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## Introduction

This document describes the various solutions when you receive the "Manifest file not found in the bundle" error when Cisco Secure Access Control System (ACS) version 5.x is upgraded. All the known solutions are covered in this document.

## Prerequisites

### Requirements

Cisco recommends that you have basic knowledge of Cisco Secure ACS.

### Components Used

This document is not restricted to specific software or hardware versions of ACS 5.x.

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.

## Problem

The ACS upgrade or patch install fails as shown:

```
ACS-VM/admin# application upgrade ACS_5.5.0.46.0.tar.gz software_repository
Do you want to save the current configuration ? (yes/no) [yes] ? yes
Generating configuration...
Saved the running configuration to startup successfully
% Manifest file not found in the bundle
ACS-VM/admin#
```

## Solution 1 - Use the Correct Command

The correct command to install a cumulative patch in ACS with the CLI is:

```
acs patch install patch-name repository repository-name
```

If the command **patch install patch-name repository repository-name** is used, then the error is encountered. Therefore, ensure that the correct command is used to install the patch.

## Solution 2 - Corrupted Upgrade Bundle

A corrupted upgrade bundle or patch file results in the error.

Ensure that the file is downloaded properly and check the MD5 checksum of the file after download. In order to do this, use any MD5 application on the local machine and compare the output with the MD5 checksum present on the Cisco download page.

Applications such as MD5checker or WinMd5 can be used on Microsoft Windows machines in order to get the MD5 checksum. Mac OSX has a built-in MD5 checksum utility. Complete these steps in order to check the MD5 of the file:

1. Launch the Terminal application on your Mac.
2. Enter **md5 file-path** in order to compute the MD5 checksum of a file.

Hover the pointer over the upgrade bundle in order to display the MD5 checksum, as shown in this image:

The screenshot shows a table of release files for ACS 5.5.0.46. A modal window titled 'Details' is open over the row for 'ACS 5.5 Application Upgrade Package'. The details provided are:

Description:	ACS 5.5 Application Upgrade Package
Release:	5.5.0.46
Release Date:	25/Nov/2013
File Name:	ACS_5.5.0.46.tar.gz
Size:	1229.46 MB (1289181379 bytes)
MD5 Checksum:	e67039e88ad655a89c3399e02ef89c1e
SHA512 Checksum:	f71e3df569cc6bdc14d0fc31ac1f1e58...

Below the modal, the table row for 'ACS 5.5 Application Upgrade Package' is visible, showing the release date '25-NOV-2013' and size '1229.46 MB'. The file name 'ACS\_5.5.0.46.tar.gz' is also visible. Buttons for 'Download' and 'Add to cart' are present for this row.

If the MD5 checksums do not match, then download the file from cisco.com again. Ensure that you use an FTP repository in order to perform the upgrade. TFTP is UDP-based and is not reliable to transfer such huge files. When you place a file via FTP onto the FTP server, ensure that the file is transferred in binary mode as ASCII mode corrupts it.

## Solution 3 - Insufficient Space on the ACS

This error is also presented if there is insufficient space on the ACS hard disk drive (HDD). The application upgrade utilizes the storeddata partition. When the upgrade starts, the upgrade bundle is transferred to ACS and the ACS stores that file under storeddata. If storeddata does not have sufficient space in order to save the file or extract the file, then the error is presented.

In order to determine if the /storeddata partition has sufficient space, log in to the CLI of the ACS and then enter these commands:

1. **show tech-support** <enter>
2. **/df -h** <enter> (at the --More-- prompt)

The output is as shown:

```
ACS-VM/admin# sh tech

#####
Application Deployment Engine(ADE) - 2.1.1.136
Technical Support Debug Info follows...
#####
*****
Displaying startup-config...
*****
!
hostname ACS-VM
!
ip domain-name CISCOLAB.LOCAL
!
ipv6 enable
!

/df -h

...skipping
df -h output...
Filesystem                Size      Used Avail Use% Mounted on
/dev/mapper/smosvg-rootvol
                        7.7G    232M   7.1G   4% /
/dev/mapper/smosvg-altrootvol
                        1008M    34M   924M   4% /altroot
/dev/sda1                   99M     21M    74M  22% /boot
none                        2.0G      0   2.0G   0% /dev/shm
/dev/mapper/smosvg-home
                        1008M    34M   924M   4% /home
/dev/mapper/smosvg-localdiskvol
                        63G    234M    60G   1% /localdisk
/dev/mapper/smosvg-optvol
                        347G    49G   281G  15% /opt
/dev/mapper/smosvg-recvol
                        1008M    34M   924M   4% /recovery
/dev/sda3                    981M    18M   914M   2% /storedconfig
/dev/mapper/smosvg-storeddatavol
                        4.9G  3.0G  1.7G  65% /storeddata
/dev/mapper/smosvg-tmpvol
                        7.7G    52M   7.3G   1% /tmp
/dev/mapper/smosvg-usrvol
                        7.7G   646M   6.7G   9% /usr
/dev/mapper/smosvg-varvol
                        9.7G    97M   9.1G   2% /var
```

The available space in storeddata should be at least twice the size of the upgrade bundle. If not, then there is a strong possibility that the upgrade will fail.

In order to clear space in the storeddata partition, open a case with the Cisco Technical Assistance Center (TAC).

**Note:** Upgrades are supported only on virtual machines with at least 500 GB hard disk space as noted in the [Installation and Upgrade Guide for ACS 5.5](#).

The storedata partition is allocated a fixed percentage of the hard disk space. In smaller hard disks, the allocated space is smaller than twice the size of an average upgrade bundle and therefore such devices cannot be upgraded in this manner. You will instead need to reimage the server to the new version and restore a configuration backup from the old version. The supported upgrade paths to upgrade in this manner are mentioned in the upgrade guides for each ACS version.