Appendix

Syslog Messages

The tables below list the syslog messages generated by Cisco vEdge devices and Cisco IOS XE Catalyst SD-WAN devices. The messages are grouped based on the software module that generates them. The software modules are typically processes (daemons) that run on the device.

All syslog messages are generated on all the devices unless otherwise indicated.

Each syslog message has a corresponding number. The tables list all syslog messages and their number even if the messages are defined in the header files but are not currently used in the operating software. For these messages, the Message Format, Description, and Action fields are empty.

In these tables, the Action field indicates the recommended action you should take in response to the syslog message:

- A—Automatically open a ticket in your organization's support team.
- AE—Automatically open a support ticket and escalate the ticket
- E—Send email to the appropriate team within your organization.

If you see a syslog message that is not listed in one of the tables below, please send the message, along with the device and software version, to Cisco support.

Note For information about Cisco SD-WAN Manager syslog message format, syslog message levels, and system log files, see Syslog Messages.

CFGMGR: Configuration Manager Process

Priority: Informational

Message	Number	Message Format	Description	Action
CFGMGR_SYSLOG_END	399999	Terminating cfgmgr	Configuration manager is stopping	E
CFGMGR_SYSLOG_SPEED_DUPLEX_NOT_SUPPORTED	300003	—	Interface does not support duplex mode	E
CFGMGR_SYSLOG_SPURIOUS_TIMER	300002	—	Internal error	A
CFGMGR_SYSLOG_IF_STATE	300004	—	Interface state reported by configuration manager	E
CFGMGR_SYSLOG_START	300001	Starting cfgmgr	Configuration manager is starting	E

CFLOWD: Cflowd Traffic Flow Monitoring Process

Priority: Informational

Message	Number	Message Format	Description	Action
CFLOWD_SYSLOG_MSG	2200002	Received information about vpn_id %ld, vpn_id	Cflowd detected a VPN change	E

Priority: Notice

Message	Number	Message Format	Description	Action
CFLOWD_SYSLOG_END	2299999	Terminating module cflowd because sysmgr terminated	Cflowd module going down at request of sysmgr	E
CFLOWD_SYSLOG_END	2299999	Terminating module cflowd with error code %d	Cflowd initialization failed and cflowd is about to go down, or cflowd module is going down	A
CFLOWD_SYSLOG_START	2200001	Starting module cflowd	Cflowd module is starting	E

CHMGR: Chassis Manager

The chassis manager process runs only on physical routers.

Priority: Informational

Message	Number	Message Format	Description	Action
CHMGR_CHASSIS_INFO	100009	Chassis-Type %s max-modules %d	Informational message indicating chassis type and maximum number of modules (PIMs + fixed) supported by chassis	E
CHMGR_FAN_SPEED_HIGH	100003	—	Fan speed is high	E
CHMGR_FAN_SPEED_NORMAL	100004	—	Fan speed is normal	E
CHMGR_FANTRAY_INSERTED	100052	Fantray %d inserted	Fan tray inserted (on vEdge 2000 only)	E
CHMGR_FANTRAY_REMOVED	100053	Fantray %d removed	Fan tray removed (on vEdge 2000 only)	E
CHMGR_MODULE_INSERTED	100007	Module %d inserted - port type: %s, num_ports: %s	PIM module inserted	E
CHMGR_MODULE_REMOVED	100008	Module %d removed	PIM module removed	E
CHMGR_PIM_OK	100057	—	PIM module status is normal	E
CHMGR_PORT_INSERTED	100005	Port %s inserted in module %d	SFP inserted	E
CHMGR_PORT_REMOVED	100006	Port %s removed from module %d	SFP removed	E
CHMGR_SIGTERM	100024	Received sigterm, exiting gracefully	Debug-level message indicating that chassis manager is going down	E
CHMGR_SYSLOG_START	100001	Starting chassis manager	Chassis manager process is starting	E
CHMGR_USB_INSERTED	100058	USB media inserted in slot %d	USB media inserted	E
CHMGR_USB_REMOVED	100059	USB media removed from slot %d	USB media removed	E

Priority: Notice

Message	Number	Message Format	Description	Action
CHMGR_EMMC_OK	100039	eMMC read successful	EMMC read was successful	E
CHMGR_FAN_OK	100041	Fan Tray %d Fan %d fault cleared, ftrayid, id	Fan fault cleared	E

Message	Number	Message Format	Description	Action
CHMGR_FANTRAY_OPER	100055	Fan tray '%d' up, ftrayid	Fan tray detected	A
CHMGR_FLASH_OK	100037	Flash memory status read successful	Flash read successful	E
CHMGR_PEM_OK	100043	Power supply '%d' fault cleared	Power supply fault cleared	E
CHMGR_PEM_OPER	100045	Power supply '%d' up	Power supply inserted or detected	E
CHMGR_SDCARD_OK	100047	SD card read successful	SD card read successful	E
CHMGR_SFP_UNSUPPORTED	10060	SFP %s is not supported	SFP is not supported	E
CHMGR_SHORT_RESET_REQUEST	100018	—	Chassis manager received a request to reboot the router	E
CHMGR_TEMP_GREEN	100030	%s temperature (%d degrees C) is below yellow threshold (%d degrees C)	Temperature sensor reading below yellow threshold	E
CHMGR_TEMP_OK	100027	%s temperature sensor fault cleared	Temperature sensor read successful after a previous failed attempt	E

Priority: Warning

Message	Number	Message Format	Description	Action
CHMGR_HOTSWAP_DIFF_MOD	100051	Hot-Insertion of a module of different type requires reboot. Module %d will remain down,	PIM module of a different type was inserted in the slot; it was detected, but will remain down until the next reboot	E

Priority: Error

Message	Number	Message Format	Description	Action
CHMGR_CONFD_DATACB_REGISTER_FAILED	100023	Failed to register data cb	Internal error registering a data callback function with confd	AE

Message	Number	Message Format	Description	Action
CHMGR_CONFD_REPLY_FAILED	100022	Failed to send oper data reply - %s (%d)	Internal error occurred when processing chassis manager–related configuration of **show** command	A
CHMGR_EEPROM_READ_FAILED	100011	Failed to read module %d eeprom on chassis %s, module, chassis-name	Failed to read details of inserted PIM	AE
CHMGR_EEPROM_VERSION_ERROR	100012	Unsupported eeprom format version for module %d	EEPROM version of PIM module is supported; module will not be recognized	AE
CHMGR_EMMC_FAULT	100038	eMMC fault detected	Error occurred reading EMMC information	A
CHMGR_FAN_FAULT	100040	Fan Tray %d Fan %d fault detected, ftrayid, id	Fan fault detected	A
CHMGR_FANTRAY_DOWN	100054	Fan tray '%d' not present, ftrayid id	Fan tray not detected	A
CHMGR_FLASH_FAULT	100036	Flash memory status fault	Internal error reading flash	AE
CHMGR_GET_HWADDR_FAILED	100010	Failed to get macaddr for %s, p_ifname	Internal error resulting from failure to obtain an interface's MAC address	A
CHMGR_GET_IFFLAG_FAILED	100016	Failed to get ifflags for %s err %d, p_port->kernel_name, errno	Interface initialization failure; interface may remain down, or device may reboot	A

Message	Number	Message Format	Description	Action
CHMGR_IFFLAGS_SET_FAIL	100050	—	Setting an interface flag failed	E
CHMGR_IF_GSO_OFF_FAILED	100025	—	Setting interface options failed	E
CHMGR_PEM_DOWN	100044	Power supply '%d' down or not present	Power supply removed or not detected	A
CHMGR_PEM_FAULT	100042	Power supply '%d' fault detected	Power supply fault detected	AE
CHMGR_PIM_FAULT	100056	PIM %d power fault	PIM power fault detected	AE
CHMGR_PIM_FAULT	100056	PIM %d power fault cleared	PIM power fault cleared	A
CHMGR_SDCARD_FAULT	100046	SD card fault detected (no present or unreadable)	SD card fault detected	A
CHMGR_SET_IFFLAG_FAILED	100017	Failed to set ifflags to %x for %s err %d	Interface initialization failure; interface may remain down, or device may reboot	A
CHMGR_SHORT_RESET_CLEAR_FAILED	100019	—	Clearing a reboot request failed.	A
CHMGR_SHORT_RESET_FAILED	100020	—	Request to reset the router by rebooting failed	A
CHMGR_SPURIOUS_TIMER	100035	Spurious timer ignored what = %#x arg = %p	Internal error	A
CHMGR_SYSOUT_OF_RESOURCES	100049	Timer add failed. Out of resources	Interal error; if fatal, device may reboot to recover	A

