

Syslog messages from BMENOC03x1									
General Event Description	Additional description	Syslog message structure: Timestamp, Facility, Severity, Hostname, AppName, Procid, MsgID, MessageText (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. <i>AppMessage :</i> <i>"x: Successful Connection" text</i> <i>x = "A" or "B" to identify the Rack</i>	EIP connection to EIP device	10	Info	172.168.12.1	Hardware ID	MODBUS @cee	1	Successful Connection	27/02/2020 16:49,Info,172.168.12.1,csbrick,NILVALUE MODBUS @cee: { ""issuerAddr":"","172.168.12.1","peerId":"","(null)","peerAddr":"","172.168.4.80","type":"","5","appMsg":"","A: Successful Connection","repNb":"","0","repLastTime":"","(null)"}
Disconnection triggered locally or by a peer: - On logout request (FTP). <i>AppMessage :</i> <i>"x: y z Connection denied" text</i> <i>x = "A" or "B" to identify the Rack</i> <i>y = denied IP</i> <i>z (service) = "EIP", "FTP", "MODBUS", "SNMP", "SECURITY", "TFTP", "HTTP/HTTPS"</i>	MODBUS Connection denied	10	Emergency	172.168.12.1	Hardware ID	MODBUS @cee	5	MODBUS Connection denied	27/02/2020 16:49,Emergency,172.168.12.1,csbrick,NILVALUE MODBUS @cee: { ""issuerAddr":"","172.168.12.1","peerId":"","(null)","peerAddr":"","172.168.4.80","type":"","5","appMsg":"","A: 172.168.4.80 MODBUS Connection denied","repNb":"","0","repLastTime":"","(null)"}
	EIP Connection denied	10	Emergency	172.168.12.1	Hardware ID	EIP @cee	5	EIP Connection denied	27/02/2020 16:49,Emergency,172.168.12.1,csbrick,NILVALUE EIP @cee: { ""issuerAddr":"","172.168.12.1","peerId":"","(null)","peerAddr":"","172.168.4.80","type":"","5","appMsg":"","A: 172.168.4.80 EIP Connection denied","repNb":"","0","repLastTime":"","(null)"}
	SNMP Connection denied	10	Emergency	172.168.12.1	Hardware ID	SNMP @cee	5	SNMP Connection denied	27/02/2020 16:49,Emergency,172.168.12.1,csbrick,NILVALUE SNMP @cee: { ""issuerAddr":"","172.168.12.1","peerId":"","(null)","peerAddr":"","172.168.4.80","type":"","5","appMsg":"","A: 172.168.4.80 SNMP Connection denied","repNb":"","0","repLastTime":"","(null)"}
	HTTP Connection denied	10	Emergency	172.168.12.1	Hardware ID	HTTP @cee	5	HTTP Connection denied	27/02/2020 16:49,Emergency,172.168.12.1,csbrick,NILVALUE HTTP @cee: { ""issuerAddr":"","172.168.12.1","peerId":"","(null)","peerAddr":"","172.168.4.80","type":"","5","appMsg":"","A: 172.168.4.80 HTTP Connection denied","repNb":"","0","repLastTime":"","(null)"}
	FTP Connection denied	10	Emergency	172.168.12.1	Hardware ID	FTP @cee	5	FTP Connection denied	27/02/2020 16:49,Emergency,172.168.12.1,csbrick,NILVALUE FTP @cee: { ""issuerAddr":"","172.168.12.1","peerId":"","(null)","peerAddr":"","172.168.4.80","type":"","5","appMsg":"","A: 172.168.4.80 FTP Connection denied","repNb":"","0","repLastTime":"","(null)"}
	TFTP Connection denied	10	Emergency	172.168.12.1	Hardware ID	TFTP @cee	5	TFTP Connection denied	27/02/2020 16:49,Emergency,172.168.12.1,csbrick,NILVALUE TFTP @cee: { ""issuerAddr":"","172.168.12.1","peerId":"","(null)","peerAddr":"","172.168.4.80","type":"","5","appMsg":"","A: 172.168.4.80 TFTP Connection denied","repNb":"","0","repLastTime":"","(null)"}
