

Benefits of Upgrading to Cisco 1000 Series Integrated Services Routers



Learn more at <https://www.cisco.com/go/isr1000>

Intent-based networking capabilities	Features	Cisco 1800 Series (EOL Oct 2016) and 1900 Series (EOS Oct 2017) Integrated Services Routers	Cisco 819 and 890 Integrated Services Routers	Cisco 1000 Series Integrated Services Routers	Benefits
 Policy-based automation	Cisco DNA Center centralized management	×	×	✓	Simplifies network management, enables network deployment in minutes, and predicts problems before they happen
	Cisco® SD-WAN	×	×	✓	Cloud-delivered, secure, flexible and rich services architecture that delivers the best user experience over any connection
	Pay-as-you-grow performance and services	×	×	✓	Ability to buy what you need today and upgrade anytime without a complete equipment upgrade
 Analytics and assurance	Cisco DNA Assurance network monitoring	×	×	✓	Continuous verification, insights and visibility, and corrective actions
	Cisco Application Visibility and Control (AVC)	×	✓	✓	Visibility into 1000+ applications for capacity planning and prioritization
	Cisco SD-WAN vAnalytics	×	×	✓	Enables future planning based on intelligent data and provides recommendations for predictable app performance
 Connectivity and performance	Cisco IOS® XE open operating system	×	×	✓	Multicore processing for increased network services performance and availability
	Next-generation wireless	×	×	✓	Faster, more optimized wireless access with 802.11ac Wave 2
	Next-generation WAN	×	×	✓	Faster connectivity with 4G LTE Advanced and next-generation DSL options, such as G.fast
	Power over Ethernet Plus (PoE+)	×	×	✓	Enhanced power over Gigabit Ethernet for reduced deployment times and energy costs

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 Security and compliance	Trustworthy systems	×	×	✓	Security foundation that also provides next-generation encryption and integrity verification
	Cisco Umbrella™ (OpenDNS)	×	×	✓	Protection from malware, botnets, phishing, and targeted online attacks using real-time threat intelligence
	Cisco Stealthwatch® Enterprise	×	✓	✓	Branch network visibility and device-level incident response with packet capture and machine learning
	Encrypted Traffic Analytics	×	×	✓	Ability to find malicious activity in encrypted traffic without decryption

Cisco software subscription licenses for routing make it easy for IT to get started on their intent-based networking journey.

- Flexibility and investment protection
- License portability between on-premises and cloud management
- Access to ongoing routing innovations

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