Message	Number	Message Format	Description	Action
CHMGR_UNKNOWN_MODULE_TYPE	100013	Invalid module-type %x in module-slot %d on chassis %s,	Unrecognized PIM module type in slot	AE
CHMGR_UNSUPPORTED_MODULE_TYPE	100014	Module-Type %s not supported in slot %d on chassis %s	PIM module is not supported in slot in which it is inserted	A

Priority: Critical

Message	Number	Message Format	Description	Action
CHMGR_IF_RENAME_FAILED	100015	Unable to rename %s to %s	Interface initialization failed; interface may remain down or the device may reboot	A
CHMGR_TEMP_FAULT	100026	%s temperature sensor fault detected. Unable to read temperature	Failed to read from a temperature sensor; possible temperature sensor failure	A
CHMGR_TEMP_RED	100028	%s temperature (%d degrees C) is above red threshold (%d degrees C).	Temperature sensor reading above red threshold	AE
CHMGR_TEMP_YELLOW	100029	%s temperature (%d degrees C) is above yellow threshold (%d degrees C),	Temperature sensor reading above yellow threshold	A

Priority: Alert

Message	Number	Message Format	Description	Action
CHMGR_CONFD_INIT_FAILED	100021	Initialization failed. vconfd_module_init returned %d	Chassis manager failed to initialize and start	AE

CVMX: Internal Cavium Driver Process

Priority: Informational

Message	Number	Message Format	Description	Action
CVMX_SYSLOG_END	999999	Terminating Cavium drivers	Internal Cavium drivers ending	E
CVMX_SYSLOG_START	900001	Starting Cavium drivers	Internal Cavium drivers starting	E

CXP: Cloud onRamp for SaaS Process

Priority: Informational

Message	Number	Message Format	Description	Action
CXP_SYSLOG_END	2799999	Terminating Cloud onRamp process	Cloud onRamp for SaaS ending	E
CXP_SYSLOG_START	2700001	Starting Cloud onRamp process	Cloud onRamp for SaaS starting	E

CONTAINER: Containers

Priority: Informational

Message	Number	Message Format	Description	Action
CONTAINER_SYSLOG_END	2699999	Terminating container process	Container process ending	E
CONTAINER_SYSLOG_START	2600001	Starting container process	Container process starting	E

DBGD: Debug Process

Priority: Informational

Message	Number	Message Format	Description	Action
DBGD_SYSLOG_END	2900001	Terminating debug process	Debug process ending	E
DBGD_SYSLOG_START	2999999	Starting debug process	Debug process starting	E

DHCPC: DHCP Client

The DHCP client process runs only on Cisco vEdge devices.

Priority: Informational

Message	Number	Message Format	Description	Action
DHCP_SYSLOG_CLEAR_INTERFACE	1300006	Clearing dhcp state for interface %s,	DHCP client cleared DHCP state for interface	E
DHCP_SYSLOG_DISCOVER_TIMEOUT	1300005	No response for dhcp discover packets for interface %s,	DHCP discovery failure	E
DHCP_SYSLOG_END	1300001	Terminating syslog process	Syslog process ending	E

Message	Number	Message Format	Description	Action
DHCP_SYSLOG_IP_ADDR_ASSIGNED	1300002	Assigned address %s to interface %s	DHCP client assigned address to interface	E
DHCP_SYSLOG_IP_ADDR_RELEASED	1300003	Released address for interface %s	DHCP client released address	E
DHCP_SYSLOG_IP_ADDR_RENEWED	1300010	Renewed address %s for interface %s	DHCP client address renewed	E
DHCP_SYSLOG_IP_ADDR_REQUEST_RENEW	1300004	Requesting renew [50%%] for interface %s address %s/%d	DHCP client renewal request at 50% of lease expiration time	E
DHCP_SYSLOG_IP_ADDR_REQUEST_RENEW	1300004	Requesting renew [85%%] for interface %s address %s/%d	DHCP client renewal request at 85% of lease expiration time	E
DHCP_SYSLOG_IP_ADDR_REQUEST_RENEW	1300004	Requesting renew [100%%] for interface %s address %s/%d	DHCP client renewal request at 100% of lease expiration time	E
DHCP_SYSLOG_START	1399999	Starting syslog process	Syslog paroces starting	E

Priority: Critical

Message	Number	Message Format	Description	Action
DHCP_SYSLOG_IP_ADDR_CONFLICT	1300007	Interface %s IP Address %s conflict with interface %s,	DHCP client detected IP address conflict with another interface	E

DHCP: DHCP Server

The DHCP server process runs only on Cisco vEdge devices.

Priority: Informational

Message	Number	Message Format	Description	Action
DHCP_SYSLOG_CLEAR_SERVER_BINDINGS	1300008	Clearing dhcp server bindings for interface %s, vpn %ld,	DHCP server cleared bindings for interface	E
DHCP_SYSLOG_CLEAR_SERVER_BINDINGS	1300008	Clearing dhcp server binding for interface %s, vpn %ld, mac addr %x:%x:%x:%x:%x:%x,	DHCP server cleared bindings for interface	E

FPMD: Forwarding Policy Manager Process

Priority: Informational

Message	Number	Message Format	Description	Action
FPMD_SYSLOG_ACL_PROGRAM_SUCCESS	1100005	Successfully reprogrammed access list - %s	Access list successfully created	E
FPMD_SYSLOG_END	1199999	Terminating fpmd	Forwarding policy manager process is ending	E
FPMD_SYSLOG_POLICY_PROGRAM_SUCCESS	1100004	Successfully reprogrammed policy %s - %s	Policy created successfully	E
FPMD_SYSLOG_START	1100001	Starting fpmd	Forwarding policy manager process is starting	E

Priority: Alert

Message	Number	Message Format	Description	Action
FPMD_SYSLOG_ACL_PROGRAM_FAILED	1100003	Failed to allocate memory for access list %s. Continuing without the access	Access list could not be created	A
FPMD_SYSLOG_POLICY_PROGRAM_FAILED	1100002	Failed to allocate memory for policy %s - %s. Continuing without the policy	Policy could not be created	A

FTMD: Forwarding Table Management Process

The forwarding table management process runs only on Cisco vEdge devices.

Priority: Informational

Message	Number	Message Format	Description	Action
FTMD_SLA_CLASS_ADD	1000020	SLA Class %s added at index %d: loss = %d%%, latency = %d ms	SLA class added	E
FTMD_SYSLOG_BFD_STATE	1000009	record with discriminator %u invalid	BFD state is invalid	E

Message	Number	Message Format	Description	Action
FTMD_SYSLOG_BFD_STATE	1000009	BFD Session %s.%u->%s.%u %s:%u->%s:%u %s %s %s %d	BFD state changed	E
FTMD_SYSLOG_DBGD_STATE	1000036	Connection to DBGD came up Connection to DBGD went down DBGD FTM: Initialized message queue DBGD FTM oper %d vpn %u sip %s:%u dip %s %u DBGD FTM: oper %d vpn %lu localc %d remote %d remoteip %s	Messages related to the FTM debugging process	E
FTMD_SYSLOG_DPI_FLOW_OOM	1000024	Out-of-memory status for DPI flows: %s	Memory status for SAIE flows **Note** In Cisco vManage Release 20.7.1 and earlier releases, the Cisco Catalyst SD-WAN Application Intelligence Engine (SAIE) flow is called the deep packet inspection (DPI) flow.	E
FTMD_SYSLOG_DPI_WRITE_OFF	1000032	Turning off writing DPI records to disk	SAIE records are no longer being written to disk **Note** In Cisco vManage Release 20.7.1 and earlier releases, the SD-WAN Application Intelligence Engine (SAIE) flow is called the deep packet inspection (DPI) flow.	E

Message	Number	Message Format	Description	Action
FTMD_SYSLOG_END	1999999	Terminating FTM process	Forwarding table management process ending	E
FTMD_SYSLOG_FIB_GROW	1000012	Growing FIB6 memory to accommodate larger tables):	IPv6 forwarding table size is being increased	E
FTMD_SYSLOG_FIB_GROW	1000012	Growing FIB memory to accommodate larger tables):	IPv4 forwarding table size is being increased	E
FTMD_SYSLOG_IF_STATE	1000001	VPN %lu Interface %s %s,	FTM detected interface state change	E
FTMD_SYSLOG_LR_ADD	1000027	LR: Adding Iface %s as LR	Last-resort interface is being added	E
FTMD_SYSLOG_LR_ADD	1000027	LR: Iface %s has become an LR	Interface has become a last-resort interface	E
FTMD_SYSLOG_LR_DEL	1000028	LR: Found iface %s while looking for iface %s	Last-resort interface found while looking for another interface	E
FTMD_SYSLOG_LR_DEL	1000028	LR: iface %s has become non-LR. Hence set OPER UP on that interface	Last-resort interface has become an active interface	E
FTMD_SYSLOG_LR_DEL	1000028	LR: Iface %s has become a non-LR LR: Removing Iface %s as LR	Messages related to an interface that is no longer a last-resort interface	E

