

Training: Huawei
Everyone Learns IT - Support System Technology



FORM OF TRAINING

PRICE

DURATION

E-learning

480 USD

20 days

TRAINING GOALS:

This course introduces the Refactoring of The Enabling Platform, including Cloud Computing Introduction, Big Data Basis, OpenStack Introduction, Docker basis, Open source technology foundation, NoSQL Basis, Front-end and Back-end development language basis, etc.

On completion of this program, the participants will be able to:

- Understand the cloud computing foundation and trends
- Understand the origin of OpenStack, framework and related components of the architecture principle
- Understand the development process of Docker and the essence of container technology analysis
- Understand the history of the operating system, the origin of Linux systems, Linux development of the main nodes, various Linux distributions at home and abroad, the advantages of Linux
- Understand the development of open source agreement GPL and open source and closed source difference
- Understand a variety of open source monitoring software, open source distributed storage, open source automation management software, open source technology, Internet architecture selection, open source distributed database cache product introduction and selection
- Understand the basic overview and characteristics of big data
- Understand NoSQL development history, CAP theory and NoSQL classification and representative products
- Understand MongoDB, ElactisSearch, Redis and HBase
- Understand the principle of micro service, micro service support framework and design
- Understand the commonly used front-end and back-end development language and their application scenarios and characteristics

Target Audience

- Everyone interested in topics
- Technology-related system architect, System developer, System operation personnel

CONSPECT:

- First week
 - Cloud Computing Introduction
 - The Concept of Cloud Computing
 - The Value of Cloud Computing
 - The Key Technology of Cloud Computing Virtualization Technology
 - Quiz
 - OpenStack Introduction
 - The History of OpenStack
 - Openstack Architecture
 - Nova Introduction
 - Swift Introduction
 - Keystone Introduction
 - Neutron Introduction
 - Glance Introduction
 - Cinder Introduction
 - Ceilometer Introduction
 - Heat Introduction
 - Quiz
 - Docker basis
 - Docker's development
 - Analysis of the essence of LXC technology
 - Docker Platform Architecture
 - Docker's core technology (Build.Ship.Run)
 - Docker platform with the advantages and disadvantages
 - Docker ecosystem of the industry application scenarios and enterprise applications
 - Quiz
 - First week test
- Second week
 - Open source technology foundation
 - Linux System development history
 - The Development History of Open Source Protocol GPL and the Difference between Open Source and Closed Source
 - A variety of open source monitoring software introduction
 - A variety of open source monitoring software introduction

- All kinds of open source distributed storage introduction
- All kinds of open source automation management software introduction
- Selection of Internet Architecture Based on Open Source Technology
- Open source distributed database caching product introduction
- Kubernetes Open source product introduction
- Quiz
- Big Data Basis
 - Introduction to Big Data
 - Big Data in Telecom
 - Quiz
- Second week test
- Third week
 - NoSQL Basis
 - NoSQL Development History
 - CAP theory
 - NoSQL classification and representative products
 - MongoDB Introduction
 - Elasticsearch Introduction
 - Redis Introduction
 - Hbase Introduction
 - Quiz
 - MicroService Principles, Support Framework and Design
 - Evolution from Monolithic to Microservice Architecture
 - Design of the Docker-based Microservice Architecture
 - Docker-based Microservice Architecture Analysis
 - Microservice Architecture Design Pattern
 - Microservice Architecture Management
 - Quiz
 - Third week test
- Fourth week
 - Front-end development language basis
 - Overview of front-end development languages
 - HTML5 Introduction
 - CSS3.0 Introduction
 - JAVASCRIPT Introduction
 - JQUERY Introduction

- Objective-C Introduction
- Swift Introduction
- UI front-end design specification
- Quiz
- Back-end development language basis
 - C/C++ Language introduction
 - JAVA Language introduction
 - Python Language introduction
 - Go Language introduction
 - Shell Language introduction
 - C# Language introduction
 - T-SQL Development language introduction
 - PL/SQL Development language introduction
 - Specification for writing high-quality code
 - Quiz
- Final Test

REQUIREMENTS:

No prerequisites.

Difficulty level



CERTIFICATE:

The participants will obtain certificates signed by Huawei.

TRAINER:

Huawei Certified Trainer.

ADDITIONAL INFORMATION:

Massive Open Online Courses ([MOOCs](#)) series “Everyone Learns IT” works based on the Huawei Learning Cloud Service <http://www.huaweils.com/en>.

Huawei Learning Cloud Services is a set of online learning management system can help companies to build an efficient and easy to use talent management and learning and development online learning platform. Providing include HR management, training management, online learning , e-lab services.

User can access learning cloud from Windows, MAC, iOS, Android.

All Huawei MOOC courses are provided in English.

Duration: Min 4 weeks (20 days).