

## COURSE DESCRIPTION

# System Operations, Configuration, & Administration

## Overview

This course provides skills needed by System Administrators who are responsible for configuring and managing the various resources of the Actifio appliance desktop.

Through extensive presentations, demonstrations, Q&A, and lab exercises, this hands-on course provides detailed operational information of the Actifio Appliance, including; reviewing reports and alerts, monitoring the system dashboard, and managing jobs and events. This course also provides practical information on the protection and recovery of data protected by the Actifio Appliance as well as the configuration of resources, connectors, and user accounts.

## Course Outline

### Training Course Introduction

This module describes the training course, its schedule of completion, and all of the training course modules.

### Desktop Operations

An Actifio cluster is a management entity, comprising, either nodes, storage, switches, batteries, and a controller, or as a virtual device. The cluster is a domain name space, and the single point of provisioning. This module demonstrates your interaction to the cluster through the Actifio Desktop; providing an overview of the Actifio screens: Dashboard, Domain Manager, SLA Architect, Application Manager, and System Monitor.

### Daily Administrator Tasks

This module shows how to monitor the operation of the jobs and events on the system. Detailed discussions will cover the following: Reviewing and configuring SNMP traps, retrieving daily Report Manager reports, investigating Job Failures displayed on the Actifio Desktop Dashboard, reviewing errors and warnings displayed on the Actifio Desktop Dashboard and monitoring the System Health Monitor on the Actifio Desktop Dashboard (including disk usage, hardware usage and software status).

### Adding, Deleting, and Protecting Devices

This module details the procedures used to discover VMware VMs and physical hosts, defines the steps needed to find the application using the Application Manager, and protect the application by applying the appropriate policy template.

### PREREQUISITES

It is recommended that you complete the Actifio University online courses prior to attending this course.



**Restoring Backup Images**

Presents a step-by-step guide to using the Mount, Clone, Expire, and Restore features to recover data.

**Creating and Managing Service Level Agreements (SLAs)**

This module presents the policy template and policies approach to creating various SLAs. Primary focus is on utilizing the SLA Designer.

**Creating and Managing Organizations**

Organizations are used to enforce rules set up by Actifio administrators for users. Organization membership governs which users can access/manage which resources within the appliance.

**Managing User Accounts and Roles**

Roles are used to enforce access to the appliance. Roles govern what actions users can take on the resources under their control. This module defines the parameters that can be set.

**Configuring and Managing Storage Pools**

Actifio appliances provide three types of storage pools that are made up of MDisks. This module defines these pools and details how to configure them for optimum use for storing your protected copy data.

**Monitoring System Resource Usage**

Performance can suffer when the usage of any of the system resources reaches or exceeds the warning threshold. In this module, you will learn how to monitor these resources and be directed towards resolution procedures.

**Maintaining Connectors on Hosts**

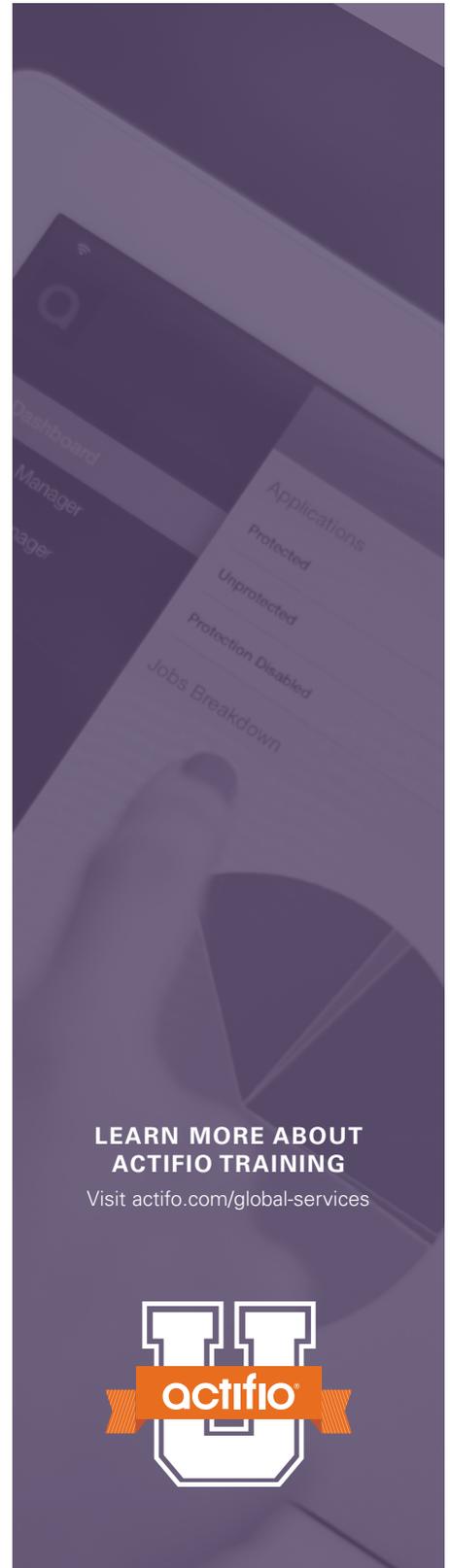
Clusters are the Actifio side of the data-protection picture, as Hosts are on end-user side of the picture. Here, you will learn how to maintain the connectors that are installed on some of your hosts.

**Dedup and Garbage Collection**

Garbage Collection (GC) is used to reclaim unused space within the Dedup pool. Here we take a look at the Actifio Dedup process; including, how the process works, how to configure GC and what the benefits of running it are. We also discuss how GC can affect system performance, and the various ways to manage that performance..

**Alerting, Monitoring, Reporting, and Troubleshooting**

This module presents topics, which includes how to research alerts through the Actifio Now User Portal Knowledgebase, and where applicable, will present steps to take in order to diagnose and/or repair error conditions.



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