Implementing AIX Security Features

Information

Length:	5.0 Days
__Ref:	AN57G-X
Delivery method:	ClassroomInstructor Led Online
Price:	AUD

Overview

This course is designed to help you implement a security policy in an AIX environment. AIX 6.1 features are covered.

Public

This advanced course is intended for persons who:

- Want to learn what the security mechanisms are in an AIX system
- Will plan, implement, or distribute a security policy in AIX
- The audience for this training includes:
- AIX technical support individuals
- System administrators
- System architects

Prerequisits

You should have basic AIX administration experience. The AIX prerequisite may be met by attending one of the two following classes **or** having equivalent AIX skills:

- *AIX Basics (AN10G)*
- *Jumpstart for UNIX Professionals (AN14G)*

To use PowerSC, a knowledge of VIO LPARs is required. This prerequisite could be met by attending the following class **or** having equivalent skills.

- *Power Systems for AIX - Virtualization I: Implementing Virtualization (AN30G)*

Objective

- Describe security threats to a computer system
- List the AIX commands and components that can meet both the base system and network security

threats, including how to configure IPSEC and LDAP
- Configure, distribute, and monitor a security policy and check sox-cobit compliance using AIX Security Expert and LDAP with Active Directory
- Configure the role-based access control (RBAC) feature (AIX 6.1)
- Implement encrypted file systems (AIX 6.1)
- Implement the Trusted Execution feature (AIX 6.1)
- Implement trusted services using the PowerSC IBM product (AIX 6.1 TL6)
- Implement the AIX install time options of Secure by Default and Trusted AIX (AIX 6.1)

Topics

Day 1

- Welcome
- Unit 1 - Introduction to AIX security features Unit 2 - AIX base system security
- Unit 3 - AIX network security, Topic 1: Securing remote commands Exercise 1 - Security in an IT environment
- Exercise 2 - AIX base system security
- Exercise 3 - AIX network security, Part 1: TCP/IP security environment

Day 2

- Unit 3 - AIX network security, Topic 2: IP Security
- Unit 4 - Implementing and distributing a security policy with AIXPert Exercise 3 - AIX network security, Part 2: NFS
- Exercise 4 - Implementing and distributing a security policy with AIXPert

Day 3

- Unit 5 - Implementing role-based access control
- Unit 6 - Implementing encrypted file systems Unit 7 - Implementing Trusted Execution
- Exercise 5 - Implementing role-based access control Exercise 6 - Implementing encrypted file systems Exercise 7 - Implementing Trusted Execution

Day 4

- Unit 8 - Introduction to PowerSC
- Unit 9 - Centralizing security with LDAP and Kerberos, Topic 1: Implementing an AIX LDAP server
- Exercise 8 - Introducing PowerSC
- Exercise 9 - Centralizing security with LDAP and Kerberos, Part 1: LDAP on AIX

Day 5

- Unit 9 - Centralizing security with LDAP and Kerberos, Topic 2: Kerberos and
- Active Directory
- Unit 10 - AIX install time security options
- Exercise 9 - Centralizing security with LDAP and Kerberos, Part 2: LDAP with Active Directory
- Exercise 10 - AIX install time security options
- Lab time