

Cybersecurity Vulnerability Disclosure

Overview

Schneider Electric® has become aware of a vulnerability involving the StruxureWare SCADA Expert ClearSCADA software.

Vulnerability Overview

Some versions of SCADA Expert ClearSCADA incorrectly handle web requests which causes the ClearSCADA server to throw an exception.

Product(s) Affected

The followings software versions are affected by the SCADA Expert ClearSCADA Web Request Server Crash vulnerability:

- | | |
|--------------------------------------|------------------------|
| • SCADA Expert ClearSCADA 2013 R1 | Released December 2012 |
| • SCADA Expert ClearSCADA 2013 R1.1 | Released March 2013 |
| • SCADA Expert ClearSCADA 2013 R1.1a | Released June 2013 |

Vulnerability Details

SCADA Expert ClearSCADA versions 2013 R1, 2013 R1.1 and 2013 R1.1a incorrectly handle web requests which causes the ClearSCADA server to throw an exception. This exception will affect only the individual ClearSCADA server machine on which it occurred. ClearSCADA machines configured in a redundant arrangement will be able to take-over and continue system operation. There is no evidence that this vulnerability has been exploited in a production environment.

Mitigation

Schneider Electric takes these vulnerabilities very seriously and we have devoted resources to immediately investigate and address these issues. We believe it is critical to consider the whole picture, including safety, security and reliability. Any patches/solutions/mitigations we release will be carefully tested to ensure that they can be deployed in a manner that is both safe and secure.

Cybersecurity Vulnerability Disclosure

General instructions on how to upgrade your ClearSCADA license are available here:

<http://resourcecenter.controlmicrosystems.com/display/CS/Updating+Your+ClearSCADA+License>

Detailed instructions on how to upgrade a ClearSCADA installation are available here:

<http://resourcecenter.controlmicrosystems.com/display/CS/SCADA+Expert+ClearSCADA+2013+R1.2+Upgrade+Strategy>

General Recommendations

Schneider Electric has been designing industrial automation products for many years; Schneider Electric follows, and recommends to its customers, industry best practices in the development and implementation of control systems. This recommendation includes a Defense in Depth approach to secure an Industrial Control System.

Download our cybersecurity whitepaper from www.schneider-electric.com. See Support > Cybersecurity

Schneider Electric advises all ClearSCADA users to take steps to secure the interfaces to the ClearSCADA system. The following guidelines should be taken as a starting point only in establishing an appropriate level of system security:

- Limit access to the server and server network to only trusted users.
- Upgrade the ClearSCADA server to ClearSCADA 2013 R1.2 or newer.

Acknowledgments

Schneider Electric wishes to thank researcher Automation Solutions Inc. for reporting of the vulnerability and working with Schneider Electric during the disclosure process.

Support CVSS Scoring

CVSS scores are a standard way of ranking vulnerabilities and are provided for reference based on a typical control system they should be adapted by individual users as required.

The vector is (AV:N/AC:L/Au:N/C:N/I:C/A:C)

CVSS Base Score: 9.4

For More Information

This document is intended to help provide an overview of the identified vulnerability and actions required to mitigate it. To obtain full details on the issues and assistance on how to protect your installation, please contact your local Schneider Electric representative. These organizations will be fully aware of the situation and can support you through the process.

Cybersecurity Vulnerability Disclosure

For further information on vulnerabilities in Schneider Electric's products, please visit Schneider Electric's cybersecurity web page at <http://www2.schneider-electric.com/sites/corporate/en/support/cybersecurity/cybersecurity.page>

About Schneider Electric

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