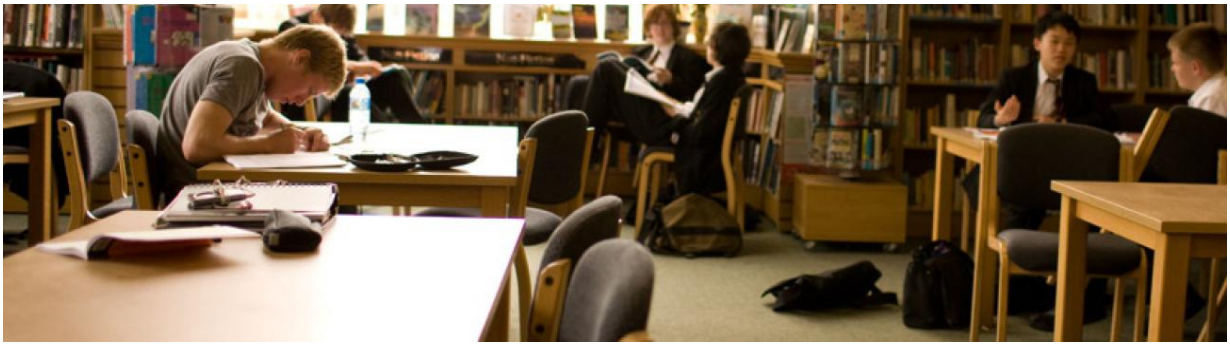
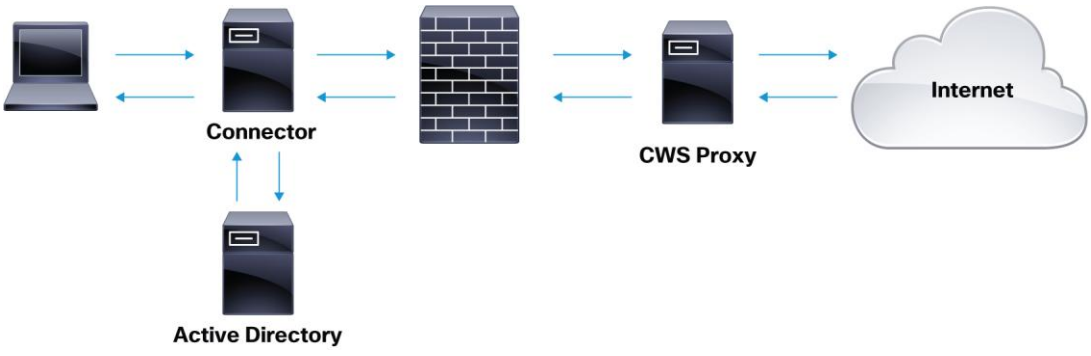
Cisco Cloud Web Security: Connector Activation Guide



This document outlines the deployment of the Cisco Cloud Web Security (CCWS) service. Included are the deployment description, configuration checklist, and step-by-step video tutorials that detail all the steps necessary to successfully activate the Filtering and Scanning of Web traffic.

Connector Software is installed on a server within the LAN. Its purpose is to obtain a user's identity from a workstation and directory services (i.e. Active Directory) and to send this information to the Cisco Cloud for policy administration and reporting. A workstation's web traffic is commonly redirected to the Connector by using centralized management tools like Active Directory Group Policy Objects (GPO) to modify the browser settings. When an exception to bypass traffic is required (i.e. not scanned), a configuration can be made within the Connector or Hosted PAC file held on the Cisco cloud proxy.

Figure 1. Connector Web Traffic Flow



Client Checklist

- Configure the firewall to allow port 8080 outbound from the Connector to the allocated Cloud Web Security proxy. If exceptions are configured, port 80 outbound access will also be required.
- Provide your public facing external IP addresses that we can expect traffic from (see video 2a). This is used to authorize your traffic into the Cisco Cloud.
- Ensure that there is no rate limiting on the firewall that will prevent or hinder connections to the cloud proxy. This may be rate limiting or DoS Protection.
- Gather any supplier sites that are TCP wrapped, or rely on traffic originating from a static source IP and will not accept connections via the cloud proxies. These need to be noted for exception.
- Gather any internal or external domains or URLs that need exception.
- Review the minimum hardware specifications for a Connector including the adequate number for fault tolerance and redundancy.
- Create an AD user account that can be used by the Connector for obtaining LDAP group memberships. This account should have domain user rights. For the configuration, the username, password, Distinguished Name of the account (see video 3), and IP address of the Global Catalog Domain server are required.

Additional considerations: proximity of the AD domain servers, nested AD groups, multiple domain servers and/or backup server schemas.

Video Tutorials

Cisco Cloud Web Security Preparation

These videos are a good reference for gathering the needed items for the configuration. It also reviews how to test basic connectivity.

1. Verify Connection to Tower
2. Authorizing Location
   a. For Static IP: Determining Your Egress IP
   b. For Dynamic IP: Authentication License Key Creation and Management

Note: Prerequisite if Group Keys will be used—How to Create and Manage Groups in the CCWS Portal

3. How to Find the Lookup User DN

Web Traffic Redirection

These videos review how the Hosted PAC files can be used to manage web traffic. PAC files give administrators a convenient way to redirect traffic and manage exceptions.

4. How to Configure a PAC File
5. How to Host a PAC File in the Cisco Cloud
6. How to Configure Clients to use a PAC File

Configuring a Connector

This video details the basic configuration of a Windows Connector. The Connector will redirect traffic to the Cisco Cloud and obtain user information.

7. How to Install a Connector Server

ScanCenter Configuration

After traffic is successfully redirected and user credentials are being passed to the Cloud, it's time to configure the Web Filtering policy.

8. How to Create and Manage Groups in the CCWS Portal
9. How to Manage and Configure Web Filtering Policy
10. Cisco Cloud Web Security Portal Overview

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