	DHCP Connection denied	10	Emergency	172.168.12.1	Hardware ID	DHCP @cee	5	DHCP Connection denied	27/02/2020 16:49,Emergency,172.168.12.1,csbrick,NILVALUE DHCP @cee: { ""issuerAddr":"","172.168.12.1","peerId":"","(null)","peerAddr":"","172.168.4.80","type":"","5","appMsg":"","A: 172.168.4.80 DHCP Connection denied","repNb":"","0","repLastTime":"","(null)"}
Services enabled or disabled <i>AppMessage :</i> <i>"x: y Enabled" text</i> <i>"x: y Disabled" text</i> <i>x = "A" or "B" to identify the Rack</i> <i>y (service) = "EIP", "DHCP", "FTP", "MODBUS", "RSTP", "SNMP", "SECURITY", "TFTP", "HTTP/HTTPS"</i>	HTTP/HTTPS Enabled		Info	172.168.12.1	Hardware ID	HTTP @cee	7	HTTP/HTTPS Enabled	27/02/2020 16:49,Info,172.168.12.1,csbrick,NILVALUE HTTP @cee: { ""issuerAddr":"","172.168.12.1","peerId":"","(null)","peerAddr":"","172.168.12.1","type":"","7","appMsg":"","A: HTTP/HTTPS Enabled","repNb":"","0","repLastTime":"","(null)"}
	TFTP Enabled		Info	172.168.12.1	Hardware ID	TFTP @cee	7	TFTP Enabled	27/02/2020 16:49,Info,172.168.12.1,csbrick,NILVALUE TFTP @cee: { ""issuerAddr":"","172.168.12.1","peerId":"","(null)","peerAddr":"","172.168.12.1","type":"","7","appMsg":"","A: TFTP Enabled","repNb":"","0","repLastTime":"","(null)"}
	DHCP Enabled		Info	172.168.12.1	Hardware ID	DHCP @cee	7	DHCP Enabled	27/02/2020 16:49,Info,172.168.12.1,csbrick,NILVALUE DHCP @cee: { ""issuerAddr":"","172.168.12.1","peerId":"","(null)","peerAddr":"","172.168.12.1","type":"","7","appMsg":"","A: DHCP Enabled","repNb":"","0","repLastTime":"","(null)"}
	FTP Enabled		Info	172.168.12.1	Hardware ID	FTP @cee	7	FTP Enabled	27/02/2020 16:49,Info,172.168.12.1,csbrick,NILVALUE FTP @cee: { ""issuerAddr":"","172.168.12.1","peerId":"","(null)","peerAddr":"","172.168.12.1","type":"","7","appMsg":"","A: FTP Enabled","repNb":"","0","repLastTime":"","(null)"}
	HTTP/HTTPS Disabled		Info	172.168.12.1	Hardware ID	HTTP @cee	7	HTTP/HTTPS Disabled	27/02/2020 16:49,Info,172.168.12.1,csbrick,NILVALUE HTTP @cee: { ""issuerAddr":"","172.168.12.1","peerId":"","(null)","peerAddr":"","172.168.12.1","type":"","7","appMsg":"","A: HTTP/HTTPS Disabled","repNb":"","0","repLastTime":"","(null)"}
	DHCP Disabled		Info	172.168.12.1	Hardware ID	DHCP @cee	7	DHCP Disabled	27/02/2020 16:49,Info,172.168.12.1,csbrick,NILVALUE DHCP @cee: { ""issuerAddr":"","172.168.12.1","peerId":"","(null)","peerAddr":"","172.168.12.1","type":"","7","appMsg":"","A: DHCP Disabled","repNb":"","0","repLastTime":"","(null)"}
	TFTP Disabled		Info	172.168.12.1	Hardware ID	TFTP @cee	7	TFTP Disabled	27/02/2020 16:49,Info,172.168.12.1,csbrick,NILVALUE TFTP @cee: { ""issuerAddr":"","172.168.12.1","peerId":"","(null)","peerAddr":"","172.168.12.1","type":"","7","appMsg":"","A: TFTP Disabled","repNb":"","0","repLastTime":"","(null)"}
	FTP Disabled		Info	172.168.12.1	Hardware ID	FTP @cee	7	FTP Disabled	27/02/2020 16:49,Info,172.168.12.1,csbrick,NILVALUE FTP @cee: { ""issuerAddr":"","172.168.12.1","peerId":"","(null)","peerAddr":"","172.168.12.1","type":"","7","appMsg":"","A: FTP Disabled","repNb":"","0","repLastTime":"","(null)"}
