

# Hotfix Note

## RealPresence Collaboration Server (RMX)

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**Released file:** RMX\_8.3.0.245.bin

**Affected version:** 8.3

**Release date:** April 22, 2014

### Purpose

RMX\_8.3.0.245.bin addresses the vulnerability in OpenSSL that could allow a remote attacker to expose sensitive data, possibly including user authentication credentials and secret keys, through incorrect memory handling in the TLS heartbeat extension.

For a full description see [US – CERT, Alert \(TA14-098A\)](https://www.us-cert.gov/ncas/alerts/TA14-098A) at <https://www.us-cert.gov/ncas/alerts/TA14-098A>

### Prerequisites and Configuration Considerations

Install RMX\_8.3.0.245.bin only on RealPresence Collaboration Servers (RMX) with v8.3 installed.

### Functionality Affected

RMX\_8.3.0.245.bin was built by compiling the OpenSSL module with OpenSSL flag OPENSSL\_NO\_HEARTBEATS which disables the TLS heartbeat extension mechanism.

There is no further system functionality impact.

### Installation Notes

Upgrade and installation are as described in the *RealPresence Collaboration Server RMX 1500 / 1800 / 2000 / 4000 Release Notes* for Version 8.3 and Version 8.3.Incremental.

### Rollback Considerations

Downgrade procedures to a version prior to v8.3.0.245 are as described in the *RealPresence Collaboration Server RMX 1500 / 1800 / 2000 / 4000 Release Notes* for Version 8.3 and Version 8.3.Incremental.

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## Resolved Issues

RMX\_8.3.0.245.bin addresses the following issue.

Issue #	Description
CVE-2014-0160	The (1) TLS and (2) DTLS implementations in OpenSSL 1.0.1 before 1.0.1g do not properly handle Heartbeat Extension packets, which allows remote attackers to obtain sensitive information from process memory via crafted packets that trigger a buffer over-read, as demonstrated by reading private keys, related to d1_both.c and t1_lib.c, aka the Heartbleed bug. For more information see <a href="http://cve.mitre.org/cgi-bin/cvename.cgi?name=CVE-2014-0160">http://cve.mitre.org/cgi-bin/cvename.cgi?name=CVE-2014-0160</a> .