

## CENTRIFY DATASHEET

# Centrify Suite Enterprise Edition Online Training

## Overview

At the completion of the Centrify Suite Enterprise Edition online training class your staff will be proficient at installing, configuring and troubleshooting the Centrify Suite Enterprise Edition in your environment.

## Pricing and Ordering

\$750 per student. Contact your Centrify Sales representative to order or email us at [training@centrify.com](mailto:training@centrify.com).

## Training Course Details

Item	Detail
Course Type	Technical Product Training
Duration	18+ hours (estimate)
Who should attend?	UNIX, Windows, Security and/or System Administrators who need to deploy and administer the Centrify Suite Enterprise Edition in their environment.
Prerequisites	<ul style="list-style-type: none"><li>- The student should have a basic understanding of UNIX, Active Directory and SQL Server.</li><li>- Viewing of the Active Directory &amp; UNIX Fundamentals online courses at <a href="http://www.centrify.com/support/training.asp">http://www.centrify.com/support/training.asp</a> (Requires a Centrify support account to access.)</li></ul>
Format	100% lecture
Course Logistics	<p>Centrify provides these classes online to registered paying students through the standard Centrify support website. Once purchased, training is available for multiple viewings for ninety (90) days from initial viewing or one hundred twenty (120) days from purchase. For each student, the following requirements need to be met:</p> <ul style="list-style-type: none"><li>- An internet-connected computer35 GB free disk space</li><li>- A web browser with the Flash plug-in installed and enabled.</li><li>- A Centrify.com login</li></ul>
Price	\$750

## Section One Training Course Modules

		Module & Description
SECTION ONE	1	<p><b>Centrify Deployment Project Overview</b> – Describes the three major components in a successful deployment of the Centrify Standard Suite.</p> <p>Key topics:</p> <ul style="list-style-type: none"> <li>- Gathering the Users &amp; Groups in your environment</li> <li>- Uncovering common data quality problems</li> <li>- Analyzing the data to create a clean set of Users &amp; Groups</li> </ul> <p><b>Target Audience: General purpose</b></p>
	2	<p><b>Active Directory Setup</b> – Describes Centrify Professional Services’ best practices for storing UNIX data in Active Directory.</p> <p>Key topics:</p> <ul style="list-style-type: none"> <li>- Selecting the best location to store your UNIX data</li> <li>- Building an organizational unit structure</li> <li>- Establishing separation of duties to manage the UNIX systems &amp; data</li> </ul> <p><b>Target Audience: Security Administrators, Active Directory and UNIX System Administrators</b></p>
	3	<p><b>Installing the Centrify Suite on Windows</b> – Describes how to install DirectControl on Windows.</p> <p>Key topics:</p> <ul style="list-style-type: none"> <li>- Creating a machine inventory for your environment</li> <li>- Using Deployment Manager to distribute adcheck to all the UNIX computers</li> <li>- Running adcheck on each UNIX computer</li> <li>- Taking actions based on the results of adcheck</li> </ul> <p><b>Target Audience: Security Administrators, Active Directory Administrators</b></p>
	4	<p><b>Configuring the Centrify Suite on Windows</b> – Describes how to configure Centrify Suite on Windows.</p> <p>Key topics:</p> <ul style="list-style-type: none"> <li>- Deployment Manager is the foundation for UNIX software deployment</li> <li>- The DirectControl Console is the foundation for UNIX authentication and authorization</li> <li>- The Zone Provisioning Agent is the foundation for automated provisioning</li> </ul> <p><b>Target Audience: Security Administrators, Active Directory and UNIX System Administrators</b></p>
	5	<p><b>Using adcheck to identify deployment problems</b> – This module describes how to identify and remediate issues that would prevent installing the Centrify Suite on UNIX computers.</p> <p>Key topics:</p> <ul style="list-style-type: none"> <li>- The DirectControl Console is the foundation for UNIX authentication and authorization</li> <li>- Deployment Manager is the foundation for UNIX software deployment</li> <li>- The Zone Provisioning Agent is the foundation for automated provisioning</li> </ul> <p><b>Target Audience: Security Administrators, Active Directory Administrators</b></p>
	6	<p><b>Installing the Centrify Suite on UNIX</b> – This module describes how to install the Centrify Suite on UNIX and Linux computers.</p> <p>Key topics:</p> <ul style="list-style-type: none"> <li>- Using Deployment Manager to install the Centrify Suite</li> <li>- Installing the Centrify Suite using a script</li> <li>- Installing the Centrify Suite using platform-specific installation commands</li> </ul> <p><b>Target Audience: UNIX System Administrators</b></p>