	SNMP Enabled		Info	172.168.12.1	Hardware ID	SNMP @cee	7	SNMP Enabled	27/02/2020 16:49,Info,172.168.12.1,csbrick,NILVALUE SNMP @cee: { ""issuerAddr":"","172.168.12.1","peerId":"","(null)","peerAddr":"","172.168.12.1","type":"","7","appMsg":"","A: SNMP Enabled","repNb":"","0","repLastTime":"","(null)"}
	EIP Enabled		Info	172.168.12.1	Hardware ID	EIP @cee	7	EIP Enabled	27/02/2020 16:49,Info,172.168.12.1,csbrick,NILVALUE EIP @cee: { ""issuerAddr":"","172.168.12.1","peerId":"","(null)","peerAddr":"","172.168.12.1","type":"","7","appMsg":"","A: EIP Enabled","repNb":"","0","repLastTime":"","(null)"}
	EIP Disabled		Info	172.168.12.1	Hardware ID	EIP @cee	7	EIP Disnabled	27/02/2020 16:49,Info,172.168.12.1,csbrick,NILVALUE EIP @cee: { ""issuerAddr":"","172.168.12.1","peerId":"","(null)","peerAddr":"","172.168.12.1","type":"","7","appMsg":"","A: EIP Disabled","repNb":"","0","repLastTime":"","(null)"}
	RSTP Enabled		Info	172.168.12.1	Hardware ID	RSTP @cee	7	RSTP Enabled	27/02/2020 16:49,Info,172.168.12.1,csbrick,NILVALUE RSTP @cee: { ""issuerAddr":"","172.168.12.1","peerId":"","(null)","peerAddr":"","172.168.12.1","type":"","7","appMsg":"","A: RSTP Enabled","repNb":"","0","repLastTime":"","(null)"}
	RSTP Disabled		Info	172.168.12.1	Hardware ID	RSTP @cee	7	RSTP Disnabled	27/02/2020 16:49,Info,172.168.12.1,csbrick,NILVALUE RSTP @cee: { ""issuerAddr":"","172.168.12.1","peerId":"","(null)","peerAddr":"","172.168.12.1","type":"","7","appMsg":"","A: RSTP Disabled","repNb":"","0","repLastTime":"","(null)"}
	SNMP Disabled		Info	172.168.12.1	Hardware ID	SNMP @cee	7	SNMP Disabled	27/02/2020 16:49,Info,172.168.12.1,csbrick,NILVALUE SNMP @cee: { ""issuerAddr":"","172.168.12.1","peerId":"","(null)","peerAddr":"","172.168.12.1","type":"","7","appMsg":"","A: SNMP Disabled","repNb":"","0","repLastTime":"","(null)"}
	MODBUS Enabled		Info	172.168.12.1	Hardware ID	MODBUS @cee	7	MODBUS Enabled	27/02/2020 16:49,Info,172.168.12.1,csbrick,NILVALUE MODBUS @cee: { ""issuerAddr":"","172.168.12.1","peerId":"","(null)","peerAddr":"","172.168.12.1","type":"","7","appMsg":"","A: MODBUS Enabled","repNb":"","0","repLastTime":"","(null)"}
	MODBUS Disabled		Info	172.168.12.1	Hardware ID	MODBUS @cee	7	MODBUS Disnabled	27/02/2020 16:49,Info,172.168.12.1,csbrick,NILVALUE MODBUS @cee: { ""issuerAddr":"","172.168.12.1","peerId":"","(null)","peerAddr":"","172.168.12.1","type":"","7","appMsg":"","A: MODBUS Disabled","repNb":"","0","repLastTime":"","(null)"}
	SECURITY Enabled		Info	172.168.12.1	Hardware ID	SECURITY @cee	7	SECURITY Enabled	27/02/2020 16:49,Info,172.168.12.1,csbrick,NILVALUE SECURITY @cee: { ""issuerAddr":"","172.168.12.1","peerId":"","(null)","peerAddr":"","172.168.12.1","type":"","7","appMsg":"","A: SECURITY Enabled","repNb":"","0","repLastTime":"","(null)"}
	SECURITY Disabled		Info	172.168.12.1	Hardware ID	SECURITY @cee	7	SECURITY Disnabled	27/02/2020 16:49,Info,172.168.12.1,csbrick,NILVALUE SECURITY @cee: { ""issuerAddr":"","172.168.12.1","peerId":"","(null)","peerAddr":"","172.168.12.1","type":"","7","appMsg":"","A: SECURITY Disabled","repNb":"","0","repLastTime":"","(null)"}