Message	Number	Message Format	Description	Action
FTMD_SYSLOG_LR_DOWN	1000030	LR: At least one bfd session of non-LR is active LR: At least one non-LR's bfd session in Up LF bfd session = SIP: %s DIP:%s SPORT:%u DPORT:%u PROTO:%u is Up for at least &u interval msecs LR: Bringing LR's wan if Down in %u msecs LR: Bringing LR's wan if Down right away LR: Cleared LR down_in-progress	Messages related to shutting down an interface of last resort	E
FTMD_SYSLOG_LR_UP	1000029	LR: All bfd sessions gone down. Setting LR %s's OPER state to UP	Last-resort interface's status set to Up because no other circuits on the router are active	E
FTMD_SYSLOG_LR_UP	1000029	LR: Bring LR's wan if up immediately as no other circuit's bfd sessions are up	Last-resort interface activated because no other circuits on the router are active	E
FTMD_SYSLOG_LR_UP	1000029	LR: Starting hold up timer immediately !!	Hold timer for last-resort interface activated because no other circuits on the router are active	E
FTMD_SYSLOG_NAT_FLOW_ADD	1000039	NAT flow add: Private %s, Public %s	FTM detected the addition of a NAT flow with the specified private and public IP addresses	E

Message	Number	Message Format	Description	Action
FTMD_SYSLOG_NAT_FLOW_DELETE	1000040	NAT flow delete: Private %s, Public %s	FTM detected the deletion of a NAT flow with the specified private and public IP addresses	E
FTMD_SYSLOG_PIM_DOWN	1000017	—	FTM detected that PIM ended	E
FTMD_SYSLOG_PIM_UP	1000018	—	FTM detected that PIM started	E
FTMD_SYSLOG_ROUTE_ADD_FAIL	1000004	Route Add for prefix %s Failed. Reason %s	FTM failed to add a route received from the RTM	E
FTMD_SYSLOG_ROUTE_VERIFY	1000033	Successfully verified RIB and FIB routes on the Cisco vEdge device	FTM verified the routes in the router's RIB and FIB	E
FTMD_SYSLOG_ROUTE_VERIFY_FAIL	1000034	—	RIB and FIB router verification failed	E
FTMD_SYSLOG_SIGTERM	1000005	Received Cleanup signal. Exiting gracefully	FTM received termination signal from sysmgr and is about to go down	E
FTMD_SYSLOG_START	1000001	Starting FTM process	Forwarding table management process starting	E
FTMD_SYSLOG_TCPD_STATE	1000035	Sent tcp_opt_disable successfully for vpn %ld	Disabling of TCP options was successful on the interface	E
FTMD_SYSLOG_TUNNEL_ADD_FAIL	1000015	Tunnel Add to TLOC %s.%s Failed. Reason %s	Failed to add new TLOC; reported by TTM	E
FTMD_SYSLOG_WWAN_STATE	1000025	Bring %s last resort circuit	Up or down status of circuit of last resort	E
FTMD_SYSLOG_WWAN_STATE	1000025	Connection to WWAN came up	Circuit of last resort came up	E
FTMD_SYSLOG_WWAN_STATE	1000025	Connection to WWAN went down	Circuit of last resort went down	E

Priority: Notice

Message	Number	Message Format	Description	Action
FTMD_SLA_CLASS_DEL	1000022	Sla class %s at index %d removed: loss = %d%%, latency = %d ms, jitter = %d ms	SLA class deleted	A
FTMD_SLA_CLASS_MOD	1000021	Sla class %s at index %d modified: loss = %d%%, latency = %d ms, jitter = %d ms	SLA class changed	A
FTMD_SLA_CLASS_VIOLATION	1000023	[%lu] SLA class violation application %s %2:%u._%s:&u protocol: %d dscp: %d %s, status - %s	SLA class violation for application in specified VPN, with specified source address and port, destination address and port, protocol, DSCP, and reason	A
FTMD_SYSLOG_DOT1X_HOST	1000031	Host %s denied access on interface %s in single host mode	An 802.1X interface in single-host mode is denying access, because it has already granted access to a client	E
FTMD_SYSLOG_FLOW_LOG	1000026	%s	FTM detected a new flow	E
FTMD_SYSLOG_FP_CORE_FAIL	1000013	FP core watchdog expired (rc = %d). %s, rc, action_str	FTM detected that FP may not be functioning; device will reboot soon	A
FTMD_SYSLOG_PMTU_LOWERED	1000016	Tunnel %s/%d -> %s/%d MTU Changed to %u due to Path-MTU Discovery,	MTU size on a tunnel changed due to path MTU discovery	E
FTMD_SYSLOG_ZBFW_FLOW_ADD	1000037	ZBF flow created zone-air %s key %s src_vpn %d dst_vpn %d expiry secs %d state %s	FTM detected the creation of a zone pair	E
FTMD_SYSLOG_ZBFW_FLOW_DEL	1000038	ZBF flow deleted zone-air %s key %s src_vpn %d dst_vpn %d state %s	FTM detected the deletion of a zone pair	E

Priority: Critical

Message	Number	Message Format	Description	Action

FTMD_SYSLOG_BUFFER_POOL_LOW **Note** This error message is available from Cisco SD-WAN Release 20.7.1.	1000041	Critical Alert: Buffer Pool <num>: available buffers are x% of total buffers	FTM detected that the specified buffer pool has gone below 20% of its capacity	E

Priority: Warning

Message	Number	Message Format	Description	Action
FTMD_SYSLOG_BUFFER_POOL_LOW **Note** This error message is available from Cisco SD-WAN Release 20.7.1.	1000041	Warning Alert: Buffer Pool <num>: available buffers are x% of total buffers	FTM detected that the specified buffer pool has gone below 50% of its capacity	E
FTMD_SYSLOG_TTM_DOWN	1000008	Connection to TTM went down. p_msgq %p p_ftm %p,	FTM connection with TTM went down; BFD sessions will be cleared	E
FTMD_SYSLOG_TTM_UP	1000007	Connection to TTM came up. p_msgq %p p_ftm %p,	FTM connected with TTM	E
FTMD_TUNNEL_SLA_CHANGED	1000019	SLA changed for session: %s.%u->%s:%u->%s:%u. New loss = %d%%, latency = %d ms, jitter = %d ms, SLA Classes: %s (ox%x) %s%s	FTM detected SLA changes on a tunnel	E

Priority: Error

Message	Number	Message Format	Description	Action
FTMD_SYSLOG_CONFD_FAIL	1000003	Failed to register bfd show data cb	FTM failed to register data callback wtih confd; device may reboot	AE
FTMD_SYSLOG_CONFD_FAIL	1000003	Failed to register policer show data cb	FTM failed to register data callback with confd; device may reboot	AE
FTMD_SYSLOG_CONFD_FAIL	1000003	%s: Failed to register data cb, __FUNCTION__	FTM failed to register data callback with confd; device may reboot	AE
FTMD_SYSLOG_CONFD_FAIL	1000003	%s: Failed to send oper data reply - %s (%d) : %s,	FTM failed to respond correctly to confd; some **show** commands may not work	A

FTMD_SYSLOG_FP_COREDUMP	1000011	FP Core %d Died. Core file recorded at %s,	FTM detected an FP crash; device will reboot soon	AE
FTMD_SYSLOG_IFADD_FAIL	1000014	Failed to add interface %s in vpn %lu. Out of forwarding interface records	Interface not added because of insufficient forwarding interface database records	A
FTMD_SYSLOG_IFADD_FAIL	1000014	Failed to add interface %s in vpn %lu. Out of snmp interface indices	Interface not added because of insufficient SNMP interface indices	A
FTMD_SYSLOG_INIT_FAIL	1000002	vconf_module_init returned %d	FTM failed to start with confd	A
FTMD_SYSLOG_LR_DEL	1000028	LR: LR is not enabled...while we are trying to remove iface %s as last resort	Interface being removed is not configured as a last-resort interface	A
FTMD_SYSLOG_LR_DEL	1000028	LR: Unable to remove iface %s as LR	Interface is no longer a last-resort interface so it cannot be deleted	A
FTMD_SYSLOG_RTM_DECODE_FAIL	1000006	Bad RTM Msg: Msg-Type %u Msg-Len %u len: %u decoded-len %u,	Could not process route or interface change message from RTM	A
FTMP_SYSLOG_SPURIOUS_TIMER	1000010	Spurious timer ignored what = %#x arg = %p,	Internal error	A

