INFOSOFT IT SOLUTIONS

Training | Projects | Placements

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Cisco DNA Center

Introduction to Cisco DNA Center

- Overview of Cisco DNA Center architecture and components
- Benefits of using Cisco DNA Center in network management
- Software-defined networking (SDN) concepts and their application in Cisco DNA Center

Cisco DNA Center Deployment

- Installation and setup of Cisco DNA Center
- High availability and redundancy considerations
- Integration with existing network infrastructure and services

Network Device Management

- Discovery and inventory management
- Configuration and compliance management
- Firmware and software image management

Network Monitoring and Troubleshooting

- Real-time monitoring of network devices and services
- Event and fault management
- Troubleshooting tools and techniques in Cisco DNA Center

Network Provisioning and Automation

- Automation workflows and policies
- Template-based provisioning
- Role-based access control (RBAC) and policy enforcement

Security and Compliance

- Network segmentation and micro-segmentation
- Threat detection and response
- Compliance reporting and auditing

Application Hosting and Integration

- Hosting third-party applications on Cisco DNA Center
- Integration with IT service management (ITSM) tools
- API usage and customization options

Analytics and Assurance

- Network health and performance monitoring
- Predictive analytics and proactive remediation
- User and application analytics

Intent-Based Networking (IBN)

- Principles of IBN and its role in Cisco DNA Center
- Policy-driven automation and orchestration
- Intent assurance and validation

Cloud and Multicloud Networking

- Integration with cloud services and multicloud environments
- Hybrid network management considerations

Emerging Technologies

- Integration with IoT devices and sensors
- Application of AI/ML in network operations
- Future trends and innovations in Cisco DNA Center

12. Hands-on Labs and Practical Exercises