

Syslog messages from M580 CPU

General Event Description	Additional description	Syslog message structure: Timestamp, Facility, Severity, Hostname, AppName, Procid, MsgID, MessageType (Type, AppMessage...)							Syslog messages examples from Syslog server	
		Facility	Severity (1)	Hostname	App-name	MSGID	Type	AppMessage		
Successful connection to or from a tool or device: - Successful login For example: data storage via FTP, Unity Pro application password via Modbus, firmware upload via FTP, FDR ... - Successful user login to a tool. For example: Unity Pro security editor. - Successful TCP connection (no user). For example: Port502 Modbus TCP/IP explicit messaging for M580 CPU.	Successful TCP connection (no user)	10	Emergency	192.168.11.1	Hardware ID	Modbus @cee		1	Successful Connection	27/02/2020 17:02,Emergency,192.168.11.1,BMEH586040,NILVALUE Modbus @cee: { "issuerAddr": "192.168.11.1", "peerId": "(null)", "peerAddr": "192.168.11.8", "type": "1", "appMsg": "Successful Connection", "repNb": "0", "repLastTime": "(null)" }
	Successful login (Unity Application password via Modbus-Umas)	10	Emergency	192.168.11.1	Hardware ID	DEVICE MANAGER @cee		1	Successful login	27/02/2020 16:17,Emergency,192.168.11.1,BMEH586040,NILVALUE DEVICE MANAGER @cee: { "issuerAddr": "192.168.11.1", "peerId": "(null)", "peerAddr": "(null)", "type": "1", "appMsg": "Successful login", "repNb": "0", "repLastTime": "(null)" }
	Successful login (Data Storage via FTP, FDR Server via FTP, Firmware upload via FTP)	10	Emergency	192.168.11.1	Hardware ID	FTP @cee		1	Successful login	27/02/2020 16:17,Emergency,192.168.11.1,BMEH586040,NILVALUE FTP @cee: { "issuerAddr": "192.168.11.1", "peerId": "(null)", "peerAddr": "192.168.4.80", "type": "1", "appMsg": "Successful login", "repNb": "0", "repLastTime": "(null)" }
Failed connection from a tool or device: - Failed connection due to access control list (ACL) check (source IP address / TCP port filtering). - Failed login (with ACL check correct). For example: data storage via FTP, Unity Pro application via Modbus, FDR server via FTP... - Failed user login to a software tool. For example: Unity Pro. - Failed TCP connection (no user). For example: Port502 Modbus TCP/IP explicit messaging for M580 CPU.	Failed TCP connection (no user)	10	Emergency	192.168.11.1	Hardware ID	Modbus @cee		2	Failed Connection	27/02/2020 17:02,Emergency,192.168.11.1,BMEH586040,NILVALUE Modbus @cee: { "issuerAddr": "192.168.11.1", "peerId": "(null)", "peerAddr": "192.168.11.8", "type": "2", "appMsg": "Failed Connection", "repNb": "0", "repLastTime": "(null)" }
	Failed login (Data Storage via FTP, FDR Server via FTP, Firmware upload via FTP)	10	Emergency	192.168.11.1	Hardware ID	FTP @cee		2	Failed login	27/02/2020 17:02,Emergency,192.168.11.1,BMEH586040,NILVALUE FTP @cee: { "issuerAddr": "192.168.11.1", "peerId": "(null)", "peerAddr": "192.168.4.80", "type": "2", "appMsg": "Failed login", "repNb": "0", "repLastTime": "(null)" }
