Firmware for EDS-528E Series Release Notes

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<th>Version: v6.2</th>
<th>Build: 21072216</th>
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<td>Release Date: Sep 15, 2021</td>
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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.

bugs fixed

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Build: 21072216
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N/A

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• 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.
• Enhanced SSH with secure key exchange algorithm, Diffie-Hellman Group 14.
• 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.
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• 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-528E 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 when CLI "no logging" was executed.
- [MSRV-2017-006][CVE-2019-6557] Buffer overflow vulnerabilities that may have allowed remote control.
- [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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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

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
EDS-528E Series

Supported Operating Systems
N/A

New Features
• New release for the EDS-528E-LV Series.

Enhancements
N/A

Bugs Fixed
N/A

Changes
N/A

Notes
N/A