

Cisco IOS Software Release 12.1(1)XD

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Early Deployment (ED) Release Summary

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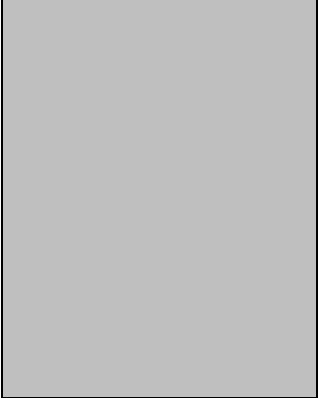
Description of the Release	<p>Cisco IOS® Software Release 12.1(1)XD is an ED release (XED). This release introduces two platform models; The AS5400 Access Server and the UBR910 Cable Access Router. All together, this release provides Access support, enhanced voice functionality and more port density.</p> <p>The features delivered with this XED release will be immediately incorporated into Cisco IOS Software Release 12.1(3)T and subsequent Cisco IOS Software 12.1T releases.</p>	
Product and Feature Support	Major New Features	Platforms/Images
	AS5400 Features <ul style="list-style-type: none">• Selecting AAA Server Groups Based on DNIS• Extended Simple Mail Transfer Protocol (ESMTP) Accounting in Store and Forward Fax• Easy IP (Phase 2) DHCP Server• Flow-Based WRED• Asynchronous Serial Traffic over UDP• Subnetwork Bandwidth Manager• Parse Bookmarks• Dynamic Multiple Encaps for Dial-in over ISDN• ISDN LAPB-TA• L2TP Dialout• Large Scale Dialout• SS7• Cisco SNMP Version 3• CNS Client for Cisco IOS Software• CNS client for IOS 12.05(t) (aka IPSec Policy Agent II)• ISDN MIB RFC 2127• Multicast Routing Monitor• NextPort Port Service Management for the Cisco AS5400 Universal Access Server• Process MIB	Cisco AS5400 & UBR910 <ul style="list-style-type: none">• c5400-js-mz• ubr910-k1y5-mz

- Time-Based Access Lists Using Time Ranges
- Resource Pool Management Server
- Resource Pool Management with Direct Remote Services

UBR 910 Features

- Replaces an existing CSU/DSU and telco-provided WAN connection, providing a high-speed WAN connection over CATV coaxial cable.
- Fits standard 19-inch and 24-inch rack mounts.
- Universal AC-input power supply, with a redundant power supply (RPS) option.
- Provides one F-connector to connect to the cable service provider through the CATV coaxial cable.
- Provides a router interface module with a high-speed Smart Serial interface to connect to the access router that is acting as the gateway for the site's LAN. The Smart Serial interface includes the following features:
 - ◆ Serial interfaces include the EIA449, X.21, and V.35 synchronous serial protocols (DCE mode only) and the EIA530 synchronous serial protocol
 - ◆ Supports the HDLC and PPP Layer 2 protocols
 - ◆ Maximum data rate up to 8 Mbps, depending on the access router and serial interface used being used.
 - ◆ The Smart Serial router interface module can connect to the most commonly used WAN interface cards used in Cisco's small and medium-sized business routers, such as the Cisco 1600 series, 1700 series, 2500 series, 2600 series, and 3600 series routers. This allows quick and easy integration of the Cisco uBR910 series DSU into these environments.
 - ◆ The router interface module is a field-replaceable unit to

	simplify servicing and upgrading.			
	Based On (root)		Ported Into	
Synchronization Points with Major Releases	Cisco IOS Software Release 12.1(1)T		Cisco IOS Software Release 12.1(3)T	
Release Type	Cisco IOS Software Release 12.1(1)XD is an X Early Deployment Release. X Early Deployment Releases (XED) as a group are based on Major Releases of Cisco IOS Software. ED Releases are a vehicle to quickly deliver new functionality, addressing the need for early availability of product. These Releases provide new technologies for customers to deploy in a limited manner in their networks. Cisco IOS Software Release 12.1(1)XD is a one-time release.			
Target Market	Cisco Systems, Inc. released Cisco IOS Software Release 12.1(1)XD as a short-lived ED release for the Cisco AS5400 and UBR910. It is targeted for the Cable and Telco market.			
Maintenance Releases	<p><i>An XED Release indicates that the release is one-time only, and maintenance for the release will come from the release on which the "X" release is based. For Cisco IOS Software Release 12.1(1)XD the maintenance release would be 12.1(3)T.</i></p> <p>Projected Release Dates for Cisco IOS Software</p>			
Interim Builds	Cisco IOS Software Release 12.1(1)XD does not provide interim builds, but may provide rebuilds to address catastrophic defects as they arise. Rebuilds of this release will come in the form of Cisco IOS Software Release 12.1(1)XD1,2,3.			
Recommended Customer Migration Path	Customer Upgrade From		Customer Upgrade to	
	New Product Release		Cisco IOS Software Release 12.1(1)XD, 12.1(3)T	
	Cisco IOS Software Release 12.0T		Cisco IOS Software Release 12.1(3)T	
	The recommended migration path is the logical superseding release, which brings additional features and hardware support to the network without loss of previously configured functionality.			
Life Cycle	Milestones	Y2K Compliance	Certification	Other Dates
	CCO FCS:05/00	Yes	LD	MFG FCS:5/00
	EOS:			
	EOE:			
	EOL:			
	Comments:			
CCO Address	<p>For more information, consult the following web pages:</p> <ul style="list-style-type: none"> • Cisco IOS 12.1(1)XD Product Bulletin Location: <p>Cisco IOS X-Release 12.1(1)XD</p>			

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- **Release Notes:**
New Features in Release 12.1 T
 - **Cisco IOS 12.1(1)XD Release Notes**

- Release Notes for Cisco AS5400 IOS Release 12.1(1)XD
- **Cisco IOS Release Related Information**

White Paper: Cisco IOS Reference Guide
IOS Roadmap

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