GPS: Global Positioning System

Priority: Informational

Message	Number	Message Format	Description	Action
GPS_SYSLOG_END	2599999	Terminating GPS	GPS process is ending	E
GPS_SYSLOG_GGA_FIX	2500002	GGA %d:%d:%d lat=%f lon=%f alt=%f sat=%d hdop %f fix%d	GPS fix information	E
GPS_SYSLOG_GSA_FIX	2500004	GSA %s pdop=%.2f hdop=%.2f vdop=%.2f	GPS satellite and dilution of precision (DOP) information	E
GPS_SYSLOG_PSTOP	2500005	Polling disabled Stopping polling timers	Messages related to polling for GPS information	E
GPS_SYSLOG_RMC_FIX	2500003	RMC %s %d %d lat=%f lon=%f speed %f course=%s status valid	Essential minimum GPS information	E

Message	Number	Message Format	Description	Action
GPS_SYSLOG_START	2500001	Starting GPS	GPS process is starting	E

IGMP: Internet Group Management Protocol

Priority: Informational

Message	Number	Message Format	Description	Action
IGMP_SYSLOG_END	1800001	Terminating IGMP	IGMP process is ending	E
IGMP_SYSLOG_START	1899999	Starting IGMP	IGMP process is starting	E

LIBBSS: UNIX BSS Library

Unused Messages

Message	Number	Message Format	Description	Action
LIBBSS_SYSLOG_END	1699999	Terminating libbss	UNIX BSS library process is ending	E
LIBBSS_SYSLOG_START	1600001	Starting libbss	UNIX BSS library process is starting	E

LIBCHMGR: Chassis Manager Library Process

Unused Messages

Message	Number	Message Format	Description	Action
LIBCHMGR_SYSLOG_END	1599999	Terminating libchmrg	Chassis manager library process is ending	E
LIBCHMGR_SYSLOG_START	1500001	Starting libchmgr	Chassis manager libryary process is starting	E

MSGQ: Message Queue Process

Ununsed Messages

Message	Number	Message Format	Description	Action
MSGQ_SYSLOG_END	899999	Terminating msgq	Message queue process is ending	E
MSGQ_SYSLOG_START	800001	Starting msgq	Message queue process is starting	E

OMP: Overlay Management Protocol

Priority: Informational or Other

Message	Number	Message Format	Description	Action
OMP_NUMBER_OF_CISCO_VSMARTS	400005	Number of Cisco vSmarts connected: %u	Number of Cisco Catalyst SD-WAN Controllers to which device is connected (on Cisco vEdge devices only)	E
OMP_PEER_STATE_CHANGE	400002	%s peer %s state changed to %s,	OMP peer stated changed to up or down	E
OMP_POLICY_CHANGE	400007	Using policy from peer %s,	Forwarding policy received from Cisco Catalyst SD-WAN Controller (on Cisco vEdge devices only)	E
OMP_STATE_CHANGE	400003	Operational state changed to %s,	OMP internal operational state changed	E
OMP_TLOC_STATE_CHANGE	400004	TLOC %s state changed to %s for address-family: %s,	TLOC state changed	E

Priority: Notice

Message	Number	Message Format	Description	Action
OMP_SYSLOG_END	400006	Terminating	OMP process is stopping	E
OMP_SYSLOG_START	400001	Starting	OMP process is starting	E

PIM: Protocol-Independent Multicast Process

Priority: Informational

Message	Number	Message Format	Description	Action
IGMP_SYSLOG_END	1900001	Terminating	PIM process is ending	E
IGMP_SYSLOG_START	1999999	Starting	PIM process is starting	E

Priority: Notice

Message	Number	Message Format	Description	Action
PIM_SYSLOG_IF_STATE_CHANGE	1900003	VPN %lu Interface %s %s	In specified VPN, interface state changed to up or down	E
PIM_SYSLOG_NBR_STATE_CHANGE	1900002	Neighbor %s state changed to up	PIM neighbor came up	E
PIM_SYSLOG_TUNNEL_STATE_CHANGE	1900004	Tunnel %s state changed to %s	Tunnel used for PIM when down or came up	E

Priority: Error

Message	Number	Message Format	Description	Action
PIM_SYSLOG_NBR_STATE_CHANGE	1900002	Neighbor %s stated changed to down	PIM neighbor went down	E

POLICY: Policy Process

Unused Messages

Message	Number	Message Format	Description	Action
POLICY_SYSLOG_END	799999	Terminating policy	Policy process is ending	E
POLICY_SYSLOG_START	700001	Starting policy	Policy process is starting	E

RESOLV: Resolver Process

Unused Messages

Message	Number	Message Format	Description	Action
RESOLV_SYSLOG_END	2000001	Terminating resolver	Resolver process is ending	E
RESOLV_SYSLOG_START	2099999	Starting resolver	Resolver process is starting	E

SNMP Listener Process

Unused Messages

Message	Number	Message Format	Description	Action
SNMP_SYSLOG_END	2100001	Terminating SNMP listener	SNMP listener process is ending	E
SNMP_SYSLOG_START	2199999	Starting SNMP listener	SNMP listener process is starting	E

SYSMGR: System Manager Process

The system manager process (daemon) spawns, monitors, and terminates all the processes in the system, and it collects and logs vital system information, such as memory and CPU status.

Priority: Informational

Message	Number	Message Format	Description	Action
SYSMGR_CONFD_PHASE1_INFO	200041	Generated authorized keys on %s, p_sysmgr->cfg.my_personality	Generated authorized keys for SSH-based login between the Cisco SD-WAN Manager server and the Cisco SD-WAN device	E
SYSMGR_CONFD_PHASE2_SUCCESS	200007	Confd Phase2 Up	Successful device bringup	E
SYSMGR_DAEMON_START	200017	Started daemon %s @ pid %d in vpn %lu,	System manager started process in VPN	E
SYSMGR_DAEMON_UP	200011	Daemon %s @ pid %d came up in vpn %lu (%d %d)	Daemon started by system manager came up as expected	E
SYSMGR_SIGTERM	200001	Received sigterm, stopping all daemons except confd	System manager received termination signal and will initiate termination of all processes	E
SYSMGR_VPN_DESTROY	200022	vpn %lu destroy. lookup returned %p	Stopping all processes in VPN	E

Priority: Notice

Message	Number	Message Format	Description	Action
SYSMGR_CLOCK_SET	200025	System clock set to %s	System clock set by user	E
SYSMGR_CONFD_CDB_NOT_INITED	200031	Confd db initialization not complete. Deleting cdb and starting afresh.	First-time initialization of configuration database	E

Message	Number	Message Format	Description	Action
SYSMGR_CONFD_PHASE1_INFO	200041	Install successfully completed from %s to %s	Failed to read installation ID; will fall back to default	E
SYSMGR_CORE_FILE_COMPRESSED	200045	—	Core file was compressed	E
SYSMGR_DAEMON_EXIT_NORMAL	200021	—	A process terminated normally	E
SYSMGR_DAEMON_RESTARTED	200043	—	A process restarted	E
SYSMGR_DISK_ALERT_OFF	200036	Disk usage is below 60%%.	Disk usage is below threshold	E
SYSMGR_MEMORY_ALERT_OFF	200058	System memory usage is below 50%	System memory usage is below 50%	E
SYSMGR_MISC	200065	—	Miscellaneous message	E
SYSMGR_REBOOT	200038	System going down for a reboot.. (%s), reason	System manager initiating a device reboot, possibly because of a process failure	E
SYSMGR_SHM_FAIL	200042	Created shared memory %s	Successfully initialized shared memory for communication with other processes	E
SYSMGR_SHUTDOWN	200040	System shutting down.. (%s), reason	System manager is powering down the device; device will not come back up unless it is physically power-cycled	A
SYSMGR_SYSTEM_GREEN	200050	System up with software version %s	System status is green, indicating that all processes came up as expected	E