	Connection denied : Modbus uncheck in ACL	10	Emergency	192.168.11.1	Hardware ID	Security @cee		2	Modbus connection denied	27/02/2020 17:02,Emergency,192.168.11.1,BMEH586040,NILVALUE Security @cee: { "issuerAddr": "192.168.11.1", "peerId": "(null)", "peerAddr": "192.168.4.150", "type": "2", "appMsg": "Modbus connection denied", "repNb": "0", "repLastTime": "(null)" }
	Connection denied : EIP uncheck in ACL	10	Emergency	192.168.11.1	Hardware ID	Security @cee		2	Ethernet/IP Adapter connection denied	27/02/2020 17:02,Emergency,192.168.11.1,BMEH586040,NILVALUE Security @cee: { "issuerAddr": "192.168.11.1", "peerId": "(null)", "peerAddr": "192.168.4.80", "type": "2", "appMsg": "Ethernet/IP Adapter connection denied from 192.168.4.80", "repNb": "0", "repLastTime": "(null)" }
Disconnection triggered by local or peer: - On demand logout - HTTP, FTP - If no logout, disconnection triggered by local or peer (TCP Close/Reset)	Disconnection triggered by either the peer/user/local	10	Emergency	192.168.11.1	Hardware ID	Modbus @cee		5	Disconnection	27/02/2020 16:57,Emergency,192.168.11.1,BMEH586040,NILVALUE Modbus @cee: { "issuerAddr": "192.168.11.1", "peerId": "(null)", "peerAddr": "192.168.11.8", "type": "5", "appMsg": "Disconnection", "repNb": "0", "repLastTime": "(null)" }
Communication parameters run time change outside configuration: - Communication services enabled or disabled (FTP, TFTP, HTTP, function block in M580 PAC device)	HTTP Enabled		Info	192.168.11.1	Hardware ID	HTTP @cee		7	HTTP Enabled	27/02/2020 16:54,Info,192.168.11.1,BMEH586040,NILVALUE HTTP @cee: { "issuerAddr": "192.168.11.1", "peerId": "(null)", "peerAddr": "(null)", "type": "7", "appMsg": "HTTP Enabled", "repNb": "0", "repLastTime": "(null)" }
	TFTP Enabled		Info	192.168.11.1	Hardware ID	TFTP @cee		7	TFTP Enabled	27/02/2020 17:02,Info,192.168.11.1,BMEH586040,NILVALUE TFTP @cee: { "issuerAddr": "192.168.11.1", "peerId": "(null)", "peerAddr": "(null)", "type": "7", "appMsg": "TFTP Enabled", "repNb": "0", "repLastTime": "(null)" }
	DHCP Enabled		Info	192.168.11.1	Hardware ID	DHCP @cee		7	DHCP Enabled	27/02/2020 17:02,Info,192.168.11.1,BMEH586040,NILVALUE DHCP @cee: { "issuerAddr": "192.168.11.1", "peerId": "(null)", "peerAddr": "(null)", "type": "7", "appMsg": "DHCP Enabled", "repNb": "0", "repLastTime": "(null)" }
	FTP Enabled		Info	192.168.11.1	Hardware ID	FTP @cee		7	FTP Enabled	27/02/2020 16:56,Info,192.168.11.1,BMEH586040,NILVALUE FTP @cee: { "issuerAddr": "192.168.11.1", "peerId": "(null)", "peerAddr": "(null)", "type": "7", "appMsg": "FTP Enabled", "repNb": "0", "repLastTime": "(null)" }
	HTTP Disabled		Info	192.168.11.1	Hardware ID	HTTP @cee		7	HTTP Disabled	27/02/2020 16:53,Info,192.168.11.1,BMEH586040,NILVALUE HTTP @cee: { "issuerAddr": "192.168.11.1", "peerId": "(null)", "peerAddr": "(null)", "type": "7", "appMsg": "HTTP Disabled", "repNb": "0", "repLastTime": "(null)" }
