

HCIA-Intelligent Computing v1

Last Update: 2020-03-25

Duration: 5 Days

Objectives

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

- (1).Describe what is computing system.
- (2).Distinguish computing product type.
- (3).Be familiar with the major vendors of computing industry.
- (4).Describe the development history and trend of the computing industry.
- (5).Understand the basic classification of processor chips.
- (6).Understand basic knowledge about heterogeneous computing.
- (7).Be familiar with the software and hardware architecture and key components of the computing system.
- (8).Be familiar with the computing platform cluster and stateless computing technologies.
- (9).Understand the technologies related to heterogeneous computing and intelligent acceleration.
- (10).Understand server management software and management ecosystem Ansible.
- (11).Be familiar with the architecture and typical application scenarios of common industry solutions.
- (12).Understand typical cases of common industry solutions.

Target Audience

People who want to become intelligent computing engineers. People who want to obtain HCIA-Intelligent Computing certification.

Prerequisites

None.

Training Content

Overview of the Computing System Architecture

1.Overview of the Computing System Architecture

Definition of the Computing System

Product types of computing system

Introduction to major players in the computing system Brief History and Development Trend of the

Computing Industry

1.Brief History and Development Trend of the Computing Industry

Brief History and Development Trend of the Computing Industry

Classification and Features of Processor Chips
Definition and Characteristics of Heterogeneous Computing

Computing Platform and Common Technologies

1.Introduction to Computing Platform Products
Server Types and Software/Hardware Structure
Key Components of the Server
Introduction to Computing Product Software
2.Common Technologies and O&M of the Computing Platform
Computing platform HA technology (including cluster and stateless computing)
Technologies Related to Heterogeneous Computing and Intelligent Acceleration
Intelligent O&M of computing products (server management software and Ansible foundation)

Industry Solution Cases

1.High Performance Computing (HPC) Solution
HPC solution (including the TaiShan HPC solution)
Typical Case Study
2. Artificial Intelligence (AI) and Intelligent Edge Solution
Artificial Intelligence and Intelligent Edge Solution
Typical Cases