



Migrating from CiscoWorks Classic to Essentials

This appendix provides information about how CiscoWorks features and functionality are transitioned to Essentials.

This appendix covers:

- Data Migration
- Migrating Devices and Configuration Files from CiscoWorks
- Fully Transitioned Features
- Partially Transitioned Features
- Nontransitioned Features

Data Migration

Table C-1 shows the CiscoWorks data migration.

Table C-1 CiscoWorks Data Migration

CiscoWorks Data	Migrated?	Comments
AutoInstall	No	You can perform autoinstall manually, as described in Cisco IOS documentation.
Inventory	Yes	The data is migrated through a device import mechanism.
Polling	No	Configurable MIB polling functionality is not provided in Essentials.
Configuration	Yes	You can optionally import CiscoWorks configuration files to the Essentials configuration archive. The number of files is configurable.
Contacts	No	You can use Essentials Inventory user fields to store contact information.
Domains	No	The Essentials Device Views provide equivalent functionality.
Global commands	No	Commands are not migrated.
Configuration Snap-In	No	Commands are not migrated.
Software management	No	You can use the Essentials Software Management application to populate the software library.
User- and application-level security	No	Security data is not migrated.

Migrating Devices and Configuration Files from CiscoWorks

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- Step 1** Install Essentials, as described in the installation guide for your platform, then start Essentials.
 - Step 2** Log in as an administrator.
 - Step 3** Select **CiscoWorks2000 Server > Administration > Process Management > Stop Process**.
 - Step 4** To stop the Change Audit process, select **Change Audit** from the Process pull-down menu, then click **Finish**.
 - Step 5** Select **Resource Manager Essentials > Administration > Inventory > Import from Local NMS** or **Import from Remote NMS** to begin the import.
 - Step 6** Select **CiscoWorks** from the NM Product drop-down menu, enter the hostname and username if you are importing from a remote NMS, then click **Next**.
The Add/Import Status Summary dialog box displays the import status. Make sure all devices imported from CiscoWorks become managed. No devices should be in a Pending state.
 - Step 7** Select **Resource Manager Essentials > Administration > Configuration Management > Import from CiscoWorks**.
 - Step 8** Enter the hostname, username, and number of configuration versions per device.
 - Step 9** Click **Finish**. The Import from CiscoWorks status page displays the import status.
 - Step 10** Select **CiscoWorks2000 Server > Administration > Process Management > Start Process** to update the configuration archive.
 - Step 11** Select **ConfigUpdate** from the Process drop-down menu, then click **Finish**. The most recent running configurations from your devices are collected and stored in the configuration archive.
 - Step 12** Restart Change Audit by selecting **CiscoWorks2000 Server > Administration > Process Management > Start Process**.
 - Step 13** Select **ChangeAudit** from the Process drop-down menu, then click **Finish**. The Change Audit process tracks changes in your network.
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Fully Transitioned Features

Table C-2 shows the CiscoWorks features that are fully transitioned in Essentials. In some cases the Essentials features are enhanced beyond those in CiscoWorks; for example, Essentials works with both routers and switches.

Table C-2 Fully Transitioned Features

Feature	CiscoWorks Feature Description	Essentials Feature Description
Application Help	Online help allows keyword and full-text searches.	Context-sensitive online help allows keyword, full-text, index and search.
Configuration Manager	Provides router configuration: <ul style="list-style-type: none"> • Compares contents of two archived configuration files. • Compares latest archived version to currently running configuration files. • Changes audit records of any device configuration changes. • Imports and exports configuration files. • Retrieves and pushes configuration changes using the command line against one or several devices. • Imports router configuration from a file system into an archive. 	Device Configuration and enhanced cwconfig tool provide switch and router configuration.

Table C-2 Fully Transitioned Features (continued)

Feature	CiscoWorks Feature Description	Essentials Feature Description
Device Management	Creates, modifies, and maintains complete inventory.	Inventory: <ul style="list-style-type: none"> • Provides filters for customized reports. • Views device capacity, historical inventory information, and detailed device reports. • Adds and imports data. • Polls, collects, and updates data. • Lists, modifies, and filters data. • Views hardware, software, capacity and device detail data. • Provides Year 2000 reports.
Global Command Scheduler and Manager	Defines, schedules, and executes system commands.	Built into Essentials applications.
Login/Logout	Performs single generic log in and log out.	Administrative login and logout functionality and a five-level user security system.
Log Manager	Logs syslog messages.	Syslog Analyzer collects, logs, and reports on syslog activity.
nmconfig	Performs batch processing.	The cwconfig command performs batch processing using configuration files.

