

Patching S-CORE Against WannaCry Ransomware

User Guide

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1 INTRODUCTION

This document describes the procedure for patching S-CORE test equipment against the WannaCry ransomware attack.

1.1 Scope

This document is intended to be read by both Customer Services, and by customers who have any variant of an S-CORE test system.

The patching process described in this document should only be undertaken by engineers with experience of administrating Windows PCs.

2 PATCHING THE S-CORE TEST EQUIPMENT

2.1 Overview

S-CORE test equipment has demonstrated years of virus free operation. However, some of these systems are susceptible to the recently discovered weakness in the Windows Server Message Block 1 communication protocol, SMB1. Viruses such as WannaCry can infect these test systems.

If an S-CORE unit becomes infected with the WannaCry virus, it will continue to operate normally until it is rebooted. Upon reboot, the S-CORE unit will be non-operational and require the hard disk to be rebuilt.

To protect S-CORE test equipment from this virus and others, Keysight recommend installing a patch that disables the SMB1 protocol. The updated test system disables the SMB1 port and will be immune to viruses utilizing the weakness in the SMB1 protocol.

Note: There is no impact on the test system's functionality after the patch. The SMB1 protocol is not used by the S-CORE test equipment.

2.2 Procedure for patching S-CORE

The steps to patch S-CORE test equipment are:

1. Using a local PC that is connected to the internet, download the patch from Keysight Software Manager, available through [myKeysight](#). The patch name is:

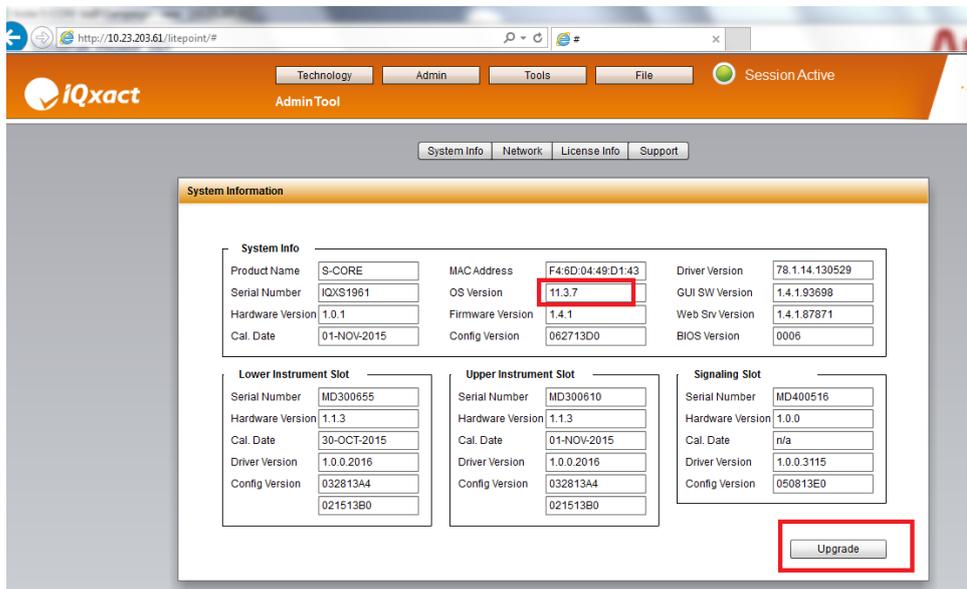
S-COREServiceSWPatch.zip

2. Copy the patch to a USB2 memory stick (Windows XP does not support USB3), and Virus check the memory stick to ensure it has not inadvertently become infected.
3. Ensure that there is no connection between the GUI PC or S-CORE Connect test equipment and the corporate network.
4. Insert the memory stick into the GUI PC connected to the S-CORE test equipment, unzip the patch and save it to the GUI PC.
5. Open a browser window on the GUI PC and enter the S-CORE IP Address:

10.23.203.xx

where **xx** is the last two digits of the S-CORE Connect serial number marked on the back panel.

6. Navigate to **Admin->Admin tool** and note the **OS version**:



7. Click the **Upgrade** button on the Admin Tool page to navigate to the **Instrument Upgrade** page:



8. Click the **Browse** button, and navigate to the **disable_smb1.exe** package. Select the package, and click **Start Install**.

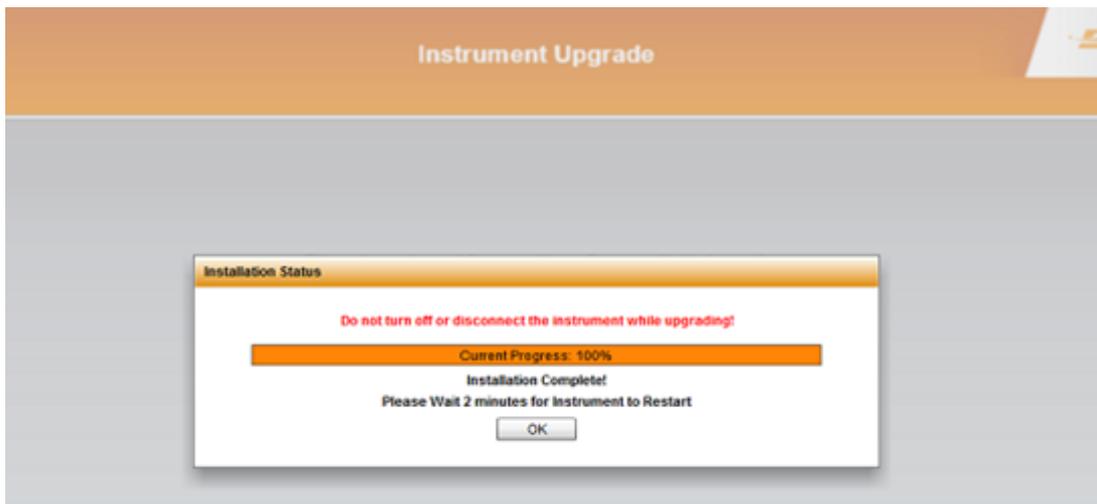


The installation takes a few seconds to complete, and on completion displays the message:

Installation Complete

The S-CORE unit will now reboot.

9. When the S-CORE unit has rebooted, click **OK**.



10. Once the S-CORE unit has finished booting up, on the GUI PC navigate to **Admin->Admin tool** and check that the **OS Version** now has a **W** suffix (for example 11.3.7W) added to the OS version (as shown below).