Message	Number	Message Format	Description	Action
SYSMGR_SYSTEM_RED	200051	System status red (software version '%s')	System status is red, possibly because of a process failure	A
SYSMGR_SYSTEM_START	200002	Starting system with Cisco SD-WAN software version %s	System has stated; usually one of the first messages during device bringup	E
SYSMGR_TIMEZONE_SET	200028	System timezone changed from %s to %s	System timezone changed as result of configuration change	E
SYSMGR_UPGRADE_AUTO_CONFIRMED	200063	—	A software upgrade was automatically confirmed	E
SYSMGR_UPGRADE_NOT_CONFIRMED	200049	—	A software upgrade was as not confirmed	E
SYSMGR_UPGRADE_PENDING_CONFIRMATION	200059	—	A software upgrade is pending confirmation	E
SYSMGR_VDEBUG_LOG_CLEANUP_NEEDED	200066	Debug logs exceed expected storage quota. Performing age-based cleanup to restore debug logging operations.	Debug logs were deleted to create space	A
SYSMGR_DAEMON_TERMINATED	200020	—	A process terminated	E
SYSMGR_WATCHDOG_EXPIRED	200062	—	The watchdog process expired	A

Priority: Warning

Message	Number	Message Format	Description	Action
SYSMGR_CORE_FILE_DELETED	200044	—	Core file was deleted	A
SYSMGR_DAEMON_RESTART_ABORTED	200060	—	The restarting of a process was terminated.	A
SYSMGR_DAEMON_STOP	200018	Stopping daemon %s @ pid %d. Sending signal %d	System manager stopped a daemon	E
SYSMGR_DISK_ALERT_ORANGE	200054	Disk usage is above 75%%. Please clean up unnecessary files.	Disk usage is above 75%	E
SYSMGR_DISK_ALERT_YELLOW	200035	Disk usage is above 60%%. Please clean up unnecessary files.	Disk usage is above 60%	E
SYSMGR_FILE_DELETED	200064	Deleted file %s (size %lu MB) to recover disk space	File deleted to free up disk space	A
SYSMGR_MEMORY_ALERT_ORANGE	200056	System memory usage is above 75%%	System memory usage is above 75%	E
SYSMGR_MEMORY_ALERT_YELLOW	200057	System memory usage is above 60%%	System memory usage is above 60%	E

Priority: Error

Message	Number	Message Format	Description	Action
SYSMGR_BAUD_RATE_SET	200046	Console baud rate changed to '%d', baud_rate	Console baud rate changed	E
SYSMGR_BAUD_RATE_SET_FAIL	200047	Failed to set console baud rate in OS to '%d'	Failed to set user-specified console baud rate in Linus	A
SYSMGR_BAUD_RATE_SET_FAIL	200047	Failed to set console baud rate in U-boot to '%d'	Failed to set user-specified console baud rate in Uboot	A
SYSMGR_CLOCK_SET_FAIL	200026	Cannot set system clock to %s	Failed to set system clock to time specified by user	A

Message	Number	Message Format	Description	Action
SYSMGR_CONFD_CDB_INIT_OPEN_FAIL	200030	Failed to open cdb init file (%s)	Failed to open the configuration database	A
SYSMGR_DAEMON_EXIT_FAIL	200023	—	A process could not terminate	A
SYSMGR_CONFD_DATACB_REGISTER_FAIL	200010	Failed to register data cb	Failed to register data callback function with confd; device may reboot	A
SYSMGR_CONFD_CDB_DEL_FAIL	200032	Failed to remove cbd directory '%s'	Failed to reinitialize configuration database to recover from failure	AE
SYSMGR_CONFD_FORK_FAILURE	200003	Cannot move confd to phase2 (err %s)	Failed to move confd to Phase 2; device will reboot soon	A
SYSMGR_CONFD_PHASE1_FAILURE	200005	Failed to generate archive keys	Failed to generate keys required for archiving configuration	E
SYSMGR_CONFD_PHASE1_FAILURE	200005	Failed to generate authorized keys on %s, p_sysmgr->cfg.my_personality	Failed to generate keys required for SSH-based login between the Cisco SD-WAN Manager server and the Cisco SD-WAN device	E
SYSMGR_CONFD_PHASE1_FAILURE	200005	Failed to generate SSH keys for archive	Failed to generate SSH keys	E

Message	Number	Message Format	Description	Action
SYSMGR_CONFD_PHASE1_FAILURE	200005	Failed to get install id from file, using 00_00	Failed to read previous system version	A
SYSMGR_CONFD_PHASE1_FAILURE	200005	Failed to get previous version, using 0.0	Failed to read system version	A
SYSMGR_CONFD_PHASE1_FAILURE	200005	Failed to transition confd to phase1. Re-initializing CDB..	Confd module failed to move to Phase 1, indicating a possible configuration database failure; device will reboot soon	A
SYSMGR_CONFD_PHASE1_FAILURE	200005	Verified that archive keys exist	Verified that configuration archive keys exist	A
SYSMGR_CONFD_PHASE2_FAILURE	200006	Failed to get current version, using 0.0	Failed to read system version file	A
SYSMGR_CONFD_PHASE2_FAILURE	200006	Failed to open %s, version_file	Failed to open system version file	A
SYSMGR_CONFD_PHASE2_FAILURE	200006	Failed to read %s, version_file	Failed to read system version file	A
SYSMGR_CONFD_PHASE2_FAILURE	200006	Failed to transition confd to phase2	Confd module failed to move to Phase 2, indicating a possible configuration database failure; device will reboot soon	A

Message	Number	Message Format	Description	Action
SYSMGR_CONFD_REPLY_FAIL	200009	Failed to send oper data reply - %s (%d)	Failed to reply to confd; some **show** commands may not work	A
SYSMGR_CONFD_SETPGID_FAILURE	200004	setpgid(0,0) failed: %d	Process group failed to start	A
SYSMGR_DAEMON_DOWN	200012	Daemon %s [%u] went down in vpn %lu,	Process started by system manager went down	A
SYSMGR_DAEMON_EXECV_FAILURE	200016	execv %s failed	Internal failure occurred while starting a process	A
SYSMGR_DAEMON_FORK_FAILURE	200014	Cannot start daemon %s: %s	Internal failure occurred while starting a process	A
SYSMGR_DAEMON_INACTIVE	200033	Daemon %s[%lu] @ pid %d died. Rebooting device..	System manager detected a process failure and is about to reboot the device	A
SYSMGR_DAEMON_MSGQ_FAILURE	200013	Could not start msgq to daemon %s. err %d	Failed to establish message queue with process; device may reboot soon	A
SYSMGR_DAEMON_MSGQ_FAILURE	200013	Could not start msgq to quagga daemon %s. err %d	Failed to establish message queue with routing process; device may reboot soon	A

Message	Number	Message Format	Description	Action
SYSMGR_DAEMON_SETAFFINITY_FAILURE	200061	—	The scheduling of a process failed	E
SYSMGR_DAEMON_SETPGID_FAILURE	200015	setpgid(0,0) failed	Internal failure setting process group of a process	A
SYSMGR_DAEMON_STOPPED	200019	Daemon %s @ pid %u terminated - %s	Daemon started by system manager terminated; device may reboot soon (except for the Cisco Catalyst SD-WAN Validator)	A
SYSMGR_RTC_CLOCK_SET_FAIL	200027	Cannot set hardware clock to %s - %s (errno	Failed to update hardware clock to system time specified by user	A
SYSMGR_SHM_FAIL	200042	Failed to close shared memory %s with an error %d	Failed to completely and properly close the shared memory for communication with other processes	E
SYSMGR_SHM_FAIL	200042	Failed to map shared memory %s	Failed to initialize shared memory for communication with other processes	E

Message	Number	Message Format	Description	Action
SYSMGR_SHM_FAIL	200042	Failed to open shared memory %s with an error %d	Failed to open shared memory for communication with other processes	E
SYSMGR_SHM_FAIL	200042	Failed to truncate shared memory %s with an error %d	Failed to initialize shared memory for communication with other processes	E
SYSMGR_SHM_FAIL	200042	Failed to unmap shared memory %s	Failed to completely and properly close shared memory for communication with other processes	E
SYSMGR_SWITCHBACK_FAILED	200053	Software upgrade to version %s failed because of %s	Software upgrade failed	A
SYSMGR_TIMEZONE_SET_FAIL	200029	Failed to set system timezone to %s (rc = %d)	Failed to set system timezone to timezone specified by user	A
SYSMGR_TRACE_ERROR	200024	—	A trace error occurred	A

Priority: Critical

Message	Number	Message Format	Description	Action
SYSMGR_CONFD_INIT_FAIL	200008	Sysmgr child in charge of migrating confd/ncs to phase2 exited with error code %d	System manager detected a confd process failure; device may reboot	AE
SYSMGR_DISK_ALERT_RED	200034	Disk usage is above 90%% (critically high). Please clean up unnecessary files.	Disk usage is above 90%	AE

Message	Number	Message Format	Description	Action
SYSMGR_MEMORY_ALERT_RED	200055	System memory usage is above 90%% (critically high)	System memory usage is above 90%	AE
SYSMGR_REBOOT_HALTED	200039	Reboot (reason: %s) terminated...too many reboots	System manager stopped short of rebooting the device because it detected too many reboots in a short period of time	AE
SYSMGR_UPGRADE_FAILED	200052	Software upgrade to version %s failed because of reason	Software upgrade failed	AE

