

## Course Contents: CA SiteMinder Version 12.5

**Course Duration** - Around 15+ Hours

**A. Before you start:**

1. No Hands-on lab/software will be provided, as CA SiteMinder is fully licensed product and unlike oracle, it is not free for learning distribution.
2. All video contents, Running Notes will assist you to implement in customer environment
3. It is a 100% practical, use case oriented course, which is demonstrated/simulated as execution of a Mini Project (right from installation to configuration and thorough implementation)

**B. Introduction:**

1. Introduction
2. Course Agenda
3. Course Objectives

**C. Define CA Siteminder:**

4. What Is CA Siteminder?
5. How Is CA Siteminder Beneficial
6. CA Siteminder Services and Functions
7. CA Siteminder Core Components
8. PEP
9. PDP
10. PAP
11. Accessing a Protected Resource
12. CA Siteminder Authentication and Authorization
13. Common Integrations
14. Secure Proxy Server
15. Identity Federation
16. SSO
17. New Features in CA Siteminder
18. CA DLP Integration
19. CA Identity Manager Access Roles in Policies
20. CA Report Server
21. Federation Services

**D. CA Siteminder Deployment**

22. CA Directory Server Deployment
23. CA Siteminder Policy Server Installation
24. Admin UI & FSS UI Configuration
25. Policy Store / Audit Store Configuration
26. Web Agent Installation (IIS / Apache)
27. Web Agent Configuration

**E. Administer Web Agents**

28. How Web Agents Secure Resources
29. Web Agent and Policy Server
30. CA Siteminder Cookies
31. SMSESSION Cookie

32. Types of Agents
  33. Configuration Methods
  34. Web Agent Terms
  35. Configuration Objects: ACO
  36. Configuration Objects: HCO
  37. Agent Groups
  38. Centralized Agent Model
  39. Deploy a Web Agent
  40. Web Agent Configuration Files
  41. Navigating the Administrative User Interface (Admin UI)
- F. Configure User Stores**
42. Directories and Databases
  43. Service Accounts
  44. LDAP
  45. General Information about LDAP
  46. User Disambiguation in an LDAP Directory
  47. Attributes and Attribute Mapping
  48. Directory Attribute Mapping
  49. User Attribute Mapping
  50. Types of Attribute Mapping
  51. Active Directory
  52. Secure Connection with SSL
  53. Password Integration
  54. ODBC
  55. ODBC Database
  56. Create a User Directory (ODBC)
  57. Configure a SQL Query Scheme
  58. Directory Mapping
  59. Configure an Identity Mapping
- G. Protect a Web Application**
60. EPM to Policy-Domain Components
  61. Enterprise Policy Management Application Objects
  62. Applications
  63. Components
  64. Resources
  65. Policy Server Processing
  66. Roles
  67. Policies
  68. Named Expressions
  69. Benefits of Named Expressions
  70. Named Expressions continued
  71. User Class
  72. Integrate Web Applications
  73. Responses
  74. HTTP Header Variables

75. Personalizing Web Pages
  76. Realms, Rules, Responses, and Policies
  77. Policy Domain
  78. Realms
  79. Rules
  80. Policies
- H. Administer CA Siteminder**
81. Protect the Administrative UI with CA Siteminder
  82. CA Siteminder Administrators
  83. Create an Administrator
  84. Scoped Administrators
  85. Authentication Schemes
  86. HTML Forms Authentication
  87. Process of HTML Forms Authentication
  88. HTML Forms Authentication Scheme
  89. Login Page (Login.fcc)
  90. HTML Form Scheme Prerequisites
- I. Configure Single Sign-on**
91. Overview
  92. SSO in a Single Domain
  93. Cookie Domain
  94. Persistent Cookies
  95. Use of Session Store
  96. Configuration of a Session Store
- J. Import and Export**
97. Policy Store Objects XPS
  98. Export and Import Tools
  99. Export Policy Data Using XPSExport
  100. Export Types
  101. Add Policy Data
  102. Replace Policy Data
  103. XPSImport
  104. Troubleshooting Policy Data Transfer
  105. XPS and Policy Store
  106. XPS and XML
  107. Data Security
- K. Configure Advanced Policy**
108. Run-time Policy Enforcement
  109. Management Console
  110. Management Console: Policy Server Status
  111. Management Console: Access Control
  112. Management Console: Administration
  113. Management Console: Performance
  114. Management Console: Connection Options
  115. Management Console: RADIUS

- 116.Management Console: OneView Monitor
- 117.Management Console: Data
- 118.Management Console: Superuser Account
- 119.Management Console: Key Management
- 120.Management Console: Policy Server Log
- 121.Management Console: Policy Server Audit Log
- 122.Management Console: RADIUS Log
- 123.Profiler Tool to Configure Tracing
- 124.Management Console: Configuration Settings
- 125.Management Console: Output
- 126.Management Console: Advanced Settings
- 127.Global Policy Concepts
- 128.Configuring Global Policies
- L. Implement Password Services**
  - 129.Objectives
  - 130.Password Services Overview
  - 131.Password Services Workflow
  - 132.Password Policy Considerations
  - 133.Create Password Policies
  - 134.Enable Password Change Failure Messages
  - 135.User Initiated Password Changes
  - 136.Active Directory Integration
  - 137.Authentication Schemes Supporting Password Services
  - 138.Apply a Password Policy to a Protected Resource
  - 139.Password Administration Functions
- M. Manage Reports in the Administrative UI**
  - 140.Objectives
  - 141.How the Reports Installation Works
  - 142.Available Reports
  - 143.View a Report
  - 144.InfoView
- N. Implement Other CA Siteminder Features**
  - 145.Key Management: Web Agent Side
  - 146.Key Management: Policy Server Side
  - 147.CA Siteminder Stores
  - 148.Failover and Load Balancing
  - 149.Failover and Load Balancing: Best Practice
  - 150.Support for Hardware Load Balancers
  - 151.Performance Tuning
  - 152.Federation
  - 153.Partnership Federation
  - 154.CA Identity Minder Integration
- O. Troubleshoot CA Siteminder**
  - 155.Troubleshooting CA Siteminder
  - 156.Logs

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- 157.Troubleshooting Tools and Methods
- 158.Licensing Issues
- 159.Key Information in Agent Logs
- 160.Key Information in Policy Server Logs
- 161.smtracedefault.log Sample
- 162.Working Log Example
- 163.Log Example: Policy Server Fails to Start
- 164.HTTP Status Codes

**The approach to complete course is 100% practical, all use cases will be demonstrated practically, keeping real time scenarios in mind.**

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