

CISCO SBCS 1.0 Solution Fundamentals

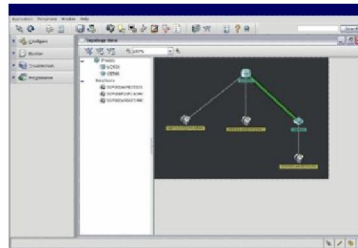
The Cisco Configuration
Assistant



Cisco Configuration Assistant Overview

Cisco Configuration Assistant:

- Configures, deploys, and administers Cisco network solutions.
- Is used for small- and mid-sized networks.
- Features a simple GUI interface.
- Dynamically configures:
 - Routing.
 - Switches.
 - Wireless access points and controllers.
 - Call-processing and voice-mail systems.



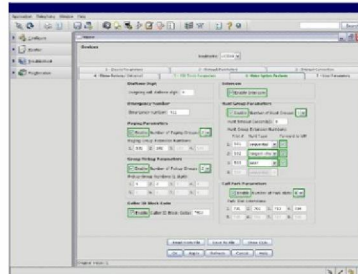
Cisco Configuration Assistant Overview – Overview

Cisco Configuration Assistant (CCA) simplifies the task of configuring, deploying, and administering Cisco Network Solutions and provides everything needed to quickly set up a small office network. Purpose-built for small- and mid-sized business networks, this PC-based application with a simple graphical user interface (GUI) discovers all devices in the network and dynamically configures all routing, switches, and wireless access points and controllers as well as SBCS call-routing and voice-mail systems.

Cisco Configuration Assistant Overview Features

CCA:

- Can generate status reports, synchronize passwords, and upgrade software.
- Improves security and performance.
- Reduces deployment time.
- Features:
 - An interactive topology.
 - Front panel views.
 - Drag-and-drop upgrades.



Cisco Configuration Assistant Overview – Features

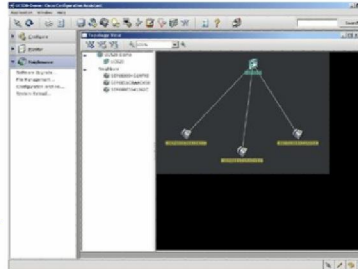
After the network is deployed, you can also use CCA to generate status reports, synchronize passwords, and upgrade software across all Cisco network devices. Together, these capabilities improve the security and performance of a network and substantially reduce the time IT staff must devote to network deployment and configuration, allowing them to focus on your business priorities.

CCA features an interactive topology, front panel views, and drag-and-drop Cisco IOS software upgrades.

Cisco Configuration Assistant Overview Topology View in the CCA

Topology view:

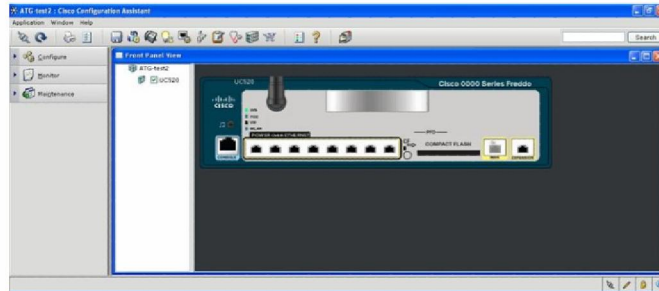
- Graphically represents devices in the network.
- Gives:
 - Device status.
 - Physical connections.
 - Monitoring capabilities.



Cisco Configuration Assistant Overview – Topology View in the CCA

The rich Topology view graphically represents the types of devices in the network as well as detailed information about device status, physical connections, and various monitoring capabilities, all from a single view.

Cisco Configuration Assistant Overview Front Panel View in the CCA



Front Panel view:

- Displays all switches and routers.
- Can be used to configure multiple ports or switches.
- Generates reports to verify optimal performance.