## Section Two Training Course Modules

Module & Description	
SECTION TWO	<p><b>7</b></p> <p><b>Planning for Zones</b> – This module discusses the steps necessary to determine what Zones you will create in your environment. Key topics:</p> <ul style="list-style-type: none"> <li>- Gathering the Users &amp; Groups in your environment</li> <li>- Uncovering common data quality problems</li> <li>- Analyzing the data to create a clean set of Users &amp; Groups</li> </ul> <p><b>Target Audience: Security Administrators, UNIX System Administrators (All Day)</b></p>
	<p><b>8</b></p> <p><b>Creating the Initial Zones</b> – This module covers the three-step process in creating new Zones. Key topics:</p> <ul style="list-style-type: none"> <li>- Deciding on Hierarchical or Classic Zones</li> <li>- Creating a Global Zone</li> <li>- Creating a Child Zones</li> </ul>
	<p><b>9</b></p> <p><b>Importing UNIX Computers, Groups and Users</b> – This module defines the three step process for importing an existing UNIX computers, groups and users into Zones. Key topics:</p> <ul style="list-style-type: none"> <li>- Step 1: Pre-Creating your UNIX computers</li> <li>- Step 2: Importing your UNIX groups</li> <li>- Step 3: Importing the users on your UNIX systems</li> </ul>
	<p><b>10</b></p> <p><b>Role Groups Role Overrides and Provisioning Groups</b> – This module covers the different types of Role Groups and Overrides you can use for your environment. Key topics:</p> <ul style="list-style-type: none"> <li>- Efficiently organizing users into Role Groups</li> <li>- Using Role Overrides to handle unusual circumstances</li> <li>- Adding existing users and groups to Provisioning Groups</li> </ul>
	<p><b>11</b></p> <p><b>Joining UNIX computers to Active Directory</b> – This module completes the basic migration from legacy authentication systems to Active Directory. Key topics:</p> <ul style="list-style-type: none"> <li>- Using Deployment Manager to join UNIX computers to Active Directory</li> <li>- Using the 'adjoin' command to connect UNIX computers to Zones</li> <li>- Verifying logins work for existing UNIX users</li> </ul>
	<p><b>12</b></p> <p><b>Adding new user and group profiles</b> – This module establishes a consistent process and software control for user and group fulfillment. Key topics:</p> <ul style="list-style-type: none"> <li>- Defining the business rules for the Universal Zone</li> <li>- Making a new UNIX user an effective user of a Zone</li> <li>- Adding a new UNIX Group profile to all Zones</li> </ul>

## Section Three Training Course Modules

Module & Description	
SECTION THREE	<p><b>13</b></p> <p><b>Troubleshooting the Centrify Standard Suite</b> – This module presents solutions to the most common types of problems encountered with the Centrify Suite. Key topics:</p> <ul style="list-style-type: none"> <li>- Troubleshooting when a user cannot login to a UNIX system</li> <li>- Troubleshooting system problems with DirectControl on UNIX</li> <li>- Troubleshooting problems with Active Directory</li> </ul> <p><b>Target Audience: Security Administrators, UNIX System Administrators and Windows Administrators</b></p>
	<p><b>14</b></p> <p><b>Role-Based Access Control</b> – This module presents DirectAuthorize PAM Access Roles, which can be used to reduce the overall number of Zones. Key topics:</p> <ul style="list-style-type: none"> <li>- Creating a role for the root equivalent user</li> <li>- Creating a role for shared/generic account users</li> <li>- Creating a role for fire call/break the box scenarios</li> </ul> <p><b>Target Audience: Security Administrators, UNIX System Administrators</b></p>
	<p><b>15</b></p> <p><b>Mapping UNIX Service Accounts to Active Directory</b> – This module discusses how to map your high privilege services accounts to Active Directory so their passwords can be centrally managed. Key topics:</p> <ul style="list-style-type: none"> <li>- Identifying a common scenario for service account migration</li> <li>- Mapping the UNIX Service Account using Deployment Manager</li> <li>- Mapping UNIX service accounts to Active Directory</li> </ul> <p><b>Target Audience: Security Administrators, UNIX System Administrators</b></p>
	<p><b>16</b></p> <p><b>Migrating UNIX service accounts to Active Directory</b> – This module discusses how to migrate your high privilege services accounts to Active Directory so they can be centrally managed. Key topics:</p> <ul style="list-style-type: none"> <li>- Creating a new service account and a new Role</li> <li>- SSH public key authentication of UNIX Service Accounts</li> <li>- Kerberos SSH authentication of UNIX service accounts</li> </ul> <p><b>Target Audience: Security Administrators, UNIX System Administrators</b></p>
	<p><b>17</b></p> <p><b>Removing legacy data</b> – This module describes the clean up process for local accounts and sudoers files. Key topics:</p> <ul style="list-style-type: none"> <li>- Migrated users and groups should only be in Active Directory</li> <li>- Cleaning up legacy sudoers files</li> <li>- Reducing the number of Zones</li> </ul> <p><b>Target Audience: Security Administrators, UNIX System Administrators and Windows Administrators</b></p>

