

family

Syntax family *family* {
 accounting {
 destination-class-usage;
 source-class-usage {
 (input | output | input output);
 }
 }
 address *address* {
 ... *the address subhierarchy appears after the main* [edit interfaces *interface-name*
 unit *logical-unit-number* family *family-name*] *hierarchy* ...
 }
 bridge-domain-type (bvlan | svlan);
 bundle *interface-name*;
 core-facing;
 demux-destination {
 destination-prefix;
 }
 demux-source {
 source-prefix;
 }
 filter {
 group *filter-group-number*;
 input *filter-name*;
 input-list [*filter-names*];
 output *filter-name*;
 output-list [*filter-names*];
 }
 interface-mode (access | trunk);
 ipsec-sa *sa-name*;
 isid-list (interfaces) all-service-groups;
 keep-address-and-control;
 mac-validate (loose | strict);
 mtu *bytes*;
 multicast-only;
 negotiate-address;
 no-redirects;
 policer {
 arp *policer-template-name*;
 input *policer-template-name*;
 output *policer-template-name*;
 }
 primary;
 protocols [inet iso mpls];
 proxy inet-address *address*;
 receive-options-packets;
 receive-ttl-exceeded;
 remote (inet-address *address* | mac-address *address*);
 rpf-check {
 fail-filter *filter-name*
 mode loose;
 }
}

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sampling {
  input;
  output;
}
service {
  input {
    post-service-filter filter-name;
    service-set service-set-name <service-filter filter-name>;
  }
  output {
    service-set service-set-name <service-filter filter-name>;
  }
}
(translate-discard-eligible | no-translate-discard-eligible);
(translate-fecn-and-becn | no-translate-fecn-and-becn);
unnumbered-address interface-name destination address
  destination-profile profile-name;
vlan-id number;
vlan-id-list [number number-number];
address address {
  arp ip-address (mac | multicast-mac) mac-address <publish>;
  broadcast address;
  destination address;
  destination-profile name;
  eui-64;
  master-only;
  multipoint-destination address dcli dcli-identifier;
  multipoint-destination address {
    epd-threshold cells;
    inverse-arp;
    oam-liveness {
      up-count cells;
      down-count cells;
    }
  }
  oam-period (disable | seconds);
  shaping {
    (cbr rate | rtvbr burst length peak rate sustained rate | vbr burst length peak rate
      sustained rate);
    queue-length number;
  }
  vci vpi-identifier.vci-identifier;
}
preferred;
primary;
(vrrp-group | vrrp-inet6-group) group-number {
  (accept-data | no-accept-data);
  advertise-interval seconds;
  authentication-type authentication;
  authentication-key key;
  fast-interval milliseconds;
  (preempt | no-preempt) {
    hold-time seconds;
  }
  priority number;
  track {
    interface interface-name {

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        bandwidth-threshold bits-per-second priority-cost number;
    }
    priority-hold-time seconds;
    route ip-address/prefix-length routing-instance instance-name priority-cost cost;
}
virtual-address [ addresses ];
virtual-link-local-address ipv6-address;
vrrp-inherit-from {
    active-interface interface-name;
    active-group group-number;
}
}
}
}

```

Hierarchy Level [edit interfaces *interface-name* unit *logical-unit-number*],
[edit logical-systems *logical-system-name* interfaces *interface-name* unit *logical-unit-number*]

Release Information Statement introduced before JUNOS Release 7.4.

Description Configure protocol family information for the logical interface.

Options *family*—Protocol family:

- *any*—Protocol-independent family used for Layer 2 packet filtering
- *bridge*—(M Series and T Series routers only) Configure only when the physical interface is configured with **ethernet-bridge** type encapsulation or when the logical interface is configured with **vlan-bridge** type encapsulation
- *ccc*—Circuit cross-connect protocol suite
- *inet*—Internet Protocol version 4 suite
- *inet6*—Internet Protocol version 6 suite
- *iso*—International Organization for Standardization Open Systems Interconnection (ISO OSI) protocol suite
- *mlfr-end-to-end*—Multilink Frame Relay FRF.15
- *mlfr-uni-nni*—Multilink Frame Relay FRF.16
- *multilink-ppp*—Multilink Point-to-Point Protocol
- *mpls*—Multiprotocol Label Switching (MPLS)
- *tcc*—Translational cross-connect protocol suite
- *tnp*—Trivial Network Protocol
- *vpls*—(M Series and T Series routers only) Virtual private LAN service

The remaining statements are explained separately.

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

- Related Topics**
- Configuring the Protocol Family
 - Example: Configuring E-LINE and E-LAN Services for a PBB Network on MX series Routers
 - *Junos Services Interfaces Configuration Guide*

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