



XML Support for BNG Features

Most BNG features, such as AAA, DHCP, Policy Plane, PPPoE, DAPS, and Subscriber Database support XML based router configuration. The Cisco XML API can be used to configure routers or request information about configuration, management, and operation of the routers. For details about using the Cisco XML API, see the latest release of *Cisco IOS XR XML API Guide* listed at http://www.cisco.com/en/US/products/ps9853/products_programming_reference_guides_list.html.

The Cisco XML API uses XML commands to configure the router. The following sections list the supported XML commands for the BNG features.

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AAA XML Support

The support for XML is available for RADIUS that retrieves the accounting and authorization request statistics. The mapping between CLI and XML entries for the AAA commands are as follows:

CLI	XML
radius-server dead-criteria time	AAA.RADIUS. DeadCriteria.Time
radius-server dead-criteria tries	AAA.RADIUS. DeadCriteria.Tries
radius-server ipv4 dscp <value>	AAA.RADIUS. IPv4.DSCP
radius-server key {0 7 LINE}	AAA.RADIUS.Key
radius-server retransmit <limit>	AAA.RADIUS.Retransmit

CLI	XML
radius-server timeout <number>	AAA.RADIUS.Timeout
radius-server source-port extended	AAA.RADIUS.SourcePort.Extended
radius-server deadtime	AAA.RADIUS.DeadTime
radius-server load-balance method least-outstanding	AAA.RADIUS.LoadBalance.Method.LeastOutstanding
radius-server attribute list <attribute-name>	AAA.RADIUS.AttributeListTable.AttributeList.Enable
radius-server attribute list <attribute-name> attribute <radius-attributes>	AAA.RADIUS.AttributeListTable.AttributeList.Attribute
radius-server vsa attribute ignore unknown	AAA.RADIUS.VSA.Attribute.Ignore.Unknown
Radius-server host <> retransmit	AAA.RADIUS.HostTable.Host.Retransmit
Radius-server host <> timeout	AAA.RADIUS.HostTable.Host.Timeout
radius-server host <> key {0 7 LINE}	AAA.RADIUS.HostTable.Host.Key
aaa server radius dynamic-author client <ip-address> vrf <vrf-name> server-key {0 7 LINE}	AAA.RADIUS.DynamicAuthorization.ClientTable.Client.ServerKey
aaa server radius dynamic-author ignore {server key session key }	AAA.RADIUS.DynamicAuthorization.Ignore
aaa server radius dynamic-author port <port num>	AAA.RADIUS.DynamicAuthorization.Port

CLI	XML
aaa accounting system default start-stop [broadcast] {group {radius NAME1}} [group NAME2..] aaa accounting system rp-failover default start-stop [broadcast] {group {radius NAME1}} [group NAME2..	AAA.AccountingTable.Accounting
aaa radius attribute nas-port-id format FORMAT_NAME	AAA.RADIUSAttribute.NASPortID.Format
aaa group server radius <group-name> { authorization } { reply reject} <name>	AAA.ServerGroups.RADIUSServerGroupTable.RADIUSServerGroup.Authorization.Reply
aaa group server radius <group-name> { authorization } { accept request } <name>	AAA.ServerGroups.RADIUSServerGroupTable.RADIUSServerGroup.Authorization.Request
aaa group server radius <group-name> { accounting } { accept request} <name>	AAA.ServerGroups.RADIUSServerGroupTable.RADIUSServerGroup.Accounting.Request
aaa group server radius <group-name> { accounting } { reply reject} <name>	AAA.ServerGroups.RADIUSServerGroupTable.RADIUSServerGroup.Accounting.Reply
aaa group server radius <group-name> load-balance	AAA.ServerGroups.RADIUSServerGroupTable.RADIUSServerGroup.LoadBalance.Method.LeastBounding

CLI	XML
method least-bounding	
aaa group server radius group1 source-interface	AAA.ServerGroups.RADIUSServerGroupTable.RADIUSServerGroup.SourceInterface
aaa group server radius <radius-group> vrf <>	AAA.ServerGroups.RADIUSServerGroupTable.RADIUSServerGroup.VRF
aaa group server radius <radius-group> deadtime <>	AAA.ServerGroups.RADIUSServerGroupTable.RADIUSServerGroup.DeadTime
aaa group server radius <> server-private <host>	AAA.ServerGroups.RADIUSGroupTable.RADIUSGroup.PrivateServerTable.PrivateServer
show radius accounting	RADIUS.Accounting
show radius authentication	RADIUS.Authentication
show radius client	RADIUS.Client
show radius dynamic-author	RADIUS.DynamicAuthorization
show radius dead-criteria host <ip>	RADIUS.DeadCriteria.HostTable.Host
show radius server-groups	RADIUS.ServerGroups

DHCP XML Support

The support for XML is available for DHCP that retrieves the client bindings, profile information, and DHCPv4 proxy statistics. It allows the management clients to perform client bindings based on Circuit-ID, Remote-ID, Mac-Address, user profile information, and DHCPv4 proxy statistics. The mapping between CLI and XML entries for the DHCP commands are as follows:

CLI	XML
dhcp ipv4 profile <name> proxy relay information check	DHCPv4.ProfileTable.Profile.Proxy.RelayInformation.Check

CLI	XML
dhcp ipv4 profile <name>proxy relay information option[vpn allow-untrusted remote-id <name>]	DHCPv4.ProfileTable.Profile.Proxy.RelayInformation.AllowUntrusted DHCPv4.ProfileTable.Profile.Proxy.RelayInformation.VPN DHCPv4.ProfileTable.Profile.Proxy.RelayInformation.RemoteID
dhcp ipv4 interface GigabitEthernet <interface-name> proxy profile <name>	DHCPv4.InterfaceTable.Interface.Proxy.Profile
dhcp ipv4 profile <name>proxy relay information policy [drop keep replace]	DHCPv4.ProfileTable.Profile.Proxy.RelayInformation.Policy
dhcp ipv4 profile <name>proxy helper-address [vrf <name>] <server-ip-addr> [giaddr <ip-addr>]	DHCPv4.ProfileTable.Profile.Proxy.VRFTable.VRF.HelperAddressTable.HelperAddress
dhcp ipv4 profile <name> proxy broadcast-flag policy check	DHCPv4.ProfileTable.Profile.Proxy.BroadcastFlag.Policy
dhcp ipv4 profile <name>proxy class <class-name> helper-address [vrf <name>] <server-ip-addr> [giaddr <ip-addr>] match vrf <name> match option [124 125 60 77] hex <value> [mask <value>]	DHCPv4.ProfileTable.Profile.Proxy.ClassTable.Class DHCPv4.ProfileTable.Profile.Proxy.ClassTable.Class.VRFTable.VRF.HelperAddressTable.HelperAddress DHCPv4.ProfileTable.Profile.Proxy.ClassTable.Class.Match.VRF DHCPv4.ProfileTable.Profile.Proxy.ClassTable.Class.Match.Option
dhcp ipv4 interface <interface> none	DHCPv4.InterfaceTable.Interface.None

CLI	XML
dhcp ipv4 interface <interface> proxy [information option format-type circuit-id <cir-id>]	DHCPv4.InterfaceTable.Interface.Proxy.CircuitID
dhcp ipv4 vrf vrfname proxy profile <name>	DHCPv4.VRFTable.VRF
show dhcp ipv4 proxy binding circuit-id <cid> location <locationSpecifier>	DHCPv4.NodeTable.Node.Proxy.Binding.ClientTable[DHCPv4ProxyCircuitIDFilter (Naming C
show dhcp ipv4 proxy binding remote-id <rid> location <locationSpecifier>	DHCPv4.NodeTable.Node.Proxy.Binding.ClientTable[DHCPv4ProxyRemoteIDFilter (Naming Re
show dhcp ipv4 proxy binding interface <ifSpecifier>	DHCPv4.NodeTable.Node.Proxy.Binding.ClientTable[DHCPv4ProxyInterfaceFilter (Naming Int
show dhcp ipv4 proxy binding mac-address <addr> location <locationSpecifier>	DHCPv4.NodeTable.Node.Proxy.Binding.ClientTable[DHCPv4ProxyMACAddressFilter (Naming
show dhcp ipv4 proxy binding location <locationSpecifier>	DHCPv4.NodeTable.Node.Proxy.Binding.ClientTable[DHCPv4ProxyBriefFilter]
show dhcp ipv4 proxy binding detail location <locationSpecifier>	DHCPv4.NodeTable.Node.Proxy.Binding.ClientTable.Client
show dhcp ipv4 proxy binding summary location <locationSpecifier>	DHCPv4.NodeTable.Node.Proxy.Binding.Summary
show dhcp ipv4 proxy binding vrf <vrfname>	DHCPv4.NodeTable.Node.Proxy.Binding.ClientTable[DHCPv4PProxyVRFFilter (Naming VRFName

CLI	XML
show dhcp ipv4 proxy profile name <profile-name> location <locationSpecifier>	DHCPv4.NodeTable.Node.Proxy.ProfileTable.Profile
show dhcp vrf <name> ipv4 proxy statistics location <locationSpecifier>	DHCPv4.NodeTable.Node.Proxy.VRFTable.VRF.Statistics
show dhcp ipv4 proxy statistics [location < loc >]	DHCPv4.NodeTable.Node.Proxy.Statistics

Control Policy XML Support

The support for XML is available for policy plane that retrieves subscriber management and subscriber session related information. The mapping between CLI and XML entries for the control policy commands are as follows:

CLI	XML
interface <intf> service-policy type control subscriber <policy-name>	InterfaceConfigurationTable.InterfaceConfiguration.ControlSubscriber.ServicePolicy
sh sub sess all loc <loc>	Subscriber.Session.NodeTable.Node.SessionTable
sh sub sess all detail loc <loc>	Subscriber.Session.NodeTable.Node.SessionTable(SubscriberDetailAllSessionFilter)
sh sub sess all summary loc <loc>	Subscriber.Session.NodeTable.Node.Summary
sh sub sess all username loc <loc>	Subscriber.Session.NodeTable.Node.SessionTable(SubscriberAllUsernameFilter)
sh sub sess filter interface	Subscriber.Session.NodeTable.Node.SessionTable(SubscriberInterfaceBriefFilter) {Naming InterfaceName}