## Section Four DirectAudit Training Course Modules

		Module & Description
SECTION FOUR	1	<p><b>Enterprise Suite Deployment Overview</b> – This module introduces the architecture of DirectAudit, and provides an overview of the major components.</p> <p>Key topics:</p> <ul style="list-style-type: none"> <li>- Planning for a successful deployment and installing and configuring the required components</li> <li>- Integrating the Enterprise Suite with existing organizational procedures</li> </ul>
	2	<p><b>Design and Planning</b> – This module describes how to size your DirectAudit installation and determine where to install the auditing infrastructure.</p> <p>Key topics:</p> <ul style="list-style-type: none"> <li>- Choosing how many DirectAudit database installations to deploy</li> <li>- Estimating the sizes for the Audit Stores and deciding how many Collectors to deploy</li> </ul>
	3	<p><b>Creating an Enterprise Suite Installation</b> – This module describes how to install the DirectAudit user interface and database(s) in your Windows and SQL Server environments.</p> <p>Key topics:</p> <ul style="list-style-type: none"> <li>- Installing the Enterprise Administrator Console</li> <li>- Creating a new Enterprise Installation using a Wizard and creating at least one Audit Store</li> </ul>
	4	<p><b>Installation of the Collectors and Agents</b>– This module covers the installation of the DirectAudit infrastructure including the collectors and agents.</p> <p>Key topics:</p> <ul style="list-style-type: none"> <li>- Installing the Collector on dedicated Windows computers</li> <li>- Installing the Agents on Windows, UNIX and Linux Computers you want to audit</li> <li>- Determining how to do large agent deployments</li> </ul>
	5	<p><b>Configuring other Enterprise Suite components</b> – This module focuses on the configuration of the DirectAudit infrastructure and agents.</p> <p>Key topics:</p> <ul style="list-style-type: none"> <li>- Using the Wizard to associate each Collector with an Enterprise Suite Installation</li> <li>- Use a Wizard to configure each Windows agent to audit sessions</li> <li>- Configuring the UNIX agents to audit all sessions, privileged commands, specific users or shells</li> </ul>
	6	<p><b>Enterprise Roles and Rights</b> – This module covers the creations of Roles and Rights in DirectAudit as well as creating the operational Roles you will use to manage the product.</p> <p>Key topics:</p> <ul style="list-style-type: none"> <li>- Understanding and leveraging the included Role and Rights</li> <li>- Creating a UNIX Support Role and creating a Windows Helpdesk Role</li> </ul>
	7	<p><b>Troubleshooting the Enterprise Suite</b> – This module focuses on different issues you may encounter when running DirectAudit and how to troubleshoot and resolve them.</p> <p>Key topics:</p> <ul style="list-style-type: none"> <li>- Diagnosing the Collectors and troubleshooting the Windows Agent</li> <li>- Where to look for information about the UNIX Agent</li> </ul>
	8	<p><b>DirectAudit Training for Auditors Users</b> – This module focuses the Auditor role in your environment and how to use DirectAudit to achieve your auditing needs.</p> <p>Key topics:</p> <ul style="list-style-type: none"> <li>- Discover how to view sessions and share them with other auditors</li> <li>- Discover how to create new queries and share those with selected auditors</li> <li>- Implementing a workflow for integrating with your CSIRT</li> </ul>