

Cisco: SD-WAN Cloud scale architecture Training Course

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Cisco SD-WAN Cloud scale architecture Overview:

This course is designed to provide a comprehensive introduction to Cisco's SD-WAN Cloud scale architecture. Dive deep into the benefits of Cisco SD-WAN and understand its components, security features, management tools, and much more. Whether you're looking to optimize cloud application performance, gain SD-WAN application visibility, or learn about direct internet access in SD-WAN, this course has got you covered.

Target Audience:

- Network Engineers
- IT Managers
- Systems Administrators
- Cloud Architects
- Anyone interested in SD-WAN technology

Targeted Organizational Departments:

- IT departments
- Cloud services teams
- Network Operations Center NOC
- Security operations teams

Targeted Industries:

- Telecommunications
- Cloud service providers
- E-commerce
- Banking and Financial Services
- Health care

Course Offerings:

Participants will acquire skills and knowledge in:

- In-depth understanding of SD-WAN Architecture.
- Mastering Cisco SD-WAN Platforms and its integration with Cloud.
- Implementing and monitoring security policies in SD-WAN.
- Enhancing application experience using SD-WAN.

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Training Methodology:

This course employs a mix of theoretical sessions, hands-on lab exercises, group work, and interactive case studies. Participants will also get a chance to work on a Cisco SD-WAN case study, ensuring a practical understanding of the concepts.

Course Toolbox:

- Cisco SD-WAN software
- vManage Dashboard access
- Lab scenarios and templates
- Case studies and whitepapers
- SD-WAN troubleshooting tools

Course Agenda:

Day 1: Introduction to Cisco SD-WAN and Benefits

- **Topic 1**: Introduction to Cisco SD-WAN and its Importance
- **Topic 2**: Benefits of Cisco SD-WAN in Today's Networking Landscape
- **Topic 3**: Exploring the Components and Architecture of Cisco SD-WAN
- **Topic 4**: Cisco Platforms Supporting SD-WAN
- **Topic 5**: The Role of Cloud in Cisco SD-WAN
- **Reflection & Review**: Understanding the Significance of SD-WAN in Modern Enterprises

Day 2: SD-WAN Security and Application Experience

- **Topic 1**: A Deep Dive into SD-WAN Security Measures
- **Topic 2**: Importance of Secure Direct Internet Access
- **Topic 3**: Enhancing Application Experience through SD-WAN
- **Topic 4**: Tools and Techniques for Improving Application Experience
- **Topic 5**: The Role of Circuit Quality and Meeting SLAs
- **Reflection & Review**: The Integral Role of Security and Application Performance in SD-WAN

Day 3: SD-WAN Cloud Integration and Virtualization

- **Topic 1**: Optimizing Software-as-a-Service SaaS with SD-WAN
- **Topic 2**: Extending SD-WAN to Public Clouds: Benefits and Methods
- **Topic 3**: Leveraging Colocations in an SD-WAN Environment
- **Topic 4**: The Significance of Building a Virtualized Branch
- **Topic 5**: Diving into Network Functions Virtualization and Service Chaining
- **Reflection & Review**: Understanding the Interplay of Cloud and Virtualization in SD-WAN

Day 4: Compliance, Migration, and Operations

- **Topic 1**: Ensuring Compliance in SD-WAN Deployments
- **Topic 2**: Strategies and Considerations for Migrating to Cisco SD-WAN
- **Topic 3**: Simplifying Operations for Efficient SD-WAN Management
- **Topic 4**: Monitoring, Alerting, and Troubleshooting in SD-WAN
- **Topic 5**: Role of Analytics in Enhancing SD-WAN Operations
- **Reflection & Review**: Ensuring Smooth and Compliant SD-WAN Operations

Day 5: Advanced SD-WAN Concepts and Future Outlook

- **Topic 1**: Exploring Cisco SD-WAN APIs and their Relevance
- **Topic 2**: Embracing the Multi-domain Approach in SD-WAN
- **Topic 3**: The Future: SD-WAN Managed Services and Orchestration
- **Topic 4**: Multi-domain Interactions with SD-Access and Cisco ACI
- **Topic 5**: A Glimpse into the Future of SD-WAN and Upcoming Trends
- **Reflection & Review**: Synthesizing Knowledge and Preparing for the Future of SD-WAN

How This Course is Different from Other Cisco SD-WAN Courses:

Unlike other courses, "Cisco SD-WAN Cloud scale architecture" offers a blend of theoretical knowledge and hands-on experience. This course not only covers the foundational aspects but also dives deep into advanced topics like SD-WAN analytics, migration strategies, and cloud integrations. The inclusion of real-world case studies, cutting-edge tools, and interactive sessions sets this course apart.

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- Data Analytics Training and Data Science Courses
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