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FIELD SERVICE BULLETIN

FSB #: 098-50620-034

DATE: March 2nd 2010

System: SyncServer S3xx Series Network Time Servers

Product Identity: NTP Servers

Product Code: Description: CLEI Code: N/A

1520R-S300	SyncServer S300
1520R-S300-RB	SyncServer S300 with Rubidium Oscillator
1520R-S300-DC	SyncServer S300 & 40-60 VDC Power Supply
1520R-S300-RB-DC	SyncServer S300 & RB Oscillator & 40-60 VDC Power Supply
1520R-S350	SyncServer S350
1520R-S350-RB	SyncServer S350 with Rubidium Oscillator
1520R-S350-DC	SyncServer S350 & 40-60 VDC Power Supply
1520R-S350-RB-DC	SyncServer S350 & RB Oscillator & 40-60 VDC Power Supply

NOTE: Find a copy of this FSB in Support section of our website at www.symmetricom.com

Classification: National Vulnerability Database #CVE-2009-1252
US-CERT VU#853097

Summary: When OpenSSL and NTP Autokey are enabled, allows remote attackers to execute arbitrary code via a crafted packet containing an extension field.

Description: The NTP daemon contains a stack buffer overflow when it is compiled with OpenSSL support. The vulnerability is caused by the use of `sprintf()` in the `crypto_recv()` function in `ntpd/ntp_crypto.c`.

The vulnerable code is reachable if `ntpd` is configured to use Autokey. This vulnerable configuration is indicated by a `crypto pw password` line in the `ntp.conf` file, where `password` is the password that has been configured.

Recommended Action: Recommend against using the NTP Autokey features, and instead use the MD5 Security Features.

Permanent Solution: Symmetricom plans to release version 2.50 for the S3xx SyncServers that will eliminate this vulnerability. Upon the release of the software upgrade Symmetricom will issue a Product Change Notice (PCN). PCN's are available at: www.symmetricom.com.

In addition to the PCN, all SyncServers with Port 80 access to the Internet, and Update Notification enabled in the SyncServer will notify users of update availability, via email, SNMP trap, log file entry, and/or LED depending on user settings.

Contact Information:

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