



Online Course

HCIP-Cloud Computing

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Course Modules

1. OpenStack Architecture

- OpenStack Overview
- OpenStack Architecture
- Introduction to OpenStack Core Services
- Example of interaction between core OpenStack projects

2. OpenStack GUI Management

- Horizon Overview
- Horizon Architecture
- Introduction to the Horizon GUI

3. OpenStack Authentication Management

- Keystone Overview
- Keystone Architecture
- Keystone Object Model
- Keystone Working Principle and Process

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4.OpenStack Image Management

- Glance Overview
- Glance Architecture
- Glance Working Principle and Process
- Creating a Glance Image

5.OpenStack Computing Management

- Nova Overview
- Nova Architecture
- Nova Working Principle and Process
- Nova Operations

6.OpenStack Storage Management

- OpenStack Storage Overview
- Cinder: Block Storage
- Swift: Object Store

7.OpenStack Network Management

- Linux Network Virtualization Foundations
- Neutron Overview
- Neutron Concepts
- Neutron Architecture
- Typical Neutron Operations and Processes
- Neutron Network Traffic Analysis



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8. OpenStack Orchestration Management

- Heat Overview
- Heat Architecture
- Typical Heat Orchestration Scenarios

9. OpenStack Metering Management

- Ceilometer Overview
- Ceilometer Architecture
- Ceilometer Data Management

10. HUAWEI CLOUD Stack Architecture and Components

- HUAWEI CLOUD Stack Components and Public Components

11. Service OM Resource Management

- Service OM Overview
- Service OM Computing Resource Management
- Service OM Storage Resource Management
- Service OM Network Resource Management

12. HUAWEI CLOUD Stack Service Overview

- Introduction to Cloud Service
- Introduction to HUAWEI CLOUD Stack IaaS Services
- Cloudification Cases



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13. Introduction to HUAWEI CLOUD Stack Computing Service

- HUAWEI CLOUD Stack Basic Computing Service Overview
- Introduction to HUAWEI CLOUD Stack Computing Service
- Computing Services Practices

14. Introduction to HUAWEI CLOUD Stack Storage Service

- HUAWEI CLOUD Stack Basic Storage Service Overview
- Introduction to HUAWEI CLOUD Stack Storage Service
- Storage Solution Design

15. Introduction to HUAWEI CLOUD Stack Network Services

- HUAWEI CLOUD Stack Network Service Overview
- Common Network Services on the Cloud
- Interworking Service
- Value-added Services
- Network Solution Design



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16. HUAWEI CLOUD Stack Operation

- Operation Overview
- Resource & Organization
- Service Supply
- Metering and Pricing
- Tenant O&M
- Multi-cloud Management

17. HUAWEI CLOUD Stack O&M

- O&M Overview
- O&M Function - Collection and Control Layer
- O&M Function - Platform Layer
- O&M Function - O&M Scenario Layer

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Free Advice: +91 9600579474

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in terms of time management,
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**For contact: +91 8680961847
+91 9600579474**

