Cisco DNA Software SD-WAN and Routing Matrices

Cisco DNA for SD-WAN subscription features

<table>
<thead>
<tr>
<th>License type</th>
<th>Cisco DNA Essentials</th>
<th>Cisco DNA Advantage</th>
<th>Cisco DNA Premier</th>
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<td>Management options</td>
<td>CLI, vManage, vManage</td>
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Cisco DNA for SD-WAN perpetual features

- **Layer 2 and Layer 3 routing**: Features IPv4 and IPv6 routing, BGP, EIGRP, OSPF, RIP, HDLC, SD-WAN Layer 2 and Layer 3 routing – general
- **Essential core capabilities**: Features core services such as, Layer 2 services, IPv4 and IPv6 routing, BGP, EIGRP, OSPF, RIP, HDLC, SD-WAN Layer 2 and Layer 3 routing – general
- ** involatile core capabilities**: Features core services such as, Layer 2 services, IPv4 and IPv6 routing, BGP, EIGRP, OSPF, RIP, HDLC, SD-WAN Layer 2 and Layer 3 routing – general
- **Layer 3 and Layer 3 security**: Features core services such as, Layer 2 services, IPv4 and IPv6 routing, BGP, EIGRP, OSPF, RIP, HDLC, SD-WAN Layer 2 and Layer 3 routing – general
- **Proxy and tunneling**: Features core services such as, Layer 2 services, IPv4 and IPv6 routing, BGP, EIGRP, OSPF, RIP, HDLC, SD-WAN Layer 2 and Layer 3 routing – general
- **IPsec support**: Features core services such as, Layer 2 services, IPv4 and IPv6 routing, BGP, EIGRP, OSPF, RIP, HDLC, SD-WAN Layer 2 and Layer 3 routing – general
- **VPN support**: Features core services such as, Layer 2 services, IPv4 and IPv6 routing, BGP, EIGRP, OSPF, RIP, HDLC, SD-WAN Layer 2 and Layer 3 routing – general
- **Advanced security**: Features core services such as, Layer 2 services, IPv4 and IPv6 routing, BGP, EIGRP, OSPF, RIP, HDLC, SD-WAN Layer 2 and Layer 3 routing – general
- **Network Essentials**: Features core services such as, Layer 2 services, IPv4 and IPv6 routing, BGP, EIGRP, OSPF, RIP, HDLC, SD-WAN Layer 2 and Layer 3 routing – general
- **Network Advantage**: Features core services such as, Layer 2 services, IPv4 and IPv6 routing, BGP, EIGRP, OSPF, RIP, HDLC, SD-WAN Layer 2 and Layer 3 routing – general
- **Network Advantage**: Features core services such as, Layer 2 services, IPv4 and IPv6 routing, BGP, EIGRP, OSPF, RIP, HDLC, SD-WAN Layer 2 and Layer 3 routing – general

Cisco Essentials includes an Adaptive Security Appliance for three years, and essential features such as, Layer 2 services, IPv4 and IPv6 routing, BGP, EIGRP, OSPF, RIP, HDLC, SD-WAN Layer 2 and Layer 3 routing – general

Cisco Advantage includes an Adaptive Security Appliance for three years, and essential features such as, Layer 2 services, IPv4 and IPv6 routing, BGP, EIGRP, OSPF, RIP, HDLC, SD-WAN Layer 2 and Layer 3 routing – general

Cisco Premier includes an Adaptive Security Appliance for three years, and essential features such as, Layer 2 services, IPv4 and IPv6 routing, BGP, EIGRP, OSPF, RIP, HDLC, SD-WAN Layer 2 and Layer 3 routing – general

For a full listing of the traditional routing capabilities of the Essential and Advantage perpetual licenses, please see the Cisco DNA for Routing perennial feature matrix below.

Network Essentials includes all features, bundled with Cisco DNA Essentials perpetual license.

Network Advantage includes all features, bundled with Cisco DNA Advantage perpetual license.

For a full listing of the traditional routing capabilities of the Essential and Advantage perpetual licenses, please see the Cisco DNA for Routing perennial feature matrix below.

Cisco DNA for SD-WAN subscription features

- **Connectivity and management - unlimited endpoints and VMs**: Features network management, device licensing, full mode, full mode, API-based management, and user-defined policy mapping
- **CLI, Web UI**: Features command-line interface, web-based management
- **vManage**: Features virtual network management, device licensing, full mode, full mode, API-based management, and user-defined policy mapping
- **Layer 2 and Layer 3 routing - general**: Features core services such as, Layer 2 services, IPv4 and IPv6 routing, BGP, EIGRP, OSPF, RIP, HDLC, SD-WAN Layer 2 and Layer 3 routing – general
- **Essential capabilities**: Features core services such as, Layer 2 services, IPv4 and IPv6 routing, BGP, EIGRP, OSPF, RIP, HDLC, SD-WAN Layer 2 and Layer 3 routing – general
- **Involatile core capabilities**: Features core services such as, Layer 2 services, IPv4 and IPv6 routing, BGP, EIGRP, OSPF, RIP, HDLC, SD-WAN Layer 2 and Layer 3 routing – general
- **Proxy and tunneling**: Features core services such as, Layer 2 services, IPv4 and IPv6 routing, BGP, EIGRP, OSPF, RIP, HDLC, SD-WAN Layer 2 and Layer 3 routing – general
- **IPsec support**: Features core services such as, Layer 2 services, IPv4 and IPv6 routing, BGP, EIGRP, OSPF, RIP, HDLC, SD-WAN Layer 2 and Layer 3 routing – general
- **VPN support**: Features core services such as, Layer 2 services, IPv4 and IPv6 routing, BGP, EIGRP, OSPF, RIP, HDLC, SD-WAN Layer 2 and Layer 3 routing – general
- **Advanced security**: Features core services such as, Layer 2 services, IPv4 and IPv6 routing, BGP, EIGRP, OSPF, RIP, HDLC, SD-WAN Layer 2 and Layer 3 routing – general
- **Network Essentials**: Features core services such as, Layer 2 services, IPv4 and IPv6 routing, BGP, EIGRP, OSPF, RIP, HDLC, SD-WAN Layer 2 and Layer 3 routing – general
- **Network Advantage**: Features core services such as, Layer 2 services, IPv4 and IPv6 routing, BGP, EIGRP, OSPF, RIP, HDLC, SD-WAN Layer 2 and Layer 3 routing – general

For full hardware support, including the network switch (SD-Access/Flex On-Ramp) and switches, customers will require Cisco IOS® XE or Cisco DNA Advantage subscription. For a full listing of the traditional routing capabilities of the Essential and Advantage perpetual licenses, please see the Cisco DNA for Routing perennial feature matrix below.

For full hardware support, including the network switch (SD-Access/Flex On-Ramp) and switches, customers will require Cisco IOS® XE or Cisco DNA Advantage subscription. For a full listing of the traditional routing capabilities of the Essential and Advantage perpetual licenses, please see the Cisco DNA for Routing perennial feature matrix below.