drive
- Sound capability

You may download the datasheet for this class as PDF