

Unable to Open Video Redirection after Java Update to Version 8 Update 131 or Above in C880 v2/v3/v4

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Introduction

This document describes an issue accessing the console of the Cisco C800 M4 server models v2, v3 and v4. The Cisco C880 M4 is based on eight Intel® Xeon® E7-88xx series processors with max memory of up to 8TB. The rack server is part of the Cisco SAP HANA hardware portfolio.

It provides possible solutions to ensure the video redirection of the console from within the management board Web User Interface (UI) continues to work when you patch Java to the latest version.

Prerequisites

Requirements

There are no specific requirements for this document.

Components Used

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

- Cisco C880 M4 server (all CPU technologies (IvyBridge, Haswell, Broadwell))
- Java version 8 update 131 and above

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.

Problem

Video redirection function of C880 (Type - 1, 2, 3) cannot be started with a client PC which Java version 8 update 131 or later.

Cause for the authentication method of MD5-signed JAR file has been changed with Java 8 update 131. Because the video redirection function of the Cisco C880 M4 servers uses MD5 signature, the root cause for this problem is the Java modification introduced with this specific release.

Solution

1. Do not update to this version if you use the video redirection of the Cisco C880 M4 management board Web UI.

or

2. If you have already installed Java 8 update 131 or later, follow these steps:

Modify the Java related file on a PC (a reboot of the PC after you edit the file is not required):

Windows PC (*)

C:\Program Files\Java\jre1.8.0_131\lib\security\java.security

Linux client (*)

/usr/java/jre1.8.0_131/lib/security/java.security

(*) This example is in case of default installation path

Edit a line: 573 as shown and remove MD5

Before you edit:

jdk.jar.disabledAlgorithms=MD2, **MD5**, RSA keySize < 1024

After you edit:

jdk.jar.disabledAlgorithms=MD2, RSA keySize < 1024

Related Information

- Cisco Bug ID [CSCve49104](#)
- Java 8 update 131 release note: <http://www.oracle.com/technetwork/java/javase/8u131-relnotes-3565278.html>
- [Technical Support & Documentation - Cisco Systems](#)