TCPD: TCP Options Process

Priority: Informational

Message	Number	Message Format	Description	Action
TCPD_MSGQ_SERVER	2800002	Server Exception: %s	Proxy server did not accept connection	E
TCPD_PROXY	2800004	Enabled TCP_OPT for vpn %lu: %s:%u %s Starting sysmgr_app object tcpd<->ftmd channel established tcpd<->ftmd = Will try connecting	Messages related to starting a proxy	E
TCPD_PROXY	2800004	tcpd error counters -%s	Count of TCP option errors	E
TCPD_SYSLOG_END	2800001	Terminating TCP options	TCP options process ending	E
TCPD_SYSLOG_START	2899999	Starting TCP options	TCP options process starting	E
TCPD_SYSMGR_APP	2800003	%s Exception: %s %s - Sysmgr app::connect -Exception - %s	Messages related to the connection between the system manager and the TCP proxy process	E

Priority: Debug

Message	Number	Message Format	Description	Action
TCPD_SYSMGR_APP	2800003	%s - Registering for send_hello-msg %s: Sending following register msg Sending msg of length %u %s - Sysmgr app::connect %s - Write %u bytes %s - Wrote register msg %u	Messages related to the connection between the system manager and the TCP proxy process	E

TRACKER: Interface Tracker Process

Priority: Informational

Message	Number	Message Format	Description	Action
TRACKER_SYSLOG_CONN_DOWN	1700003	Connection to %s %s Down	Connection to interface is down	E
TRACKER_SYSLOG_CONN_UP	1700002	Connection to %s %s Up	Connection to interface is up	E
TRACKER_SYSLOG_END	1700001	Terminating	Interface tracker process is ending	E
TRACKER_SYSLOG_START	1799999	Starting	Interface tracker process is starting	E

VCONFD: Cisco Catalyst SD-WAN Configuration Process

Priority: Informational

Message	Number	Message Format	Description	Action
VCONFD_SYSLOG_END	1400001	Terminating	Configuration process is ending	E
TRACKER_SYSLOG_NOTIFICATION	1400002	Notification: %d/%d?%d %d:%d:%d %s severity level: %s hostname: %s system-ip %s process name: %s process id: %s reason: %s	Configuration at specified date and time for a process, with reason	E
TRACKER_SYSLOG_NOTIFICATION	1400002	Notification: %d/%d?%d %d:%d:%d %s severity level: %s hostname: %s system-ip %s status: %s install id: %s message %s	Configuration at specified date and time, with specified status (minor, major)	E

Message	Number	Message Format	Description	Action
TRACKER_SYSLOG_NOTIFICATION	1400002	Notification: %d/%d?%d %d:%d:%d %s severity level: %s hostname: %s system-ip %s reason: %s	Configuration at specified date and time, with reason	E
TRACKER_SYSLOG_NOTIFICATION	1400002	Notification: %d/%d?%d %d:%d:%d %s severity level: %s hostname: %s system-ip %s reboot reason: %s	Configuration at specified date and time, with reboot reason	E
TRACKER_SYSLOG_NOTIFICATION	1400002	Notification: %d/%d?%d %d:%d:%d %s severity level: %s hostname: %s system-ip %s username: %s remote host: %s	Configuration at specified date and time, for username and remote host	E
TRACKER_SYSLOG_NOTIFICATION	1400002	Notification: %d/%d?%d %d:%d:%d %s severity level: %s hostname: %s system-ip %s vpn id: %s if name: %s mac addr: %s ip-addr:%s	Configuration at specified date and time, for VPN, interface, MAC address, and IP address	E
VCONFD_SYSLOG_START	1499999	Starting	Configuration process is starting	E

VDAEMON: Cisco Catalyst SD-WAN Software Process

Priority: Informational

Message	Number	Message Format	Description	Action
VDAEMON_SYSLOG_DOMAIN_ID_CHANGE	500006	System Domain-ID changed from '%d' to '%d',	System domain ID changed	E
VDAEMON_SYSLOG_END	599999	—	Process ending	E
VDAEMON_SYSLOG_ORG_NAME_CHANGE	500008	System Organization-Name changed from '%s' to '%s'	System organization name changed	E
VDAEMON_SYSLOG_PEER_STATE	500003	Peer %s Public-TLOC %s Color %u %s,	Peer state changed to up or down	E
VDAEMON_SYSLOG_SITE_ID_CHANGE	500005	System Site-ID changed from '%d' to '%d'	System site ID changed	E

Message	Number	Message Format	Description	Action
VDAEMON_SYSLOG_START	500001	—	Process starting	E
VDAEMON_SYSLOG_SYSTEM_IP_CHANGE	500007	System-IP changed from '%s' to '%s'	System IP address changed	E

Priority: Error

Message	Number	Message Format	Description	Action
VDAEMON_BOARD_ID_CHALLENGE_FAILED	500002	—	Board ID could not be verified	E
VDAEMON_BOARD_ID_INIT_FAILED	500001	—	Board initialization failed because board ID could not be verified	E
VDAEMON_SYSLOG_CERT_STORE_FAIL	500009	Certificate store init failed	Certificate not stored	AE
VDAEMON_SYSLOG_PEER_AUTH_FAIL	500004	Peer %s Public-TLOC %s Color %u %s	Authentication with a vdaemon peer failed	E
VDAEMON_SYSLOG_PEER_STATE	500003	Failed to read system host name	Internal error reading system hostname; device will not register with the Cisco SD-WAN Manager server or ZTP will fail	A

VRRP: Virtual Router Redundancy Protocol

The VRRP process runs only on Cisco vEdge devices.

Priority: Informational

Message	Number	Message Format	Description	Action
VRRPD_STATE_CHANGE	600002	Group %d, interface %s, vpn %lu state changed to %s	VRRP interface state change	E
VRRPD_SYSLOG_END	699999	Terminating VRRPD	VRRP process is ending	E
VRRPD_SYSLOG_START	600001	Starting VRRPD	VRRP process is starting	E

WLAN: Wireless LAN Process

The wireless LAN process runs only on Cisco vEdge devices.

Priority: Informational

Message	Number	Message Format	Description	Action
WLAN_SYSLOG_END	2300001	Terminating wlan	WLAN process is ending	E
WLAN_SYSLOG_START	2399999	Starting wlan	WLAN process is starting	E

WWAND: Cellular Process

The wireless WAN process runs only on Cisco vEdge devices.

Priority: Informational

Message	Number	Message Format	Description	Action
WWAN_SYSLOG_ADMIN_DWL	2400010	Cellular%d interface is set for deletion	Cellular interface is about to be deleted	E
WWAN_SYSLOG_ADMIN_DOWN	2400009	Cellular%d interface is set to admin down	Cellular interface is administratively Down	E
WWAN_SYSLOG_ADMIN_UP	2400008	Cellular%d interface is set to admin up	Cellular interface is administratively Up	E
WWAN_SYSLOG_CONNECT	2400002	Connected to Cellular%d modem	Connection to cellular modem established	E
WWAN_SYSLOG_CONNECT_DATA	2400006	—	—	E
WWAN_SYSLOG_DATA_MONITOR	2400032	Info: %lld bytes left Info: exceeded by %lld bytes	Information about amount of data remaining in billing cycle	E
WWAN_SYSLOG_DATA_SESSION	2400019	Data session started successfully	Data session on cellular interface started successfully	E
WWAN_SYSLOG_DATA_SESSION_BEARER	2400028	Data bearer changed to %s (%lx)	Data carrier changed	E

Message	Number	Message Format	Description	Action
WWAN_SYSLOG_DATA_SESSION_DISCONNECT	2400023	Data session disconnect: restarting session	Data session was disconnected and is restarting	E
WWAN_SYSLOG_DATA_SESSION_DISC_REASON	2400024	Data session disconnect reason: %s	Reason data session was disconnected	E
WWAN_SYSLOG_DATA_SESSION_DISC_VERB	2400025	Data session disconnect reason verbose: %s	More information about why data session disconnected	E
WWAN_SYSLOG_DATA_SESSION_DOMAIN	2400026	Packet-switched domain state change to %s: registration: %s ran: %s if: %s	Packet-switched domain changed	E
WWAN_SYSLOG_DATA_SESSION_DORMANCY	2400029	Dormancy state changed to %s	Session dormancy state changed	E
WWAN_SYSLOG_DATA_SESSION_NETWORK	2400027	Network registration changed to %s: domain: %s ran: %s if: %s	Network registration changed	E
WWAN_SYSLOG_DATA_SESSION_START	2400018	Starting data session on Cellular%e	Data session on cellular interface is starting	E
WWAN_SYSLOG_DATA_SESSION_STATE	2400020	Data session state changed to %s	Data session status	E
WWAN_SYSLOG_DATA_SESSION_STOP	2400022	Data session stopped successfully	Data session stopped	E
WWAN_SYSLOG_DISCONNECT	2400003	Disconnected LTE modem %d	Disconnection from LTE modem	E
WWAN_SYSLOG_END	2400001	Terminating WWAND	Ending WWAN process	E