	DHCP Disabled		Info	192.168.11.1	Hardware ID	DHCP @cee		7	DHCP Disabled	27/02/2020 16:57,Info,192.168.11.1,BMEH586040,NILVALUE DHCP @cee: { "issuerAddr": "192.168.11.1", "peerId": "(null)", "peerAddr": "(null)", "type": "7", "appMsg": "DHCP Disabled", "repNb": "0", "repLastTime": "(null)" }
	TFTP Disabled		Info	192.168.11.1	Hardware ID	TFTP @cee		7	TFTP Disabled	27/02/2020 16:57,Info,192.168.11.1,BMEH586040,NILVALUE TFTP @cee: { "issuerAddr": "192.168.11.1", "peerId": "(null)", "peerAddr": "(null)", "type": "7", "appMsg": "TFTP Disabled", "repNb": "0", "repLastTime": "(null)" }
Configuration Communication Parameters	Configuration Communication Parameters		Info	192.168.11.1	Hardware ID	Configuration @cee		7	Configuration Communication Parameters	27/02/2020 16:49,Info,192.168.11.1,BMEH586040,NILVALUE Configuration @cee: { "issuerAddr": "192.168.11.1", "peerId": "(null)", "peerAddr": "(null)", "type": "7", "appMsg": "Configuration Communication Parameters", "repNb": "0", "repLastTime": "(null)" }
Major Changes in the system: Application or Configuration download from the device	Application download	13	Emergency	192.168.11.1	Hardware ID	Modbus @cee		8	Application download	27/02/2020 16:48,Emergency,192.168.11.1,BMEH586040,NILVALUE Modbus @cee: { "issuerAddr": "192.168.11.1", "peerId": "(null)", "peerAddr": "(null)", "type": "8", "appMsg": "Application download", "repNb": "0", "repLastTime": "(null)" }
Major Changes in the system: - Upload of Application/Configuration or Configuration only into the device (including CCOTF)	Application upload	13	Emergency	192.168.11.1	Hardware ID	Modbus @cee		9	Application upload	27/02/2020 16:49,Emergency,192.168.11.1,BMEH586040,NILVALUE Modbus @cee: { "issuerAddr": "192.168.11.1", "peerId": "(null)", "peerAddr": "(null)", "type": "9", "appMsg": "Application upload", "repNb": "0", "repLastTime": "(null)" }
Major changes in the system: - Firmware upload.	Upload of a new firmware in the device	13	Emergency	192.168.11.1	Hardware ID	FTP @cee		10	Firmware upload	27/02/2020 17:50,Emergency,192.168.11.1,BMEH586040,NILVALUE FTP @cee: { "issuerAddr": "192.168.11.1", "peerId": "(null)", "peerAddr": "(null)", "type": "10", "appMsg": "Firmware upload", "repNb": "0", "repLastTime": "(null)" }
Major changes in the system: - Restart after RESET	PLC restart	13	Emergency	192.168.11.1	Hardware ID	DEVICE MANAGER @cee		17	Restart	27/02/2020 17:50,Emergency,192.168.11.1,BMEH586040,NILVALUE DEVICE MANAGER @cee: { "issuerAddr": "192.168.11.1", "peerId": "(null)", "peerAddr": "(null)", "type": "17", "appMsg": "Restart", "repNb": "0", "repLastTime": "(null)" }
Embedded switch port status change: Port link up, port link down. "ETHx Link Up" text "ETHx Link Down" text x = port number	Plug/Unplug cable	10	Info	192.168.11.1	Hardware ID	ETH @cee		16	ETH3 Link Down	27/02/2020 17:50,Info,192.168.11.1,BMEH586040,NILVALUE ETH @cee: { "issuerAddr": "192.168.11.1", "peerId": "(null)", "peerAddr": "(null)", "type": "19", "appMsg": "ETH3 Link Down", "repNb": "0", "repLastTime": "(null)" }
