Cisco Integrated Services Routers, 1800, 2800, and 3800 Series End-of-Life

Q. **When are Cisco Integrated Services Router 1800, 2800, and 3800 Series going End of Sale, End of Life?**

A. The End of Sale (EoS) and End of Life (EoL) of the Cisco Integrated Services Routers (ISR) 1841, 2800, and 3800 Series public announcement date is on Nov. 1, 2010, with an effective End-of-Sale date of Nov. 1, 2011. Per Cisco policy, the Cisco will provide an additional 5 years of support from the End-of-Sale date. The last day of support is Nov 1, 2016.

Table 1.   Integrated Services Routers G1 Key End-of-Sale and End-of-Support dates:

Key Dates	Messaging
Nov. 1st, 2010	Public EoS Announcement for the Cisco 1841, 2800 and 3800 Series
March 2011	Cisco IOS 15.1(4)M release. No new software features (bug-fixes only until End of Software Maintenance).
Oct. 31, 2011	Cisco 1841, 2800 and 3800 Series End of Sale date
January 30, 2012	Hardware last ship date
Oct. 31, 2014	End of Software Maintenance
Oct. 31, 2015	Last date for SMARTnet renewal
Oct. 31, 2016	Last date of Hardware support

Q. **Will all the products within the 1841, 2800 and 3800 Series go End of Sale at the same time?**

A. The following modular Integrated Services Routers and their associated bundles will go End of Sale on Nov. 1, 2011:

- Cisco 1841
- Cisco 2801
- Cisco 2811
- Cisco 2821
- Cisco 2851
- Cisco 3825
- Cisco 3845

*Note: For select countries in Asia and Latin America there will be other replacement products available—Please contact your local Cisco representative for further details.

Q. **Is the 1861 going End of Sale at the same time as the 1841?**

A. No, the 1861 and associated bundles are not going End of Sale at the same time as the 1841. The 1861 was introduced later than the 1841 and is still a key product in the 1800 portfolio, offering unique functionality at strategic price points.

Q. **Are the 1800 Fixed routers going End of Sale at the same time as the 1841?**

A. No, the 1800 fixed routers (1801,1802,1803,1805) are not going End of Sale at this time. When End-of-Sale notifications for these products are announced, they will be sent out according to Cisco's end of life policy.

Future End-of-Sale announcements for these products will be posted at:
http://www.cisco.com/en/US/products/ps5853/prod_eol_notices_list.html

The End-of-Sale announcements for Cisco 1811 and 1812 routers have been announced and can be found at: http://www.cisco.com/en/US/products/ps5853/prod_eol_notices_list.html

Q. **What is the reason for the End-of-Life announcement?**

A. Integrated Services Router 1841, 2800, and 3800 Series product families have lead the access routing market for the past 6 years; however with greater demands in the branch for higher performance for next-generation WAN connectivity, increased media collaboration, video and virtualization applications, Services on Demand, and greater improvements in energy savings, a new generation of Integrated Services Routers platforms are required.

Built on 25 years of innovation and product leadership along with broad market acceptance, the Integrated Service Routers Generation 2 continues to optimize service integration to transform the branch office experience with the speed, scale, and flexibility to deliver tomorrow's services transparently at a low cost of ownership.

Q. **What are the recommended migration paths for Cisco 1800, 2800, and 3800 Series?**

A. It is recommended that customers migrate to the Integrated Service Routers Generation 2 (ISR G2) 1900, 2900, and 3900 Series. The ISR G2's offer from 3x to 8x performance improvements over the current generation. The ISR G2 platforms are architected to enable the next phase of branch-office evolution, providing rich media collaboration and virtualization to the branch while maximizing operational cost savings. The new Integrated Services Routers Generation 2 are future-enabled with support for new high capacity DSPs (Digital Signal Processors) for future enhanced video capabilities, high powered service modules with improved availability, multi-core CPUs, Gigabit Ethernet switching with enhanced POE, and new energy visibility and control capabilities while enhancing overall system performance.

Additionally, a new Cisco IOS® Software Universal image and Services Ready Engine module enable you to decouple the deployment of hardware and software, providing a flexible technology foundation which can quickly adapt to evolving network requirements. Overall, the Cisco 3900 Series offer unparalleled total cost of ownership savings and network agility through the intelligent integration of market leading security, unified communications, wireless, and application services.

The Cisco 2900 and 3900 Series Integrated Services Routers extend this leadership in total cost of ownership by offering Services on Demand, reducing initial capital outlays by decoupling the delivery of software from hardware on optional service modules. In addition, customers receive a Universal IOS image, capable of enabling all of Cisco's rich IOS features allowing you to quickly deploy new services without having to download a new IOS image.

The Cisco 1900, 2900 and 3900 architecture has been designed with higher efficiency power supplies that provide energy-savings features that include intelligent power management, allowing customers to control power to a specific module based on time of day, with full Cisco Energy Wise feature support in the future. The 3945E, 3925E, 3945 and 3925 routers exclusively support dual power supplies with AC, DC or POE options. This enables power supply redundancy for branch or retail environments running mission critical applications.

Overall, the Cisco ISR G2 Series offers unparalleled operational savings and network agility through the continued intelligent integration of market leading security, unified communications, wireless, and application optimization services.

