

## HW-KPCIP



# HUAWEI CERTIFIED ICT PROFESSIONAL - KUNPENG COMPUTING

DURATION	LEVEL	TECHNOLOGY	DELIVERY METHOD	TRAINING CREDITS
5 Days	Professional	Intelligent Computing	ILT/VILT	Huawei Learning Vouchers Accepted

## INTRODUCTION

This 5-day course aims to provide professionals with the capabilities of managing and deploying kungpeng computing products, including product planning and design, installation, deployment, intelligent operation, maintenance and troubleshooting.

## AUDIENCE PROFILE

- For senior engineers on Huawei's Kungpeng Computing solutions
- For individuals who are preparing for the take HCIP -Intelligent certification exam

## PREREQUISITES

The knowledge and skills that a learner should have before attending this course are as follows:

- HCIA Kungpeng Computing certification or related knowledge

## COURSE OBJECTIVES

On completion of this course, participants should be familiar with:

- What kungpeng computing is
- Different product types and their highlights
- Typical application scenarios of intelligent computing
- The basic concepts of intelligent computing project planning and design
- The planning and design requirements, architecture and model selection of different projects
- The design process of the intelligent computing project
- The concept, process and key points of site survey
- The preparations, planning details and installation methods of servers
- The methods of powering on and off servers, operating servers and checking server status
- The functions of the basic software, such as the server BMC BIOS and RAID
- The initial configuration process of each series of servers
- The operations and configuration methods of the software tools used to update common server firmware
- Routine server inspection, maintenance, server fault diagnosis, server log collection, troubleshooting for common server faults, precautions and procedures for replacing server parts and technical support channels
- The types and application scenarios of O&M tools
- The appropriate tool for different scenarios
- Deploying, installing and using SmartKit, FusionDirector, Smart Provisioning and eService
- Describe common server faults
- Identify high-risk operations in different scenarios

## COURSE CONTENT

### Module 1: Introduction to Kunpeng computing products

- Cutting-Edge Computing Technologies and Development trends
- Huawei Intelligent Computing Product Portfolio
- Overview on Intelligent computing products
- Advantages and Application cases of intelligent computing products

### Module 2: Intelligent Computing Product Planning and Design

- Planning and Design Overview
- Planning and Design Procedure

### Module 3: Kunpeng Computing Hardware Installation and Deployment

- Site Survey
- Huawei Server Installation
- Server Power On and Power Off

### Module 4: Intelligent Computing Software Installation and Deployment

- Compatibility Issues
- Basic Server Software
- Server Initial Configuration
- Server Firmware Update

### Module 5: Overview of intelligent O&M and Troubleshooting

- Common Computing Technologies
- Intelligent O&M of computing Products

### Module 6: Common O&M Software

- Introduction to Server O&M Software
- Introduction to SmartKit
- Introduction to FusionDirector
- Introduction to Smart Provisioning
- Introduction to eService
- Introduction to the Intelligent Management Ecosystem

### Module 7: Troubleshooting Cases

- Hardware fault cases
- Management Software Fault Cases
- OS Fault Cases
- High-Risk Operation Fault Cases

## ASSOCIATED CERTIFICATIONS & EXAM

This course will prepare delegates to take the HCIP Kunpeng Computing exam # H13-221, which will test a candidate's knowledge on: Intelligent Computing Products, Kunpeng Computing Product Planning and Design, Intelligent Computing Product Installation and Deployment, Intelligent O&M and Troubleshooting.