Firmware for EDS-518E Series Release Notes

Version: v6.2    Build: N/A
Release Date: Sep 15, 2021

Applicable Products
N/A

Supported Operating Systems
N/A

New Features
- Supports Interface Tracking, Ping Tracking, and Logic Tracking.
- Supports many-to-many port mirroring.

Enhancements
- The CPU utilization now displays a percentage instead of "Normal" and "Busy".
- Firmware upgrade processing status is displayed.
- Email addresses can contain up to 39 characters.
- Email Mail Servers can contain up to 39 characters.
- Improved random distribution of TCP Initial Sequence Number (ISN) values.
- [MSRV-2017-002][CVE-2019-6563] Predictable Session ID: Supports random salt to prevent session prediction attack of HTTP/HTTPS.
- [MSRV-2017-003][CVE-2019-6526] Encryption of sensitive data is missing: Supports encrypted Moxa service with enable/disable button on the GUI to support the communication of encrypted commands with MXconfig/MXview.
- [MSRV-2017-004][CVE-2019-6524] Improper restriction of excessive authentication attempts: Supports encrypted Moxa service with enable/disable button on the GUI to support the communication of encrypted commands with MXconfig/MXview.
- [MSRV-2017-005][CVE-2019-6559] Resource exhaustion: Supports encrypted Moxa service with enable/disable button on the GUI to support the communication of encrypted commands with MXconfig/MXview.
- The device would restart due to memory leak during the Nmap (a freeware that can scan the available ports) scanning test.
- RSTP Port Status error with Modbus TCP.
- Trunk port was not shown correctly in the LLDP table.
- The head switch of Turbo Chain was blocked when connecting to a Cisco switch.
- SNMP v3 memory leak.
- The device rebooted when performing a Nessus basic scan.
- MAC authentication bypass with RADIUS re-authentication.
- When SNMP pooled every 10 seconds, the system would perform a cold start after 25 minutes.
- The LLDP Table hung up in a serial console.
- Packet flooding from MGMT VLAN to redundancy port PVID VLAN.
- CERT could not be imported.
- Error with Turbo Ring v2 and port trunk LLDP display, recovery time and log miswrite.
- Relay warning did not work properly after the system rebooted.
- RSTP was not activated correctly through the configuration file import.
- Incorrect value for IGMP Query Interval on the exported configuration file.
• Logging into the web console failed if authentication with local RADIUS and account lockout were both enabled at the same time.
• Turbo Ring v2 looped when too many slaves in the ring were powered on at the same time.
• Switch automatically performed a cold start when receiving specific SNMPv3 packets.
• [CRM #200811300717] If a username had a capitalized letter then the user would not be able to log in using Menu mode.
• [CRM #190726273178] Unauthorized 802.1x devices could receive multicast and broadcast packets.
• [CRM #210115312454] Trap Server Host Name cannot be set via web GUI.
• [CRM #201019305310] Incorrect SNMPV3 msgAuthoritativeEngineBoots behavior that the value will not count up after switch reboot.
• [CRM #200702298391] The relay trigger function by port traffic overload does not work.

Changes
• The IEEE 802.1x traffic enablement method has changed from MAC-based to port-based.
• The length of the 802.1x username is increased from 32 bytes to 64 bytes.

Notes
• MSRV is Moxa's internal security vulnerability tracking ID.
**Applicable Products**
EDS-518E Series

**Supported Operating Systems**
N/A

**New Features**
N/A

**Enhancements**

**Bugs Fixed**
- Login issue with Chrome v65.
- The system rebooted when SNMP GET with request ID=0.
- System rebooted after SSH disconnected.
- Incorrect CPU loading was displayed.
- System rebooted when CLI "no logging" was executed.
- [MSRV-2017-009][CVE-2019-6565] No proper validation of user inputs, which allowed users to perform XSS attacks.
- [MSRV-2017-011][CVE-2019-6561] CSRF attacks were possible if browser cookie parameters were not correct.

**Changes**
N/A

**Notes**
- MSRV is Moxa’s internal security vulnerability tracking ID.
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**Applicable Products**
N/A

**Supported Operating Systems**
N/A

**New Features**
N/A

**Enhancements**
N/A

**Bugs Fixed**
- Fixed the issue regarding obtaining information about RTSP port state errors through Modbus/TCP
- Fixed the issue that caused Loop prevent to not work when RSTP is enabled
- Fixing GUI display issue on Chrome version later than version 65.

**Changes**
- Support new flash and ensure it is backward compatible with the old flash
  (Note: Hardware versions later than 2.0.0 only support firmware version 6.0 or later)

**Notes**
N/A
Applicable Products

New Features
- System Notification: Definable Successful/Failed Login notification.
- Password Policy: Password Strength can be set.
- Account Lockout Policy: Failure Threshold and Lockout Time can be set.
- Log Management: Full Log Handling.
- Remote Access Interface Enable/Disable.
- Configuration encryption with password.
- Supports SSL Certification Import.
- Supports MAC Authentication Bypass via RADIUS Authentication.
- MAC Address Access Control List or MAC Address Filtering.
- Protects against MAC Flooding Attack by MAC Address Sticky.
- NTP Authentication to prevent NTP DDoS Attack.
- Login Authentication: Support Primary & Backup Database Servers (RADIUS / TACACS+ / Local Account).
- RADIUS Authentication: Support EAP-MSCHAPv2 (For Windows7).
- MXview Security View Feature Support* (with MXstudio v2.4).
- Turbo Ring v1/v2, Turbo Chain Support Port Trunking.
- Layer2 V-On support.

Enhancements
- CLI: Supports multiple sessions (up to six).
- SNMPv3 Traps and Informs.
- Fixed Display Issue with Java Applet.
- Fiber Check: Add Threshold Alarm.
- Static Port Lock with IVL Mode.
- Serial Number: 12 Digital S/N Display.
- When GbE Port Speed is [Auto], MDI/MDIX is [Auto] Fixed.
- Web UI/CLI Command Enhancement and Modification.

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Bugs Fixed
- Drown Attack.
- ICS-VU-951212 Vulnerabilities.
- Nessus Vulnerability.

Changes
N/A

Notes
N/A
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**Applicable Products**

**Supported Operating Systems**
N/A

**New Features**
- New release for the EDS-518E Series.

**Enhancements**
N/A

**Bugs Fixed**
N/A

**Changes**
N/A

**Notes**
N/A