Message	Number	Message Format	Description	Action
WWAN_SYSLOG_FIRMWARE	2400007	Failed to get firmware details after upgrade on modem %d Firmware upgrade failed on modem %d Firmware upgrade successful on modem %d Upgrading firmware configuration on modem %d Upgrading firmware image on modem %d	Messages related to firmware upgrade on the cellular modem	E
WWAN_SYSLOG_LR_DOWN	2400012	%s%d: bringing down	Last-resort interface is shutting down	E
WWAN_SYSLOG_LR_UP	2400011	%s%d: bringing up	Last-resort interface is starting	E
WWAN_SYSLOG_MODEM_ACTIVATION	2400039	Modem activation status: %s (%lu)	Modem actual state and status	E
WWAN_SYSLOG_MODEM_PMODE	2400017	Modem is not in online mode Modem is not in online mode (tmp: %s degrees C) Modem power state is: %s (prev: %s) Modem set to %s (prev: %s) Powered off the modem %d	Messages related to modem power mode status	E

Message	Number	Message Format	Description	Action
WWAN_SYSLOG_MODEM_STATE	2400034	Modem device state changed to %s	Modem state changed	E
WWAN_SYSLOG_MODEM_TEMP	2400037	Modem temperature %d degree C: %s	Modem temperature and state	E
WWAN_SYSLOG_MODEM_UP	2400035	WWAN cellular%d modem is back up	Modem reconnected	E
WWAN_SYSLOG_OMA_DM_DONE	2400041	Modem OMA DM configuration completed	Modem OMA-DM configuration finished	E
WWAN_SYSLOG_OPER_DOWN	2400014	Cellular%d set if down	Cellular interface is operationally Down	E
WWAN_SYSLOG_OPER_UP	2400013	Cellular%d set if up	Cellular interface is operationally Up	E
WWAN_SYSLOG_PROFILE_CHECK	2400030	Profile %lu with PDP: %s APN: %s Auth: %s User: %s	Cellular profile information	E
WWAN_SYSLOG_REBOOT	2400040	Cellular%d modem mode updated: rebooting; %s reason	Reason why celluar modem rebooted	E
WWAN_SYSLOG_SDK_DOWN	2400005	SDK got terminated: %s	Connection to software development kit terminated	E
WWAN_SYSLOG_SDK_UP	2400004	Connected to Cellular%d sdk process	Connection to cellular software development kit established	E

Message	Number	Message Format	Description	Action
WWAN_SYSLOG_SIM_STATUS	2400033	SIM status changed to: %s	SIM status changed	E
WWAN_SYSLOG_START	2499999	Starting WWAND	Starting WWAN process	E
WWAN_SYSLOG_TRACK_GW_UP	2400015	Cellular%d gateway %s is reachable	Cellular gateway is reachable	E

Priority: Error

Message	Number	Message Format	Description	Action
WWAN_SYSLOG_AUTO_PROFILE_MISS	2400031	Manually configure APN profile for the data connection	Data session could not start because required APN could not be located	E
WWAN_SYSLOG_MODEM_DOWN	2400036	WWAN cellular%d modem went down	Modem is disconnected	E
WWAN_SYSLOG_MODEM_RESET	2400038	Failed to recover Cellular %d modem	Connection to modem could not be reestablished	E
WWAN_SYSLOG_TRACK_GW_DOWN	2400016	Cellular%d gateway %s is not reachable	Cellular gateway is not reachable	E

UTD Syslogs

The tables below list the syslog messages generated by the following United Threat Defense (UTD) features:

Intrusion Prevention System/Intrusion Detection System

Message	Message Format	Description	Action
IPS Activity	<DATE-TIMESTAMP> [**] [Hostname: <SYSTEM_HOSTNAME>] [**] [System_IP: <SYSTEM_IP_ADDR>] [**] [Instance_ID: <ID_NUM>] [**] <ACTION> [**] [1:21475:4] <DESCRIPTION> [**] [Classification: <CLASSIFICATION_TYPE>] [Priority: <PRIORITY_VALUE>] [VRF: <VRF_ID>] {<PROTOCOL>} <SOURCE_IP_ADDR>:<SOURCE_PORT_NUM> -> <DESTINATION_IP_ADDR>:<DEST_PORT_NUM>	Based on classification the IPS alert or drop action is done which is indicated in the log message.	Alert / Drop

URL Filtering

Message	Message Format	Action
UTD WebFilter Whitelist	<DATE-TIMESTAMP> [**] [Hostname: <HOSTNAME_VALUE>] [**] [System_IP: <SYSTEM_IP_ADDR>] [**] [Instance_ID: <ID_NUM>] [**] Pass [**] UTD WebFilter Whitelist [**] [URL: <URL>] [VRF: <VRF_ID>] {<PROTOCOL>} <SOURCE_IP_ADDR>> -> <DESTINATION_IP_ADDR>:<PORT_NUM>	Pass
UTD WebFilter Blacklist	<DATE-TIMESTAMP> [**] [Hostname: <HOSTNAME_VALUE>] [**] [System_IP: <SYSTEM_IP_ADDR>] [**] [Instance_ID: <ID_NUM>] [**] Drop [**] UTD WebFilter Blacklist [**] [URL: <URL>] [VRF: <VRF_ID>] {<PROTOCOL>} <SOURCE_IP_ADDR>> -> <DESTINATION_IP_ADDR>:<PORT_NUM>	Drop
UTD WebFilter Category/Reputation	<DATE-TIMESTAMP> [**] [Hostname: <HOSTNAME_VALUE>] [**] [System_IP: <SYSTEM_IP_ADDR>] [**] [Instance_ID: <ID_NUM>] [**] Drop [**] UTD WebFilter Category/Reputation [**] [URL: <URL>] ** [Category: <CATEGORY_NAME>] ** [Reputation: <REP_SCORE>] [VRF: <VRF_ID>] {<PROTOCOL>} <SOURCE_IP_ADDR>> -> <DESTINATION_IP_ADDR>:<PORT_NUM>	Drop

TLS Decryption

Message	Message Format	Action
UTD TLS Decryption Whitelist	<DATE-TIMESTAMP> [**] [Hostname: <HOSTNAME_VALUE>] [**] [System_IP: <SYSTEM_IP_ADDR>] [**] [Instance_ID: <ID_NUM>] [**] Never-Decrypt [**] UTD TLS Decryption Whitelist [**] [URL: <URL>] [VRF: <VRF_ID>] {<PROTOCOL>} <SOURCE_IP_ADDR> -> <DESTINATION_IP_ADDR>:<PORT_NUM>	Never-Decrypt
UTD TLS Decryption Graylist	<DATE-TIMESTAMP> [**] [Hostname: <HOSTNAME_VALUE>] [**] [System_IP: <SYSTEM_IP_ADDR>] [**] [Instance_ID: <ID_NUM>] [**] Skip-Decrypt [**] UTD TLS Decryption Graylist [**] [URL: <URL>] [VRF: <VRF_ID>] {<PROTOCOL>} <SOURCE_IP_ADDR> -> <DESTINATION_IP_ADDR>:<PORT_NUM>	Skip-Decrypt
UTD TLS Decryption Blacklist	<DATE-TIMESTAMP> [**] [Hostname: <HOSTNAME_VALUE>] [**] [System_IP: <SYSTEM_IP_ADDR>] [**] [Instance_ID: <ID_NUM>] [**] Decrypt [**] UTD TLS Decryption Blacklist [**] [URL: <URL>] [VRF: <VRF_ID>] {<PROTOCOL>} <SOURCE_IP_ADDR> -> <DESTINATION_IP_ADDR>:<PORT_NUM>	Decrypt

