

Navisphere Secure CLI Scripting with Perl

Course Description



Course Number
MR-1CN-NAVISCRIPIT

Delivery Method
Instructor Led

Duration
3 Days

Overview

This advanced course details the use of Navisphere Secure CLI and Perl for automating CLARiiON solutions. The skills taught here are useful for environments requiring automated collection of data, or starting and stopping of Snapshots, Clones, SAN Copy Sessions, and MirrorView mirrors. Extensive exercises are provided for basic CLARiiON configurations, as well as those using SnapView, MirrorView/Synchronous, SAN Copy, and MirrorView/Asynchronous for backup, testing, and disaster recovery.

A copy of 'Learning Perl, 4th Edition' is supplied to each student as part of the training material.

Audience

This course is aimed at IT and Support personnel who are or will be:

- Supporting various CLARiiON storage, array management, and business continuance configurations
- Administering IT or lab environments supported by CLARiiON storage



EMC Corporation
Hopkinton
Massachusetts
01748-9103
1-508-435-1000
In North America
1-866-464-7381

EMC², EMC, and where information lives are registered trademarks of EMC Corporation. All other trademarks used herein are the property of their respective owners.

© Copyright 2009 EMC Corporation. All rights reserved. Published in the USA.
1/06

EMC Education Services

Last modified January 12, 2009

Navisphere Secure CLI Scripting with Perl

Course Description

**Course Number**

MR-1CN-NAVISCRIPIT

Delivery Method

Instructor Led

Duration

3 Days

Prerequisite Knowledge/Skills

To understand the content and successfully complete this course, a student must have a suitable knowledgebase/skill set. The student must be familiar with these topics:

- CLARiiON performance, storage configuration and provisioning concepts
- Creation and management of LUNs, metaLUNs, and Storage Groups with Navisphere Manager and Navisphere CLI
- Virtual LUN migration
- Creation and management of SnapView Snapshots and SnapView Clones with Navisphere Manager and Navisphere CLI
- Creation and management of MirrorView and SAN Copy objects with Navisphere Manager and Navisphere CLI
- CLARiiON performance, including the effect on performance of using CLARiiON Replication Software
- Basic Perl programming concepts

Course Objectives

Upon successful completion of this course, participants should be able to:

- Read and understand basic Perl scripts
- Write basic Perl scripts
- Use Perl to aid the automation of data collection from hosts and storage systems
- Use Perl scripts to automate CLARiiON Replication Software operations



EMC Corporation
Hopkinton
Massachusetts
01748-9103
1-508-435-1000
In North America
1-866-464-7381

EMC², EMC, and where information lives are registered trademarks of EMC Corporation. All other trademarks used herein are the property of their respective owners.

© Copyright 2009 EMC Corporation. All rights reserved. Published in the USA.
1/06

EMC Education Services

Last modified January 12, 2009

Navisphere Secure CLI Scripting with Perl

Course Description



Course Number

MR-1CN-NAVISCRIP

Delivery Method

Instructor Led

Duration

3 Days

Modules

These modules are designed to support the course objectives. The following modules are included in this course:

- Module 01 – Command Line Interface
 - Lesson 01 – Introduction to Navisphere Secure CLI
 - Lesson 02 – Basic CLI Commands
 - Lesson 03 – Advanced CLI Commands
 - Lesson 04 – Replication Software CLI Commands
 - Lesson 05 – Host CLI Commands

- Module 02 – Programming in PERL
 - Lesson 01 – Introduction to Programming
 - Lesson 02 – Review of Perl
 - Lesson 03 – Data and Control Structures
 - Lesson 04 – Lists and Arrays
 - Lesson 05 – Subroutines
 - Lesson 06 – Hashes
 - Lesson 07 – Input and Output
 - Lesson 08 – Basic Regular Expressions

- Module 03 – PERL Advanced Control
 - Lesson 01 – Advanced Control Structures
 - Lesson 02 – Using Files with Perl
 - Lesson 03 – Practical Scripting with Perl

Labs

Labs reinforce the information you have been taught. The labs for this course include:

- Extract specific information from a getall
- Find the CLARiiONs on a subnet
- Create a RAID Group
- Bind LUNs from a list of LUNs
- Create snapshots, start sessions, activate snapshots, mount snapshots
- Configure Clones, sync a Clone, reverse sync a Clone
- Configure and automate SAN Copy sessions
- Configure MV/S, check progress of synchronization
- Create MV/A mirrors, add to a consistency group, synchronize, and fracture

Assessments

Successful completion of the lab exercises validates that you have learned the knowledge or skills presented during this class.



EMC Corporation
 Hopkinton
 Massachusetts
 01748-9103
 1-508-435-1000
 In North America
 1-866-464-7381

EMC², EMC, and where information lives are registered trademarks of EMC Corporation. All other trademarks used herein are the property of their respective owners.

© Copyright 2009 EMC Corporation. All rights reserved. Published in the USA.
 1/06

EMC Education Services

Last modified January 12, 2009