Upgrade the Switch Software Industrial Ethernet 1000

Contents

Introduction

This document describes the aspects of upgrade or downgrades the device software.

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Prerequisites

Requirements

There are no specific requirements for this document.

Components Used

The information in this document is based Industrial Ethernet (IE)1000 platform and 1.6 and 1.7 software versions.

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, ensure that you understand the potential impact of any command.

Configure

> **Note**: You cannot use the Command Line Interface (CLI) to install, upgrade, or downgrade device software, only access by Hypertext Transfer Protocol (HTTP).

Find the Software Version

The IOS file for the Cisco software Upgrade is stored on the system board flash device (flash:).

In order to see the current IOS used by the IE 1000, navigate to the principal dashboard, the information is on the Switch information>Active Image.

Software Images

Cisco Download Page.

https://software.cisco.com/download/home/286307896/type/286309642/release/

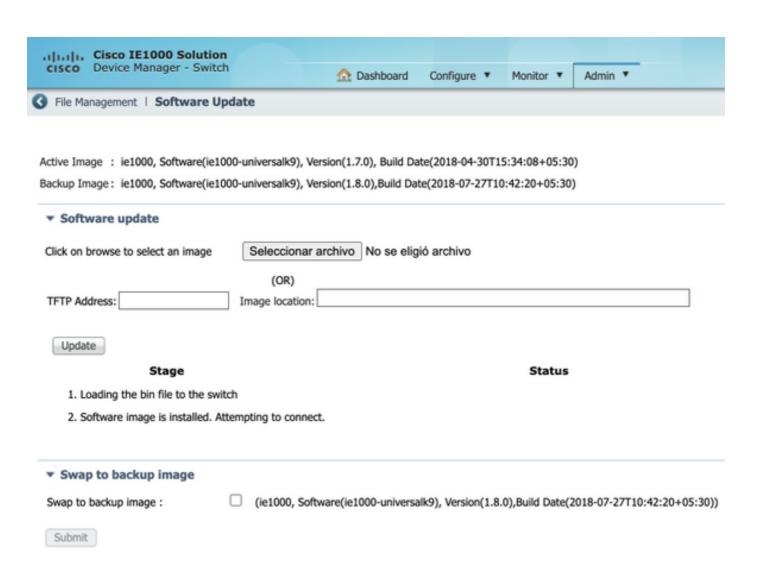| Release	File Name
1.8.2	ie1000-universalk9-mz.SPA.1.8.2.bin
1.8.1	ie1000-universalk9-mz.SPA.1.8.1.bin
1.8.0	ie1000-universalk9-mz.SPA.1.8.0.bin
1.7.0	ie1000-universalk9-mz.SPA.1.7.0.bin
1.6	ie1000-universalk9-mz.SPA.1.6.bin
1.3	ie1000-universalk9-mz.SPA.1.3.bin

Caution: Do not power cycle your switch while the upgrade is in place.

Upgrade Procedure

Step 1. Copy new Image to the switch. Device Manager provides the option to load files locally from the PC used or it can be loaded from the Trivial File Transfer Protocol (TFTP) server.

Navigate to Admin>File Management>Software Upgrade. Select on the **Select File** button.

Once the file is loaded, select the **upload** button.

Active Image : ie1000, Software(ie1000-universalk9), Version(1.7.0), Build Date(2018-04-30T15:34:08+05:30)

Backup Image : ie1000, Software(ie1000-universalk9), Version(1.8.0), Build Date(2018-07-27T10:42:20+05:30)

▼ **Software update**

Click on browse to select an image | Seleccionar archivo | No se eligió archivo

(OR)

TFTP Address: [   ]   Image location: [   ]

[Update]

Stage	**Status**
1. Loading the bin file to the switch	
2. Software image is installed. Attempting to connect.	

▼ **Swap to backup image**

Swap to backup image :   ☐   (ie1000, Software(ie1000-universalk9), Version(1.8.0), Build Date(2018-07-27T10:42:20+05:30))

[Submit]

Step 2. Verify, you can confirm the IOS in use once the upgrade is completed if you access by Secure Shell (SSH) or HTTP to the switch.

```
Switch# show version

MAC Address : cc-70-ed-d1-16-80
Previous Restart : Cold

System Contact :
System Name : Switch
System Location :
System Time : 2021-04-15T18:41:55+00:00
System Uptime : 00:05:31


Bootloader
----------
Image : RedBoot (bootloader)
Version : version 1_31-8c579cc
Date : 15:14:13, Jun 1 2016

Active Image
------------
Image : ie1000-universalk9-mz.SPA.1.6.bin (primary)
Version : 1.6#2017-04-05T23:06:27+00:00
Date : 2017-04-05T17:25:27+02:00
```

```
Upload filename : ie1000-universalk9-mz.SPA.1.6.bin

Backup Image
------------
Image : ie1000-universalk9-mz.SPA.1.7.0.bin (backup)
Version : 1.7.0#2018-05-02T18:19:37+00:00
Date : 2018-04-30T15:34:08+05:30
Upload filename : ie1000-universalk9-mz.SPA.1.7.0.bin

------------------
SID : 1
------------------
Chipset ID : VSC7428
Board Type : IE-1000-8P2S-LM
Port Count : 10
Product : Cisco IE1000 Switch
Software Version : 1.6#2017-04-05T23:06:27+00:00
Build Date : 2017-04-05T17:25:27+02:00
Code Revision : 510f5011c13892039fba9df91dda1ebf7e4fd752
```

Note: In order to see reflected the change on the Web User Interface (WebUI), close the session and clean cookies from your browser.

Switch Information

HostName : **Switch**

IP Address : **10.31.120.10**

MAC Address : **CC:70:ED:D1:16:80**

Product ID : **IE-1000-8P2S-LM**

CIP Revision : **1.001**

CIP Serial Number : **39D11680**

Serial Number : **DNI2309003Q**

Active Image : **ie1000-universalk9(1.6)**

Backup Image : **ie1000-universalk9(1.7.0)**

Contact :

Location :

Common Bugs

Identifier	Description
CSCvh19579	After type the Device IP in the browser, the Username/Password page comes. After enter the

details, it takes approximately 20 seconds to laun
the DM.