

# Configuration of the Content Switching Module on a Catalyst 6000 Running CatOS System Software

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## Introduction

This document describes the important difference between a CatOS System Software and Cisco IOS<sup>®</sup> System Software configuration of the Content Switching Module (CSM). All other CSM sample configurations are configured with Cisco IOS Software on the Multilayer Switch Feature Card (MSFC), independent of the CatOS or Cisco IOS Software choice.

## Prerequisites

### Requirements

Readers of this document should be knowledgeable of the following:

- Configuration of trunking in CatOS.
- Configuration of the MSFC running CatOS System Software.

### Components Used

The information in this document is based on the software and hardware versions:

- Catalyst 6500 running CatOS 7.5.1
- MSFC running Cisco IOS 12.1(13)E4
- CSM running 3.1.2

The information in this document was created from the devices in a specific lab environment. All of the devices used in this document started with a cleared (default) configuration. If your network is live, make sure that you understand the potential impact of any command.

### Conventions

For more information on document conventions, see the Cisco Technical Tips Conventions.

# Difference Between CatOS and Cisco IOS System Software

**CatOS on the Supervisor Engine and Cisco IOS Software on the MSFC (Hybrid):** a CatOS image can be used as the system software to run the Supervisor Engine on Catalyst 6500/6000 switches. If the optional MSFC is installed, a separate Cisco IOS Software image is used to run the MSFC.

**Cisco IOS Software on both the Supervisor Engine and MSFC (Native):** a single Cisco IOS Software image can be used as the system software to run both the Supervisor Engine and MSFC on Catalyst 6500/6000 switches.

**Note:** Refer to Comparison of the Cisco Catalyst and Cisco IOS Operating Systems for the Cisco Catalyst 6500 Series Switch for more information.

## Background Information

The CSM was initially supported only in Catalyst switches running Cisco IOS System Software. Customer requests resulted in the addition of CatOS System Software support. In Cisco IOS System Software, the Layer 2 (L2) trunks between the Catalyst backplane and the CSM "interfaces" were setup automatically. In CatOS System Software, the trunks must be manually configured.

## Solution

1. In the MSFC/IOS, configure the CSM with a Client VLAN and a Server VLAN.
2. In the CatOS, trunk those two VLANs to the first interface on the CSM by issuing the **set trunk** command. For example, if your CSM is inserted in slot 3, and you have configured vlan240 and vlan204 as your client and server VLANs in the MSFC/IOS portion of the CSM configuration, the **set trunk** command would be as follows in the CatOS portion of your switch configuration:

```
set trunk 3/1 240 204
```

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## Related Information

- [Content Switching Module Product Support](#)
- [Technical Support & Documentation – Cisco Systems](#)

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