The recommended product migration path for base chassis and bundles is captured in the 1841, 2800 and 3800 End-of-Life and End of Sale Notices located at:

- 1800 Series EOL7249: http://www.cisco.com/en/US/prod/collateral/routers/ps5853/eol_c51-625662.html

- 2800 Series EOL7237: http://www.cisco.com/en/US/prod/collateral/routers/ps5854/eol_c51-631228.html

- 3800 Series EOL7247: http://www.cisco.com/en/US/prod/collateral/routers/ps5855/eol_c51_624090.html

Q. **What IOS releases will be supported on the Cisco Integrated Services Router 1800, 2800, and 3800 Series until End of Software maintenance period?**

A. IOS release 15.1(4)M will be the long term IOS release supported on the 1800, 2800, and 3800 Series through the end of software maintenance. Software maintenance on 15.1(4)M will be offered until Nov. 1, 2014.

Q. **What options do I have for software support if I cannot migrate to 15.1(4)M because of insufficient memory on my Cisco Integrated Services Router 1800, 2800 or 3800?**

A. Software maintenance of IOS release 12.4(24)T will be extended through Oct 2012 for those customers who cannot migrate to 15.1(4)M. Customers desiring software support on 1800, 2800 or 3800 from Oct 2012 through the EoSM date (Oct 2014) must migrate to 15.1(4)M.

Q. **What is the core value propositions offered on the Integrated Services Routers?**

A. The key value propositions of the ISR G2 portfolio are:

- Industry leading end-to-end architectures and features
  - Borderless Networks, EnergyWise, Medianet
  - Routing, Voice/Video, Security, WAN optimization
- Integration reduces Total Cost of Ownership
  - Interoperability, higher availability
  - Lower energy use, fewer service contracts
- Evolving as business changes
  - Services on-demand
  - Continuous development of new software and hardware features

Table 2.   Cisco ISR G2 key benfits over the ISR G1

Key Benefits	Cisco ISR	Cisco ISR G2
WAN Performance	Up to 45Mbps with Services	Up to 350Mbps with Services
Network Processor	Single Core	Multicore
Service Module Performance and Capacity	Up to 160GB storage	Up to 7X with dual core and 1TB of storage
On-board DSPs	Voice	Voice + Video
Integrated Switching	Fast Ethernet with POE. Based on Catalyst 3560/3750	FE/GE Ethernet with EPOE Based on Catalyst 3560X /2960S
IOS Image	Multiple	Single Universal IOS image
Service Delivery	Hardware Coupled	Services On-Demand
Redundancy	Single Motherboard	Field upgradeable Motherboards (3900 Series), Redundant power supplies
Key Benefits[?]	EnergyWise	EnergyWise with slot based controls

Q. **What are some of the key reasons customers choose to migrate from the ISR G1 to ISR G2 platforms today?**

A. Key elements driving the migration to the ISR G2's today are:

- **Video in the Network:** Designed to deliver video to remote locations – enable video streaming, conferencing, transcoding, trans-rating using PVDM3 DSPs
- **Services On-Demand:** Offers a flexible model to deploy applications in the branch without a separate truck-roll, decoupling purchase cycles for router and Services Ready Engine (SRE) module from the application
- **Migration to Ethernet WAN:** ISR G2s offer 3-8x higher performance than previous generation ISR platforms and the broadest range of WAN options

- **Increasing scale of UC deployments:** ISR G2 roughly double the scale of CME and SRST support up to 450 and 1,500 phones & up to 24 T1/E1s for voice gateway functions

- **Optimizing WAN usage:** With WAAS on SRE or Wide-Area Application Services (WAAS) Express, enhancing application performance and richer-media experience in remote locations with low-speed links

- **SIP Trunking:** ISR G2 routers with CUBE features act as Session Border Controllers to allow customers to migrate from TDM to SIP trunking environments, scaling up to 2,500 SIP sessions

- **Securing the Branch:** Delivers most comprehensive architectures for VPN deployment between sites along with Stateful Firewall and UTM capabilities for remote locations

Q. **What are some of the key business drivers for migration at the Branch office?**

A. Some of the key business drivers are:

- Geographical expansion/consolidation including mergers or reorganization

- Regulatory compliance—PCI, HIPPA, SOX, physical security, etc

- New business models—innovative service, production process, QA projects

- Increased employee productivity initiatives, cost savings

- Training, distance learning or e-learning projects

- Green initiatives to reduce energy use and promote sustainability

Q. **What are some of the key technical drivers for migration at the Branch office?**

A. Some of the key technical drivers are:

- Current and near future End of Software and hardware support for Cisco 1600, 1700, 2600, 3600, 3700 Series routers

- Planned deployment of video & rich-media collaboration in the Branch

- Data center consolidation (support remote office application performance)

- Pervasive wireless or new types of mobile devices requiring 802.11n coverage

- New security initiatives such as threat defense, video surveillance

Q. **I would like to learn more about the difference between the Integrated Services Router 1900, 2900 and 3900 Series products, where can I find this information?**

A. Detailed comparisons are located in the ISR G2 At-a-Glance document located at http://www.cisco.com/en/US/products/ps10537/product_at_a_glance_list.html

For more information on the ISR G2 products and the latest innovations please refer to the URL below: http://www.cisco.com/en/US/products/ps10906/Products_Sub_Category_Home.html

Q. **Will the spare DRAM and Compact Flash memory, power supplies, rack mounts and cables go End of Sale at the same time?**