



network (bonded interfaces)

Element Software

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network (bonded interfaces)

The network (bonded interfaces) object contains configuration information for bonded network interfaces on a storage node. You can use the `GetConfig` and `GetNetworkConfig` methods to obtain this information for a storage node.

Object members

This object contains the following members:

Name	Description	Type
address	The IPv4 address assigned to this interface on the node.	string
addressV6	The IPv6 management address assigned to the Bond1G interface on the node.	string
bond-downdelay	Time to wait before disabling a slave after a link failure has been detected.	string
bond-fail_over_mac	The configuration of the MAC address of the network interface.	string
bond-miimon	How often the MII link state is inspected for link failures.	integer
bond-mode	The bonding mode. Possible values: <ul style="list-style-type: none">• ActivePassive (Default)• ALB• LACP (Recommended)	string
bond-primary_reselect	Specifies when the primary bond slave is chosen as the active slave. Possible values: <ul style="list-style-type: none">• Always• Better• Failure	string
bond-slaves	The list of slave interfaces for the bond.	string

bond-lacp_rate	When Bond Mode is LACP, the rate may change to one of the following: <ul style="list-style-type: none"> • LACP Fast (Default) • LACP Slow 	integer
bond-updelay	The time to wait before enabling a slave after a link is detected.	integer
dns-nameservers	A list of addresses used for domain name services, separated by comma or space.	string
dns-search	A space or comma separated list of DNS search domains.	string
family	Address family that the interface is configured to use. Currently "inet" for IPv4 is supported.	string
gateway	The IPv4 router network address used to send traffic from the local network.	string
gatewayV6	The IPv6 router network address used to send traffic from the local Bond1G network.	string
ipV6PrefixLength	The subnet prefix length for static routes of type "net" for IPv6 traffic on the Bond1G network.	string
macAddress	The actual MAC address assigned to the interface and observed by the network.	string
macAddressPermanent	The immutable MAC address assigned by the manufacturer to the interface.	string

method	<p>The method used to configure the interface. Possible values:</p> <ul style="list-style-type: none"> • Loopback: Used to define the IPv4 loopback interface. • manual: Used to define interfaces that are not configured automatically. • dhcp: Can be used to obtain an IP address via DHCP. • static: Used to define Ethernet interfaces with statically allocated IPv4 addresses. 	string
mtu	<p>The largest packet size (in bytes) that the interface can transmit. Must be greater than or equal to 1500; up to 9000 is supported.</p>	string
netmask	<p>The bitmask that specifies the subnet for the interface.</p>	string
network	<p>Indicates where the IP address range begins based on the netmask.</p>	string
routes	<p>Comma separated array of route strings to apply to the routing table.</p>	string array
status	<p>The state of the interface. Possible values:</p> <ul style="list-style-type: none"> • Down: The interface is inactive. • Up: The interface is ready, but has no link. • UpAndRunning: The interface is ready and a link is established. 	string
symmetricRouteRules	<p>The symmetric routing rules configured on the node.</p>	string array
upAndRunning	<p>Indicates if the interface is ready and has a link.</p>	boolean
virtualNetworkTag	<p>The virtual network identifier of the interface (VLAN tag).</p>	string

Member modifiability and node states

This table indicates whether or not the object parameters can be modified at each possible node state.

Member name	Available state	Pending state	Active state
address	Yes	Yes	No
addressV6	Yes	Yes	No
bond-downdelay	Configured by the system	N/A	N/A
bond-fail_over_mac	Configured by the system	N/A	N/A
bond-miimon	Configured by the system	N/A	N/A
bond-mode	Yes	Yes	Yes
bond-primary_reselect	Configured by the system	N/A	N/A
bond-slaves	Configured by the system	N/A	N/A
bond-lacp_rate	Yes	Yes	Yes
bond-updelay	Configured by the system	N/A	N/A
dns-nameservers	Yes	Yes	Yes
dns-search	Yes	Yes	Yes
family	No	No	No
gateway	Yes	Yes	Yes
gatewayV6	Yes	Yes	Yes
ipV6PrefixLength	Yes	Yes	Yes
macAddress	Configured by the system	N/A	N/A
macAddressPermanent	Configured by the system	N/A	N/A
method	No	No	No
mtu	Yes	Yes	Yes

netmask	Yes	Yes	Yes
network	No	No	No
routes	Yes	Yes	Yes
status	Yes	Yes	Yes
symmetricRouteRules	Configured by the system	N/A	N/A
upAndRunning	Configured by the system	N/A	N/A
virtualNetworkTag	Yes	Yes	Yes

Find more information

- [GetConfig](#)
- [GetNetworkConfig](#)

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