Topology changes detected: - From RSTP: port role change or root change "ETHx Disable" text "ETHx Forward" text "ETHx Learning" text "ETHx Blocking" text x = port number (1-4)	Topology changed detected	10	Emergency	192.168.11.1	Hardware ID	RSTP @cee		17	ETH2 Forward	27/02/2020 17:50,Emergency,192.168.11.1,BMEH586040,NILVALUE RSTP @cee: { "issuerAddr": "192.168.11.1", "peerId": "(null)", "peerAddr": "(null)", "type": "20", "appMsg": "ETH2 Forward", "repNb": "0", "repLastTime": "(null)" }
	Topology changed detected	10	Emergency	192.168.11.1	Hardware ID	RSTP @cee		17	ETH2 Learning	27/02/2020 17:50,Emergency,192.168.11.1,BMEH586040,NILVALUE RSTP @cee: { "issuerAddr": "192.168.11.1", "peerId": "(null)", "peerAddr": "(null)", "type": "20", "appMsg": "ETH2 Learning", "repNb": "0", "repLastTime": "(null)" }
	Topology changed detected	10	Emergency	192.168.11.1	Hardware ID	RSTP @cee		17	ETH2 Blocking	27/02/2020 17:50,Emergency,192.168.11.1,BMEH586040,NILVALUE RSTP @cee: { "issuerAddr": "192.168.11.1", "peerId": "(null)", "peerAddr": "(null)", "type": "20", "appMsg": "ETH2 Blocking", "repNb": "0", "repLastTime": "(null)" }
	Topology changed detected	10	Emergency	192.168.11.1	Hardware ID	RSTP @cee		17	ETH2 Disable	27/02/2020 17:50,Emergency,192.168.11.1,BMEH586040,NILVALUE RSTP @cee: { "issuerAddr": "192.168.11.1", "peerId": "(null)", "peerAddr": "(null)", "type": "20", "appMsg": "ETH2 Disabled", "repNb": "0", "repLastTime": "(null)" }
	Topology changed detected	10	Emergency	192.168.11.1	Hardware ID	RSTP @cee		17	Topology Change Detected	27/02/2020 17:50,Emergency,192.168.11.1,BMEH586040,NILVALUE RSTP @cee: { "issuerAddr": "192.168.11.1", "peerId": "(null)", "peerAddr": "(null)", "type": "20", "appMsg": "Topology Change Detected", "repNb": "0", "repLastTime": "(null)" }
Major changes in the system: - Program operating mode change (run, stop, ...)	STOP to RUN PLC	13	Notice	192.168.11.1	Hardware ID	DEVICE MANAGER @cee		85	PLC state: STOP to RUN	27/02/2020 16:50,Notice,192.168.11.1,BMEH586040,NILVALUE DEVICE MANAGER @cee: { "issuerAddr": "192.168.11.1", "peerId": "(null)", "peerAddr": "(null)", "type": "85", "appMsg": "PLC state: STOP to RUN", "repNb": "0", "repLastTime": "(null)" }
	Init PLC	13	Notice	192.168.11.1	Hardware ID	DEVICE MANAGER @cee		85	PLC INIT	27/02/2020 16:49,Notice,192.168.11.1,BMEH586040,NILVALUE DEVICE MANAGER @cee: { "issuerAddr": "192.168.11.1", "peerId": "(null)", "peerAddr": "(null)", "type": "85", "appMsg": "PLC INIT", "repNb": "0", "repLastTime": "(null)" }
	RUN to STOP PLC	13	Notice	192.168.11.1	Hardware ID	DEVICE MANAGER @cee		85	PLC state: RUN to STOP	27/02/2020 16:49,Notice,192.168.11.1,BMEH586040,NILVALUE DEVICE MANAGER @cee: { "issuerAddr": "192.168.11.1", "peerId": "(null)", "peerAddr": "(null)", "type": "85", "appMsg": "PLC state: RUN to STOP", "repNb": "0", "repLastTime": "(null)" }

(1) NOTE: The terms severity, Emergency, Alert, Critical, Error, Warning, Notice, Informational, Debug are used in this table as attributes of syslog event messages and as defined in RFC 5424 specification of the Internet Engineering Task Force (IETF).