

Patching Prosim F8/F32/FS8 Against WannaCry Ransomware

User Guide

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1 INTRODUCTION

This document describes the procedure for patching Prosim variants F8/F32/FS8 (hereafter referred to as "Prosim") against the WannaCry ransomware attack. It also describes the correct configuration of the test system to protect against future attacks.

1.1 Scope

This document is intended to be read by both Customer Services, and by customers who have any variant of Prosim units (such as F8 or F32 or FS8) in their test system.

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

2 PATCHING PROPSIM F8/F32/FS8:

2.1 Overview

The RF Channel Emulator Propsim runs with embedded Windows PC. Propsim has two different Windows versions in use - Windows XP and Windows 7 64-bit. These versions of Windows are vulnerable to viruses, malwares and ransomware such as the recent WannaCry Ransomware.

Microsoft has released security patches for numerous Windows versions which will block the vulnerability that is exploited by the WannaCry Ransomware and Keysight recommend that all Propsim units be patched immediately. For readers who are interested in the background, Microsoft have provided Customer Guidance for WannaCrypt Attacks [here](#).

2.2 Procedure for Patching Propsim

2.2.1 Prepare the Propsim unit before the actual patching operation:

1. Stop any emulations/test runs which are currently in progress within Propsim.
2. Disconnect Propsim unit from the test system.
3. Ensure that Propsim is disconnected from any/all networks for the duration of the patching activity.

2.2.2 Install Patch onto Propsim:

1. Before installing the patches, please check the Windows version from the device.
 - On the left-hand side navigation pane of Propsim GUI, open "System", then open Command Prompt.
 - Type in *winver* and a window will open, showing the Windows version in use.
2. Using a secured PC which is connected to the internet, download the corresponding patch to secured PC and copy the patch file to a USB stick. Do not use Propsim to download the patch. Virus check the memory stick to ensure it has not inadvertently become infected.
 - For Windows XP operating system, please download patch from: <https://www.microsoft.com/en-us/download/details.aspx?id=55245>
 - For Windows 7 operating system, please download patch from: http://download.windowsupdate.com/d/msdownload/update/software/secu/2017/02/windows6.1-kb4012212-x64_2decefaa02e2058dcd965702509a992d8c4e92b3.msu
3. Insert the memory stick to the USB hub of Propsim unit and open it using Windows File Explorer.
4. Run the patch by double clicking on the installer in the device and follow the installation instructions.
5. After the installation is completed a reboot is required.
6. It is highly recommended to install up-to-date 3rd party virus protection tool into the Propsim emulator and secure the network interface of the emulator (if used) with the firewall before using the emulator normally.

2.2.3 Check Propsim operation by reconnecting Propsim unit to the Test System:

1. After rebooting, reconnect the Propsim unit to the test system.
2. Confirm that the test system (including Propsim) is behaving correctly by running a few emulations with a device that has been previously known to pass those tests