

encapsulation (Logical Interface)

Syntax	encapsulation (atm-ccc-cell-relay atm-ccc-vc-mux atm-tcc-vc-mux atm-cisco-nlpid tm-mlppp-llc atm-nlpid atm-ppp-llc atm-ppp-vc-mux atm-snap atm-tcc-snap atm-vc-mux ether-over-atm-llc ether-vpls-over-atm-llc frame-relay-ccc frame-relay-ppp frame-relay-tcc gre-fragmentation multilink-frame-relay-end-to-end multilink-ppp vlan-ccc vlan-ccc vlan-vpls);
Hierarchy Level	[edit interfaces <i>interface-name</i> unit <i>logical-unit-number</i>], [edit logical-systems <i>logical-system-name</i> interfaces <i>interface-name</i> unit <i>logical-unit-number</i>]
Release Information	Statement introduced before JUNOS Release 7.4.
Description	Logical link-layer encapsulation type.
Options	<p>atm-ccc-cell-relay—Use ATM cell-relay encapsulation.</p> <p>atm-ccc-vc-mux—Use ATM VC multiplex encapsulation on circuit cross-connect (CCC) circuits. When you use this encapsulation type, you can configure the family <code>ccc</code> only.</p> <p>atm-cisco-nlpid—Use Cisco ATM NLPID encapsulation. When you use this encapsulation type, you can configure the family <code>inet</code> only.</p> <p>atm-mlppp-llc—For ATM2 IQ interfaces only, use Multilink PPP over ATM adaptation layer 5 (AAL5) logical link control (LLC). For this encapsulation type, your router must be equipped with a Link Services PIC.</p> <p>atm-nlpid—Use ATM NLPID encapsulation. When you use this encapsulation type, you can configure the family <code>inet</code> only.</p> <p>atm-ppp-llc—For ATM2 IQ interfaces only, use PPP over ATM adaptation layer 5 (AAL5) logical link control (LLC) encapsulation.</p> <p>atm-ppp-vc-mux—For ATM2 IQ interfaces only, use PPP over ATM adaptation layer 5 (AAL5) multiplex encapsulation.</p> <p>atm-snap—Use ATM SNAP encapsulation.</p> <p>atm-tcc-snap—Use ATM SNAP encapsulation on translational cross-connect (TCC) circuits.</p> <p>atm-tcc-vc-mux—Use ATM VC multiplex encapsulation on translational cross-connect (TCC) circuits. When you use this encapsulation type, you can configure the family <code>tcc</code> only.</p> <p>atm-vc-mux—Use ATM VC multiplex encapsulation. When you use this encapsulation type, you can configure the family <code>inet</code> only.</p>

ether-over-atm-llc—For interfaces that carry IPv4 traffic, use Ethernet over ATM LLC encapsulation. When you use this encapsulation type, you cannot configure multipoint interfaces.

ether-vpls-over-atm-llc—For ATM intelligent queuing interfaces only, use the Ethernet VPLS over ATM LLC encapsulation to bridge Ethernet interfaces and ATM interfaces over a VPLS routing instance (as described in RFC 2684). Packets from the ATM interfaces are converted to standard ENET2/802.3 encapsulated Ethernet frames with the FCS field removed.

frame-relay-ccc—Use Frame Relay encapsulation on CCC circuits. When you use this encapsulation type, you can configure the family **ccc** only.

frame-relay-ppp—Use Frame Relay encapsulation on PPP circuits.

frame-relay-tcc—Use Frame Relay encapsulation on TCC circuits for connecting unlike media. When you use this encapsulation type, you can configure the family **tcc** only.

gre-fragmentation—For adaptive services interfaces only, use GRE fragmentation encapsulation to enable fragmentation of IPv4 packets in GRE tunnels. This encapsulation clears the don't fragment (DF) bit in the packet header. If the packet's size exceeds the tunnel's maximum transmission unit (MTU) value, the packet is fragmented before encapsulation.

multilink-frame-relay-end-to-end—Use Multilink Frame Relay (MLFR) FRF.15 encapsulation. This encapsulation is used only on multilink and link services interfaces and their constituent T1 or E1 interfaces.

multilink-ppp—Use Multilink Point-to-Point Protocol (MLPPP) encapsulation. This encapsulation is used only on multilink and link services interfaces and their constituent T1 or E1 interfaces.

vlan-ccc—Use Ethernet virtual local area network (VLAN) encapsulation on CCC circuits. When you use this encapsulation type, you can configure the family **ccc** only.

vlan-tcc—Use Ethernet VLAN encapsulation on TCC circuits. When you use this encapsulation type, you can configure the family **tcc** only.

vlan-vpls—Use Ethernet VLAN encapsulation on virtual private LAN service (VPLS) circuits.

Required Privilege Level interface—To view this statement in the configuration.
interface-control—To add this statement to the configuration.

- Related Topics**
- Configuring the CCC Encapsulation for Layer 2 Switching Cross-Connects
 - Configuring MPLS LSP Tunnel Cross-Connects Using CCC
 - Configuring the Encapsulation for Layer 2 Switching TCCs
 - *JUNOS Network Interfaces Configuration Guide*

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