Message	Message Format	Action
UTD TLS Decryption Category Never-Decrypt	<DATE-TIMESTAMP> [**] [Hostname: <HOSTNAME_VALUE>] [**] [System_IP: <SYSTEM_IP_ADDR>] [**] [Instance_ID: <ID_NUM>] [**] Never-Decrypt [**] UTD TLS Decryption Category Never-Decrypt [**] [URL: <URL>] ** [Category: <SSL_CATEGORY_NAME>] ** [Reputation: <REP_SCORE>] [VRF: <VRF_ID>] {<PROTOCOL>} <SOURCE_IP_ADDR> -> <DESTINATION_IP_ADDR>:<PORT_NUM>	Never-Decrypt
UTD TLS Decryption Reputation Decrypt	<DATE-TIMESTAMP> [**] [Hostname: <HOSTNAME_VALUE>] [**] [System_IP: <SYSTEM_IP_ADDR>] [**] [Instance_ID: <ID_NUM>] [**] Decrypt [**] UTD TLS Decryption Reputation Decrypt [**] [URL: <URL>] ** [Category: <SSL_CATEGORY_NAME>] ** [Reputation: <REP_SCORE>] [VRF: <VRF_ID>] {<PROTOCOL>} <SOURCE_IP_ADDR> -> <DESTINATION_IP_ADDR>:<PORT_NUM>	Decrypt
UTD TLS Decryption Reputation Skip-Decrypt	<DATE-TIMESTAMP> [**] [Hostname: <HOSTNAME_VALUE>] [**] [System_IP: <SYSTEM_IP_ADDR>] [**] [Instance_ID: <ID_NUM>] [**] Skip-Decrypt [**] UTD TLS Decryption Reputation Skip-Decrypt [**] [URL: <URL>] ** [Category: <SSL_CATEGORY_NAME>] ** [Reputation: <REP_SCORE>] [VRF: <VRF_ID>] {<PROTOCOL>} <SOURCE_IP_ADDR> -> <DESTINATION_IP_ADDR>:<PORT_NUM>	Skip-Decrypt
UTD TLS Decryption Category Decrypt	<DATE-TIMESTAMP> [**] [Hostname: <HOSTNAME_VALUE>] [**] [System_IP: <SYSTEM_IP_ADDR>] [**] [Instance_ID: <ID_NUM>] [**] Decrypt [**] UTD TLS Decryption Category Decrypt [**] [URL: <URL>] ** [Category: <SSL_CATEGORY_NAME>] ** [Reputation: <REP_SCORE>] [VRF: <VRF_ID>] {<PROTOCOL>} <SOURCE_IP_ADDR> -> <DESTINATION_IP_ADDR>:<PORT_NUM>	Decrypt
UTD TLS Decryption Category Skip-Decrypt	<DATE-TIMESTAMP> [**] [Hostname: <HOSTNAME_VALUE>] [**] [System_IP: <SYSTEM_IP_ADDR>] [**] [Instance_ID: <ID_NUM>] [**] Skip-Decrypt [**] UTD TLS Decryption Category Skip-Decrypt [**] [URL: <URL>] ** [Category: <SSL_CATEGORY_NAME>] ** [Reputation: <REP_SCORE>] [VRF: <VRF_ID>] {<PROTOCOL>} <SOURCE_IP_ADDR> -> <DESTINATION_IP_ADDR>:<PORT_NUM>	Skip-Decrypt

AMP File Inspection

Message	Message Format	Action
Clean File Signature	<DATE-TIMESTAMP> [**] [Hostname: <SYSTEM_HOSTNAME>] [**] [System_IP: <SYSTEM_IP_ADDR>] [**] [Instance_ID: <instance_id>] [**] Allow [**] UTD AMP DISPOSITION CLEAN [**] SHA: <SHA_VALUE> Malware: None Filename: <FILENAME> Filetype: <FILETYPE> [VRF: <VRF_ID>] {<PROTOCOL>} <SOURCE_IP_ADDR>:<PORT_NUM> -> <DESTINATION_IP_ADDR>: <PORT_NUM>	Allow

Message	Message Format	Action
Unknown File Signature	<DATE-TIMESTAMP> [**] [Hostname: <SYSTEM_HOSTNAME>] [**] [System_IP: <SYSTEM_IP_ADDR>] [**] [Instance_ID: <instance_id>] [**] Allow [**] UTD AMP DISPOSITION UNKNOWN [**] SHA: <SHA_VALUE> Malware: None Filename: <FILENAME> Filetype: <FILETYPE> [VRF: <VRF_ID>] {<PROTOCOL>} <SOURCE_IP_ADDR>:<PORT_NUM> -> <DESTINATION_IP_ADDR>: <PORT_NUM>	Allow
Malicious File Signature	<DATE-TIMESTAMP> [**] [Hostname: <SYSTEM_HOSTNAME>] [**] [System_IP: <SYSTEM_IP_ADDR>] [**] [Instance_ID: <instance_id>] [**] Allow [**] UTD AMP DISPOSITION MALICIOUS [**] SHA: <SHA_VALUE> Malware: None Filename: <FILENAME> Filetype: <FILETYPE> [VRF: <VRF_ID>] {<PROTOCOL>} <SOURCE_IP_ADDR>:<PORT_NUM> -> <DESTINATION_IP_ADDR>: <PORT_NUM>	Drop

Threatgrid

Message	Message Format	Action
Retro Clean	<DATE-TIMESTAMP> [**] Allow [**] UTD AMP RETRO CLEAN [**] SHA: <SHA_VALUE> Malware: None Filename: <FILENAME> Filetype: <FILETYPE>	Allow
Retro Unknown	<DATE-TIMESTAMP> [**] Allow [**] UTD AMP RETRO UNKNOWN [**] SHA: <SHA_VALUE> Malware: None Filename: <FILENAME> Filetype: <FILETYPE>	Allow
Retro Malicious	<DATE-TIMESTAMP> [**] Drop [**] UTD AMP RETRO MALICIOUS [**] SHA: <SHA_VALUE> Malware: None Filename: <FILENAME> Filetype: <FILETYPE>	Drop
Retro Error	<DATE-TIMESTAMP> [**] Error [**] UTD AMP RETRO ERROR [**] SHA: <SHA_VALUE> Malware: None Filename: <FILENAME> Filetype: <FILETYPE>	Error
File Upload Fail	<DATE-TIMESTAMP> [**] Unknown [**] TG FILE UPLOAD FAILED [**] SHA: <SHA_VALUE> Malware: None Filename: <FILENAME> Filetype: <FILETYPE>	Unknown
File Upload Success	<DATE-TIMESTAMP> [**] Unknown [**] TG FILE UPLOAD SUCCESS [**] SHA: <SHA_VALUE> Malware: None Filename: <FILENAME> Filetype: <FILETYPE>	Unknown
File Upload Not interesting	<DATE-TIMESTAMP> [**] Unknown [**] TG FILE UPLOAD NOT INTERESTING [**] SHA: <SHA_VALUE> Malware: None Filename: <FILENAME> Filetype: <FILETYPE>	Unknown
File Upload Limit Reached	<DATE-TIMESTAMP> [**] Unknown [**] TG FILE UPLOAD LIMIT REACHED [**] SHA: <SHA_VALUE> Malware: None Filename: <FILENAME> Filetype: <FILETYPE>	Unknown

Message	Message Format	Action
File Upload API Key Invalid	<DATE-TIMESTAMP> [**] Unknown [**] TG FILE UPLOAD APIKEY INVALID [**] SHA: <SHA_VALUE> Malware: None Filename: <FILENAME> Filetype: <FILETYPE>	Unknown
File Upload Internal Error	<DATE-TIMESTAMP> [**] Unknown [**] TG FILE UPLOAD INT ERROR [**] SHA: <SHA_VALUE> Malware: None Filename: <FILENAME> Filetype: <FILETYPE>	Unknown
File Upload System Error	<DATE-TIMESTAMP> [**] Unknown [**] TG FILE UPLOAD SYS ERROR [**] SHA: <SHA_VALUE> Malware: None Filename: <FILENAME> Filetype: <FILETYPE>	Unknown
File Upload Not Supported	<DATE-TIMESTAMP> [**] Unknown [**] TG FILE UPLOAD NOT SUPPORTED [**] SHA: <SHA_VALUE> Malware: None Filename: <FILENAME> Filetype: <FILETYPE>	Unknown
File Upload Whitelisted	<DATE-TIMESTAMP> [**] Unknown [**] TG FILE UPLOAD WHITELISTED [**] SHA: <SHA_VALUE> Malware: None Filename: <FILENAME> Filetype: <FILETYPE>	Unknown

Permanent Alarms and Alarm Fields

Note From Cisco IOS XE Catalyst SD-WAN Release 17.13.1a, the **Controllers** tab is renamed as **Control Components** for consistency with Cisco Catalyst SD-WAN terminology.

Use the Alarms screen to display detailed information about alarms generated by control components and routers in the overlay network.

For more details, see Alarms section.