

# HCIA- Kunpeng Computing

Duration	Delivery Method	Level
10 days	Online / Instructor Led	Professional

The third industrial revolution, fuelled by the powers of information technology, ushered mankind into a digital era. The fourth industrial revolution is now reshaping the world with intelligent technologies. This 5-day course will provide a brief history and development trends of the computing industry, as well as an overview of the computing system architecture, computing platforms, common technologies and industry solution cases. The course will enable learners with basic knowledge and skills in intelligent computing, chip technology, computing system architecture and products.

## Audience Profile

- For individuals who want to become engineers on Huawei's Intelligent Computing solutions
- For individuals who are preparing for the take HCIA -Intelligent certification exam

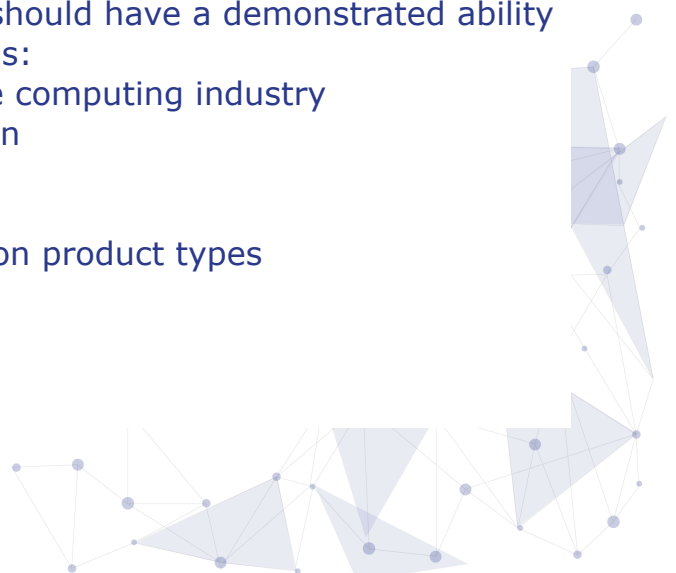
## Prerequisite

- None
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## Course Objective

After completing this course, delegates should have a demonstrated ability and knowledge across the following areas:

- The history and future trend of the computing industry
- CPU chipsets and their classification
- Heterogeneous computing
- What a computation system is
- The difference between computation product types
- The major computation players
- The definition of servers
- Distinguishing between servers



- Describing system and upper-layer software
- The principles and application scenarios of common high availability (HA) technologies, such as clusters, stateless computing and heterogeneous computing
- Various intelligent O&M management software, especially with Ansible
- The concept of HPC, common HPC architecture, HPC layers and typical HPC use cases
- The basic concepts of the intelligent edge and artificial intelligence (AI), application scenarios and challenges of AI, and the solution provided by Huawei

## **Course Content**

### **Module 1: Brief history and development trend of the computing industry**

- Definition
- Brief History
- Present Situation and Challenges

### **Module 2: CPU Chips and heterogeneous computing**

- Chip and CPU definitions
- CPU Chip overview
- Heterogeneous computing overview

### **Module 3: Overview of the computing system architecture**

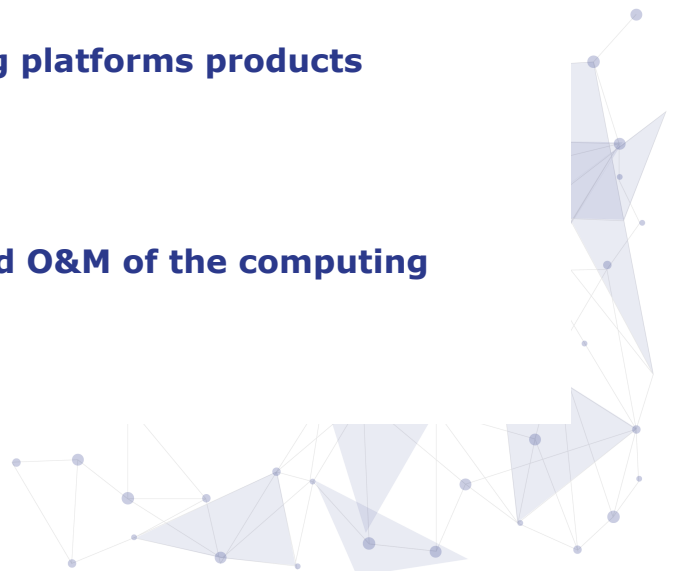
- Computation System Overview
- Hardware Architecture
- Software Architecture
- Major Computation Players

### **Module 4: Introduction to computing platforms products**

- Computing Platform Products
- Computing Product Software

### **Module 5: Common Technologies and O&M of the computing platform**

- Common Computing Technologies



- Intelligent O&M of computing Products

## **Module 6: Industry Solutions Cases**

- Introduction to the Intelligent Edge Industry
- Intelligent Edge challenges and Solutions
- Introduction to the AI Industry
- AI Challenges and Solutions

