Openstack Essentials
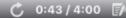
RED PLANET

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- Cloud Computing

  - Introduction

  - Traditional IT vs Cloud

  - IaaS, PaaS, SaaS

  - Public, Private, Hybrid

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- Openstack Introduction

  - Overview

  - Architecture

  - Core Projects

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- Installation

  - About Packstack & Requirements

  - CentOS Installation

  - The Real Stuff!

  - Verification

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- Horizon
  - Overview
  - Dashboard Walkthrough

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- Keystone

  - Introduction & Important Concepts

  - Architecture

  - Hands on from CLI

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- Glance

  - Overview & Architecture

  - Hands on from CLI

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- Nova
  - Introduction Architecture
  - Instance Creation
  - Useful Features
  - How to Group Compute Nodes
  - Hands on from CLI

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- Neutron
  - Introduction
  - Architecture
  - Provider & Project Networks Explained
  - Supported Network Technologies
  - Common Agents
  - Advanced Functionality
  - Hands on from CLI

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- Cinder

  - Introduction & Capabilities

  - Architecture

  - Hands on from CLI

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- Swift

  - Introduction

  - How Swift Works

  - Architecture

  - Hands on from CLI

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- Openstack Dashboard

  - Review requirements for launching an instance

  - Manage networks, volumes, images

  - Launch instances

  - Tests & validation

- Scaling Openstack & Multi Node Design

  - Scaling Openstack

  - Compute Node

  - Network Node

  - Storage Node

  - Controller Node

- Expanding the Cluster: Adding a Compute Node

  - Preparing the Node

  - Compute Node Installation

  - Installation Troubleshooting & Verification.

- Log Management

- Monitoring

Get Started with OpenStack!!!