# HCIA DATACOM

#### Contenido:

- Data communication and network basics.
- Build an IP network with interconnection and interworking.
- Ethernet switching network construction.
- Cyber security infrastructure and network access.
- Network services and applications.
- WLAN basics.
- WAN basics.
- Network management and O&M.
- IPv6 basics.
- SDN and automation basics.





# HCIA SECURITY

### Contenido:

- Network security concepts and specifications.
- Network basics.
- Common network security threats and threat prevention.
- Firewall security policy.
- Firewall NAT technologies.
- Firewall hot standby technologies.
- Firewall user management technologies.
- Firewall intrusion revention technologies.
- Fundamentals of encryption technologies.
- PKI certificate system.
- Encryption technology applications.



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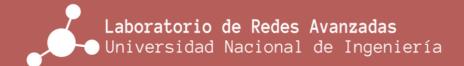
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### HCIA WLAN

### Contenido:

- WLAN Overview
- WLAN Technology Basics
- WLAN Networking Model
- Introduction to Wi-Fi 6 Technologies and Products
- Working Principles of WLAN
- WLAN access authentication
- WLAN Access Configuration
- WLAN Troubleshooting
- WLAN Antenna Technology
- WLAN Deployment Overview







# HCIA CLOUD COMPUTING

### **Contenido:**

- Cloud computing basics.
- Server basics.
- Storage Technology Basics.
- Network Technology Basics.
- Operating System Basics.
- Virtualization.
- Huawei Virtualization Platform.
- Huawei Virtualization Platform Management and Usage.
- Overview of FusionAccess.
- FusionAccess: Planning and Deployment.
- FusionAccess: Service Provisioning.
- FusionAccess: Features and Management.
- Cloud Computing Trends.



## HCIA CLOUD SERVICE

#### Contenido:

- Cloud Computing Basics
- HUAWEI CLOUD Overview
- Compute Cloud Services
- Network Cloud Services
- Storage Cloud Services
- Database, Security, CDN, and El Services
- HUAWEI CLOUD Basics





# HCIA BIG DATA

#### **Contenido:**

- Big Data Development Trends and the Kunpeng Big Data Solution.
- HDFS Hadoop Distributed File System & ZooKeeper.
- HBase Distributed Database & Hive Distributed Data Warehouse.
- ClickHouse Online Analytical Processing Database Management System.
- MapReduce and YARN Technical Principles.
- Spark In-memory Distributed Computing Engine & Flink - Stream and Batch Processing in a Single Engine.
- Flume's Massive Log Aggregation & Kafka's Distributed Messaging System.
- Elasticsearch Distributed
  Search Engine.
- MRS Huawei's Big Data Platform.
- Huawei DataArts Studio.





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## HCIA AI

#### **Contenido:**

- Al Overview.
- Machine Learning Overview.
- Deep Learning Overview.
- Al Development Framework.
- Introduction to Huawei Al Platforms.
- Cutting-edge AI applications.