Major changes in the system: - Program operating mode change (run, stop, ...) <i>AppMessage :</i> <i>"x: PLC state update: RUN" text</i> <i>"x: PLC state update: STOP" text</i> <i>x = "A" or "B" to identify the Rack</i> <i>BME NOC run or stop state</i>	PLC state update: STOP	13	Info	172.168.12.1	Hardware ID	DeviceManager @cee	7	PLC state update: STOP	27/02/2020 16:49,Info,172.168.12.1,csbrick,NILVALUE DeviceManager @cee: { ""issuerAddr":"","172.168.12.1","peerId":"","(null)","peerAddr":"","(null)","type":"","7","appMsg":"","A: PLC state update: STOP","repNb":"","0","repLastTime":"","(null)"}
	PLC state update: RUN	13	Info	172.168.12.1	Hardware ID	DeviceManager @cee	7	PLC state update: RUN	27/02/2020 16:50,Info,172.168.12.1,csbrick,NILVALUE DeviceManager @cee: { ""issuerAddr":"","172.168.12.1","peerId":"","(null)","peerAddr":"","(null)","type":"","7","appMsg":"","A: PLC state update: RUN","repNb":"","0","repLastTime":"","(null)"}
New configuration downloaded to BMENOC <i>AppMessage :</i> <i>"x: PLC state update: NEW CONFIGURATION" text</i> <i>x = "A" or "B" to identify the Rack</i>	New Configuration		Emergency	172.168.12.1	Hardware ID	DeviceManager @cee	9	PLC state update: NEW CONFIGURATION	27/02/2020 16:49,Emergency,172.168.12.1,csbrick,NILVALUE DeviceManager @cee: { ""issuerAddr":"","172.168.12.1","peerId":"","(null)","peerAddr":"","(null)","type":"","9","appMsg":"","A: PLC state update: NEW CONFIGURATION","repNb":"","0","repLastTime":"","(null)"}
Major changes in the system: <i>AppMessage :</i> <i>"x: PLC state update: RESET" text</i> <i>x = "A" or "B" to identify the Rack</i>			Info	172.168.12.1	Hardware ID	DeviceManager @cee	13	PLC state update: RESET	27/02/2020 16:49,Emergency,172.168.12.1,csbrick,NILVALUE DeviceManager @cee: { ""issuerAddr":"","172.168.12.1","peerId":"","(null)","peerAddr":"","(null)","type":"","9","appMsg":"","A: PLC state update: RESET","repNb":"","0","repLastTime":"","(null)"}
Embedded switch port status change: Port link up, port link down. <i>AppMessage :</i> <i>"x: Major network physical port status change, port y Link up" text</i> <i>x = "A" or "B" to identify the Rack</i> <i>y = port number</i> <i>"x: Major network physical port status change, port y Link down" text</i> <i>x = "A" or "B" to identify the Rack</i> <i>y = port number</i>	Link up	10	Warning	172.168.12.1	Hardware ID	ETH @cee	19	Major network physical port status change, port 2 Link up	27/02/2020 17:51,Warning,172.168.12.1,csbrick,NILVALUE ETH @cee: { ""issuerAddr":"","172.168.12.1","peerId":"","(null)","peerAddr":"","(null)","type":"","19","appMsg":"","A: Major network physical port status change, port 2 Link up","repNb":"","0","repLastTime":"","(null)"}
	Link down	10	Warning	172.168.12.1	Hardware ID	ETH @cee	19	Major network physical port status change, port 2 Link down	27/02/2020 17:51,Warning,172.168.12.1,csbrick,NILVALUE ETH @cee: { ""issuerAddr":"","172.168.12.1","peerId":"","(null)","peerAddr":"","(null)","type":"","19","appMsg":"","A: Major network physical port status change, port 2 Link down","repNb":"","0","repLastTime":"","(null)"}

