Introduction

This guide introduces release 3.3 deployment guide for the Cisco Converged Access CT5760 and Cat3850 products. This guide is designed to help you deploy and monitor new features introduced in release 3.3.

The document builds on previous releases with the assumption that users are familiar with the Converged Access products. Please refer to both the CT5760 Controller Deployment Guide and the Cisco Catalyst 3850 Switch Deployment Guide for released features not covered in this guide.

The following topics are covered under this chapter:

CT5760 Controller

CT5760 is an innovative UADP ASIC based wireless controller deployed as a centralized controller in the next generation unified wireless architecture. CT5760 controllers are specifically designed to function as Unified model central wireless controllers. They also support newer Mobility functionality with Converged Access switches in the wireless architecture.

CT5760 controllers are deployed behind a core switch/router. The core switch/router is the only gateway into the network for the controller. The uplink ports connected to the core switch are configured as EtherChannel trunk to ensure port redundancy.

This new controller is an extensible and high performing wireless controller, which can scale up to 1000 access points and 12000 clients. The controller has 6 to 10 Gbps data ports.

As a component of the Cisco Unified Wireless Network, the 5760 series works in conjunction with Cisco Aironet access points, the Cisco Prime infrastructure, and the Cisco Mobility Services Engine to support business-critical wireless data, voice, and video applications.

Service Discovery Gateway (mDNS Gateway)

Cisco's Service Discovery Gateway is an IOS component that implements the Zeroconf suite of technologies in IOS. Zeroconf is a widely used standard for plug-and-play service discovery, including Apple Bonjour® services. Zeroconf has been designed with the local network in mind and operates only in its local network. However, due to the huge success of the BYOD device in enterprises and educational institutions, the need to support Zeroconf enabled services beyond the boundaries of a local subnet has become top of mind.

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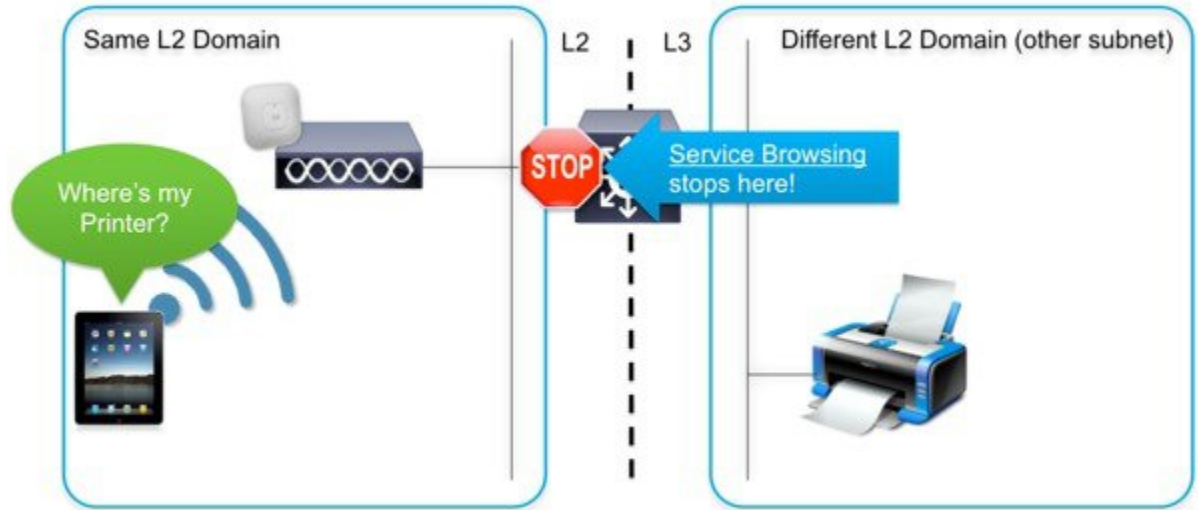
Cisco's Service Discovery Gateway allows for controlled and secure access to services and devices across subnets. It listens to service announcements on all configured network segments and builds a cache of services and addresses. It proxies these requests to other segments and can also apply filters based on various service attributes. These filters can limit what services will be requested or advertised.

Service Discovery Gateway Deployment Guide, Cisco IOS-XE Release 3.3

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