

## Storage Architecture for OpenStack (OSSA)

### **COURSE OVERVIEW:**

OpenStack has catalyzed the development of Software-Defined Storage (SDS), and most IT shops are just starting to understand how SDS fits in to their architecture. In this half-day, hands-on module, we'll take a look at some critical architectural decisions you'll need to make about your storage architecture, including block vs object-based storage, how to choose a file system, and key questions about high availability and scaling.

### **WHO WILL BENEFIT FROM THIS COURSE?**

This course is designed for Cloud Architects, Data Center Architects, Solution Architects, Systems Engineers, and Pre-Sales Engineers who need to evaluate and recommend OpenStack solutions for their IT organization or for their customers.

### **PREREQUISITES:**

Essentials for OpenStack

### **COURSE OBJECTIVES:**

Upon completing this course, you will be able to make critical architectural decisions about your storage architecture, such as block vs object-based storage, choosing a file system, and important questions about high availability and scaling.

### **COURSE OUTLINE:**

#### **Module 1: Storage Services Overview**

- Ephemeral vs Persistent Storage
- Block Storage Applications
- Object Storage Applications

#### **Module 2: Block Storage**

- Cinder Architecture
- Storage Array Abstraction
- Commodity Storage Backend Technologies

#### **Module 3: Object Storage**

- Object Storage Overview
- Swift Architecture
- High Availability Ring Architecture

#### **Module 4: Ceph**

- Ceph Architecture
- Applications for Ceph

#### **Hands-On Lab:**

- Configure OpenStack Storage Services

**SUNSET LEARNING INSTITUTE (SLI) DIFFERENTIATORS:**

Sunset Learning Institute (SLI) has been an innovative leader in developing and delivering authorized technical training since 1996. Our goal is to help our customers optimize their cloud technology investments by providing convenient, high quality technical training that our customers can rely on. We empower students to master their desired technologies for their unique environments.

What sets SLI apart is not only our immense selection of trainings options, but our convenient and consistent delivery system. No matter how complex your environment is or where you are located, SLI is sure to have a training solution that you can count on!

**Premiere World Class Instruction Team**

- All SLI instructors have a four-year technical degree, instructor level certifications and field consulting work experience.
- Sunset Learning has won numerous Instructor Excellence and Instructor Quality Distinction awards since 2012

**Enhanced Learning Experience**

- The goal of our instructors during class is ensure students understand the material, guide them through our labs and encourage questions and interactive discussions.

**Convenient and Reliable Training Experience**

- You have the option to attend classes at any of our established training facilities or from the convenience of your home or office with the use of our HD-ILT network (High Definition Instructor Led Training)
- All Sunset Learning Institute classes are guaranteed to run – you can count on us to deliver the training you need when you need it!

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- Dedicated account manager to suggest the optimal learning path for you and your team
- Enthusiastic Student Services team available to answer any questions and ensure a quality training experience