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General Event Description	Additional description	Syslog message structure: Timestamp, Facility, Severity, Hostname, AppName, Procid, MsgID, MessageText (Type, AppMessage...)							Syslog messages examples from Syslog server
		Facility	Severity ⁽¹⁾	Hostname	App-name	MSGID	Type	AppMessage	
Topology changes detected: - From RSTP: port role change or root change AppMessage : "x: Major network physical port status change, port y z" text x = "A" or "B" to identify the Rack y = port number z = "Port Disabled", "Port Learning", "Port Forward", "Port Blocking"	Port Learning	10	Emergency	172.168.12.1	Hardware ID	RSTP @cee	20	Major network physical port status change, port 3 Port learning	27/02/2020 17:51,Emergency,172.168.12.1,csbrick,NILVALUE RSTP @cee: { ""issuerAddr":"","172.168.12.1","peerId":"","(null)","peerAddr":"","(null)","type":"","20","appMsg":"","A: Major network physical port status change, port 3 Port learning","repNb":"","0","repLastTime":"","(null)"} }
	Port blocking	10	Emergency	172.168.12.1	Hardware ID	RSTP @cee	20	Major network physical port status change, port 3 Port blocking	27/02/2020 17:51,Emergency,172.168.12.1,csbrick,NILVALUE RSTP @cee: { ""issuerAddr":"","172.168.12.1","peerId":"","(null)","peerAddr":"","(null)","type":"","20","appMsg":"","A: Major network physical port status change, port 3 Port blocking","repNb":"","0","repLastTime":"","(null)"} }
	Port forward	10	Emergency	172.168.12.1	Hardware ID	RSTP @cee	20	Major network physical port status change, port 3 Port forward	27/02/2020 17:51,Emergency,172.168.12.1,csbrick,NILVALUE RSTP @cee: { ""issuerAddr":"","172.168.12.1","peerId":"","(null)","peerAddr":"","(null)","type":"","20","appMsg":"","A: Major network physical port status change, port 3 Port forward","repNb":"","0","repLastTime":"","(null)"} }
	Port disabled	10	Emergency	172.168.12.1	Hardware ID	RSTP @cee	20	Major network physical port status change, port 3 Port Disabled	27/02/2020 17:51,Emergency,172.168.12.1,csbrick,NILVALUE RSTP @cee: { ""issuerAddr":"","172.168.12.1","peerId":"","(null)","peerAddr":"","(null)","type":"","20","appMsg":"","A: Major network physical port status change, port 3 Port disabled","repNb":"","0","repLastTime":"","(null)"} }
FTP Connection : AppMessage : "x: y user z login SUCCESS" text "x: y user z login FAILED" text x = "A" or "B" to identify the Rack y (service) = FTP z = User ID (login in name)	Login success		Info	172.168.12.1	Hardware ID	FTP @cee	21	FTP User 'loader' logging SUCCESS	27/02/2020 17:51,Info,172.168.12.1,csbrick,NILVALUE RSTP @cee: { ""issuerAddr":"","172.168.12.1","peerId":"","(null)","peerAddr":"","172.168.4.80","type":"","21","appMsg":"","FTP User 'loader' logging SUCCESS","repNb":"","0","repLastTime":"","(null)"} }
	Login failed		Info	172.168.12.1	Hardware ID	FTP @cee	21	FTP User 'loader' logging FAILED	27/02/2020 17:51,Info,172.168.12.1,csbrick,NILVALUE RSTP @cee: { ""issuerAddr":"","172.168.12.1","peerId":"","(null)","peerAddr":"","172.168.4.80","type":"","21","appMsg":"","FTP User 'loader' logging FAILED","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).									