Table C-2 Fully Transitioned Features (continued)

Feature	CiscoWorks Feature Description	Essentials Feature Description
Syslog message management (nmlogd)	Generates syslog messages as NMS events.	Syslog Analysis: <ul style="list-style-type: none"> • Includes access to reports based on the database. • Provides ability to execute scripts based on message contents.
Software Inventory Manager Software Library Manager Device Software Manager	Manages and deploys Cisco software (Cisco IOS). <ul style="list-style-type: none"> • Upgrades and schedules software image changes. • Maintains lists of Cisco software and microcode. • Loads new software images. • Sorts device information. • Automates system software or microcode image upgrades. • Imports Cisco IOS images from Cisco routers or files. • Groups devices by version and creates reports. 	Software Management: <ul style="list-style-type: none"> • Checks and validates images before distributing them. • Supports Cisco switching devices.
Tool Box	GUI for starting CiscoWorks applications.	Navigation tree.
Show Commands	Emulates router EXEC show commands on a Cisco router and views device information on protocol traffic, IP, ICMP, UDP, Appletalk, DECnet IV, Novell, VINES, and XNS.	Network Show Commands.

Partially Transitioned Features

Table C-3 shows the CiscoWorks features that are partially migrated to Essentials. Partially migrated means that only some CiscoWorks functions are provided in Essentials.

Table C-3 *Partially Transitioned Features*

Feature	CiscoWorks Feature Description	Essentials Feature Description
Contacts	Accesses administrative and maintenance personnel associated with a device.	Data is not migrated; however, Essentials user fields provide similar functionality. SNMP MIB data provides system location description and contact information.
Device- and Application-Level Security	Allows all application- and user-based security in CiscoWorks to be applied to groups of devices. Application level security allows varying levels of access to CiscoWorks applications based on user authentication.	Uses a five-level security model that addresses application-level security on a user-role basis. Does not provide device-level security.
Device Monitor	Polls interface and environment status regularly.	Availability provides device monitoring. Inventory Poller and Inventory Collector monitor network device changes.
Domain Manager	Organizes devices into logical device groups that allow multiple levels of user access.	Device-level security will be provided in a later Essentials release.

Table C-3 Partially Transitioned Features (continued)

Feature	CiscoWorks Feature Description	Essentials Feature Description
Real-Time Graphs	Dynamically graphs real-time router information, router health, interface health, and protocol traffic using the NMS graphing utility. Inventory has Hardware Summary graph, Chassis Summary graph, and Software Version graph.	Protocol distribution graphs.
Sync with Sybase	Synchronizes the information in the CiscoWorks Sybase database with the information in the NMS database.	Can import inventory data from a local or remote NMS running CiscoWorks UNIX, or directly from an HP OpenView NMS.

Nontransitioned Features

Table C-4 shows CiscoWorks features and functions that are not transitioned to Essentials.

Table C-4 Nontransitioned Features

CiscoWorks Feature	Feature Description	Function Alternatives
AutoInstall Manager	Remotely configures and deploys a router based on a neighbor router configuration using autoinstall protocol.	AutoInstall must be configured manually as explained in Cisco IOS documentation.
Configuration SnapIn Manager	Creates and schedules a number of snap-in commands to a device or group of devices.	This functionality will be provided in a later Essentials release.

Table C-4 Nontransitioned Features (continued)

CiscoWorks Feature	Feature Description	Function Alternatives
Device Polling and Polling Summary	<p>Probes and extracts network condition information.</p> <p>Views polling data, and stop and start polling.</p> <p>Displays summary polling report of SMNP objects.</p> <p>Graphs historical polled data.</p>	Cisco partners will provide MIB polling functionality.
Health Monitor	Views device status, including buffers, CPU load, memory available, protocols, and interfaces information using a GUI/dashboard interface.	Similar functionality can be achieved using an NMS for MIB collection and third-party tools (for example, Concord's Network Health, INS NetworkPro, Desktalk's TrendSNMP, and so on) for turnkey network reporting.
Publish Database Schema CiscoWorks Documentation	Provides documentation and information necessary to create scripts.	Larger customers have written scripts that access the CiscoWorks database through the Sybase "isql" or other third-party tools. This requires that Cisco publish the database schema. Primarily, inventory and configuration data is accessed via these scripts.

Table C-4 Nontransitioned Features (continued)

CiscoWorks Feature	Feature Description	Function Alternatives
Report Writer (Easy SQR)	Creates custom reports on database.	Essentials includes built-in reporting for each component, and a downloadable custom report generator.
TACACS Manager	TACACS server manages user access.	<ul style="list-style-type: none"> • XTACACS protocol is replaced with TACACS+ protocol. • Commercial version of TACACS+ is CiscoSecure. CiscoSecure's scripts convert XTACACS data files to XTACACS+ data files. For information about CiscoSecure, go to: http://www.cisco.com/warp/public/cc/cisco/mkt/access/secure/index.shtml • Public domain TACACS and XTACACS (Extended TACACS) software are available from CCO. For information about these "as is" freeware items, go to: http://www.cisco.com/warp/customer/471/41.html • A freeware daemon available from CCO also can help you migrate from XTACACS protocol to TACACS+ protocol. For information about this "as is" freeware software, go to: ftp://ftp-eng.cisco.com/pub/tacacs/