

HCIP-IoT Developer



Online Course

ZETLAN TECHNOLOGIES
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Course Modules

1. HUAWEI CLOUD IoT solution

- IoT architecture
- Huawei Internet of Things (IoT) Solution

2. Key Features of HUAWEI CLOUD IoT Solution

- Key Features of HUAWEI CLOUD IoT Solution

3. HUAWEI CLOUD IoT E2E Development

- Overall Solution Description
- What Is a Product Model?
- What Is a Codec?
- Northbound Service Development

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4. About HUAWEI CLOUD Services

- Elastic Cloud Server (ECS)
- Data Ingestion Service (DIS)
- Object Storage Service (OBS)
- ModelArts
- HUAWEI CLOUD one-stop API Explorer



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5.NB-IoT Standards and Solutions

- NB-IoT Architecture and Protocol Evolution
- Key NB-IoT Technologies

6.Huawei NB-IoT Chips and Modules

- Introduction to NB-IoT Chips
- Introduction to NB-IoT Modules

7. Technical Principles of LwM2M

- LwM2M Features
- LwM2M Objects
- LwM2M Interfaces

8. Technical Principles of MQTT

- Overview and Development History of MQTT
- MQTT Publish/Subscribe Mode
- MQTT Topics and QoS Levels
- MQTT Packet Structure and Connection
- MQTT Retained, LWT, and Keep Alive Messages



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9. AT Commands for Common IoT Modules

- Overview of E2E Integration Development
- Introduction to AT Commands
- NB-IoT 3GPP Commands
- NB-IoT Network Access
- Wi-Fi Commands

10. Overview of the IoT OS

- Introduction to RTOS
- Introduction to LiteOS
- Challenges Faced by IoT Software
- LiteOS Architecture Design

11. Huawei LiteOS Architecture

- Huawei LiteOS Architecture
- Huawei LiteOS Kernel — Task
- Kernel Modules — Task Synchronization
- Kernel Modules — Memory
- Kernel Modules — Interrupt
- Kernel Modules — Queue
- Kernel Modules — Time Management
- Huawei LiteOS Middlewares
- Open API
- Device-Cloud Interconnection Component



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12.Common Sensors

- Introduction to Common Sensors



Free Advice: +91 9600579474

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