Cisco Configuration Assistant Overview – Front Panel View in the CCA

The Front Panel view displays all switches and routers in the network simultaneously, along with the state, duplex, and speed of ports. The Front Panel view also allows users to apply features across multiple ports or multiple switches when configuring features such as VLANs and Smartports. In addition, users can verify optimal ongoing network performance by generating comprehensive, real-time reports of network inventory and health.

Cisco Configuration Assistant Overview Functional Support

Item	Description
Switching	CCA provides a quick and easy way to configure ports on switch devices. The tool enables dynamic virtual LAN (VLAN) assignment of voice and data traffic and optimizes quality of service (QoS) using Cisco Smartports, security, and Power over Ethernet (PoE) features.
Voice	
Security	
Wireless	
Routing	
Smart Assist	



Cisco Configuration Assistant Overview – Functional Support

Cisco Configuration Assistant Overview Functional Support

Item	Description
Switching	CCA can interact with and configure all voice applications and devices dynamically. Simply access the telephony services through the phone icon on the CCA dashboard to easily set up, configure, and apply security to your router and phone system.
Voice	
Security	
Wireless	
Routing	
Smart Assist	



Cisco Configuration Assistant Overview – Functional Support

Cisco Configuration Assistant Overview Functional Support

Item	Description
Switching	CCA allows users to activate the most commonly used Cisco IOS Software security features including Network Address Translation (NAT), firewalls, and VPNs. The tool guides users to select appropriate parameters that meet the security needs of their network, based on Cisco best practices for network security that have been validated by Cisco network design engineers.
Voice	
Security	
Wireless	
Routing	
Smart Assist	



Cisco Configuration Assistant Overview – Functional Support

Cisco Configuration Assistant Overview Functional Support

Item	Description
Switching	Because airwaves can cross physical security boundaries, proper security on wireless LANs (WLANs) is essential. CCA can configure either a single access point or multiple access point networks. For standalone access points, CCA guides users through the configuration of Secure Set Identifier (SSID), authentication, and encryption. It will also configure multiple access point networks and supports controller-based solutions such as the Cisco Mobility Express Solution.
Voice	
Security	
Wireless	
Routing	
Smart Assist	



Cisco Configuration Assistant Overview – Functional Support

Cisco Configuration Assistant Overview Functional Support

Item	Description
Switching	OCA supports router configurations and port settings from LAN and WAN interface configurations. The tool makes it easy to assign IP addresses and subnet masks and change the status of Dynamic Host Configuration Protocol (DHCP), among other capabilities.
Voice	
Security	
Wireless	
Routing	
Smart Assist	



Cisco Configuration Assistant Overview – Functional Support

Cisco Configuration Assistant Overview Functional Support

Item	Description
Switching	Cisco Smart Assist offers quick setup of devices and optimization of settings.
Voice	
Security	
Wireless	
Routing	
Smart Assist	



Cisco Configuration Assistant Overview – Functional Support

Cisco Smart Assist Overview



With Cisco Smart Assist, you can:

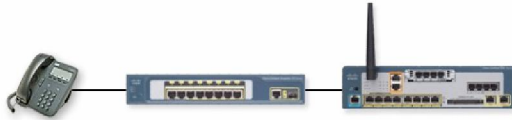
- Reduce setup time.
- Optimize network settings.



Cisco Smart Assist – Overview

Cisco Smart Assist technology helps reduce the time it takes to set up devices and applications in the network by enabling plug-and-play functionality. Cisco Smart Assist can also help optimize network settings.

Cisco Smart Assist Features



Cisco Smart Assist features offer:

- Improved ease of set up and deployment.
- Help in optimizing network performance and security.
- Aid in the ongoing operation of Cisco networks.



Cisco Smart Assist – Features

Cisco Smart Assist offers many features, such as improved ease of set up and deployment of Cisco devices. The solution also helps in optimizing network performances and security. Lastly, it aids in the ongoing operation of Cisco networks as they grow.

