

# Transforming the Network Edge

Cisco ASR 1000 Series routers offer service providers and enterprises industry-leading performance, service capabilities, reliability, and efficiencies in a compact form factor. Using an innovative new Cisco QuantumFlow processor, current and future services can be instantly turned on to operate at line rate without compromising network performance or availability.

## Important Features

- Delivers integrated, high-performance services, including multigigabit encryption, broadband, 10 Gbps firewall, (NBAR), and session border control (all software enabled—no service blades required)
- Establishes new price/performance class for edge routers that delivers service integration for personalized residential “any play” and complex business services
- Provides powerful resiliency with convenient and cost-saving in-service software upgrade (ISSU) capability
- Offers software redundancy on nonredundant hardware with ASR1002 and ASR1004

## Key Innovations

- Extends high availability to the edge: Enables in-service software upgrades, even for single-route processor configurations delivers instant-on service: Requires only a software license to activate key services
- Enables enhanced operating efficiencies: Compact form factor reduces power consumption, space, and sparing requirements with integrated wire-rate services and compact design

## Key Services

- **Enterprise**
  - Multi-service secure WAN aggregation
  - Integrated threat defense
  - Application optimization
  - Ethernet WAN
- **Service Provider**
  - Session border controller
  - SP edge broadband
  - SP edge: high-end route reflector
  - Managed CPE