CLI	XML
<intf-name> loc <loc>	
sh sub sess filter interface <intf-name> detail loc <loc>	Subscriber.Session.NodeTable.Node.SessionTable(SubscriberInterfaceDetailFilter) {Naming InterfaceName}
sh sub sess filter ipv4-address <IPv4-addr> loc <loc>	Subscriber.Session.NodeTable.Node.SessionTable(SubscriberIPv4AddressVRFDetailFilter) {Naming VRF Name, Address}
sh sub sess filter ipv4-address <IPv4-addr> detail loc <loc>	Subscriber.Session.NodeTable.Node.SessionTable(SubscriberIPv4AddressVRFBriefFilter) {Naming VRF Name, Address}
sh sub sess filter mac-address <mac-addr> loc <loc>	Subscriber.Session.NodeTable.Node.SessionTable(SubscriberMACAddressBriefFilter) {Naming MACAddress}
sh sub sess filter mac-address <mac-addr> detail loc <loc>	Subscriber.Session.NodeTable.Node.SessionTable(SubscriberMACAddressDetailFilter) {Naming MACAddress}
sh sub sess filter state <state> loc <loc>	Subscriber.Session.NodeTable.Node.SessionTable(SubscriberStateBriefFilter) {Naming State}
sh sub sess filter state <state> detail loc <loc>	Subscriber.Session.NodeTable.Node.SessionTable(SubscriberStateDetailFilter) {Naming State}
sh sub sess filter username <uname> loc <loc>	Subscriber.Session.NodeTable.Node.SessionTable(SubscriberUsernameBriefFilter) {Naming Username}
sh sub sess filter	Subscriber.Session.NodeTable.Node.SessionTable(SubscriberUsernameDetailFilter) {Naming Username}

CLI	XML
username <uname> detail loc <loc>	
sh sub sess filter ipv4-address <IPv4 addr> vrf <vrf> loc <loc>	Subscriber.Session.NodeTable.Node.SessionTable(SubscriberIPv4AddressVRFBriefFilter) {Naming VRF Name, Address}
sh sub sess filter ipv4-address <IPv4-addr> vrf <vrf> detail loc <loc>	Subscriber.Session.NodeTable.Node.SessionTable(SubscriberIPv4AddressVRFDetailFilter) {Naming VRF Name, Address}
sh sub sess filter vrf <vrf-name> loc <loc>	Subscriber.Session.NodeTable.Node.SessionTable(SubscriberIPv4AddressVRFBriefFilter) {Naming VRF Name, Address }
sh sub sess filter vrf <vrf-name> detail loc <loc>	Subscriber.Session.NodeTable.Node.SessionTable(SubscriberIPv4AddressVRFDetailFilter) {Naming VRF Name, Address }
sh sub sess sub-label <0-ffffff> loc <loc>	Subscriber.Session.NodeTable.Node.SessionTable.Session{Naming SessionID}
sh sub man stat AAA accounting loc <loc>	Subscriber.Manager.NodeTable.Node.Statistics.AAA.Accounting
sh sub man stat AAA accounting total loc <loc>	Subscriber.Manager.NodeTable.Node.Statistics.AAA.AggregateAccounting
sh sub man stat AAA authentication loc <loc>	Subscriber.Manager.NodeTable.Node.Statistics.AAA.Authentication
sh sub man stat AAA	Subscriber.Manager.NodeTable.Node.Statistics.AAA.AggregateAuthentication

CLI	XML
authentication total loc <loc>	
sh sub man stat AAA authorization loc <loc>	Subscriber.Manager.NodeTable.Node.Statistics.AAA.Authorization
sh sub man stat AAA authorization total loc <loc>	Subscriber.Manager.NodeTable.Node.Statistics.AAA.AggregateAuthorization
sh sub man stat AAA COA loc <loc>	Subscriber.Manager.NodeTable.Node.Statistics.AAA.ChangeOfAuthorization
sh sub man stat AAA COA total loc <loc>	Subscriber.Manager.NodeTable.Node.Statistics.AAA.AggregateChangeOfAuthorization
sh sub man stat AAA all loc <loc>	Subscriber.Manager.NodeTable.Node.Statistics.AAA
sh sub man stat AAA all total loc <loc>	Subscriber.Manager.NodeTable.Node.Statistics.AAA
sh sub man stats summary total <loc>	Subscriber.Manager.NodeTable.Node.Statistics.AggregateSummary

DAPS XML Support

The support for XML is available for distributed address pool service (DAPS) that retrieves the pool parameters for distributed address pool services, and allows the management clients to get number of free, allocated and excluded addresses based on VRF and pool name. The mapping between CLI and XML entries for the DAPS commands are as follows:

CLI	XML
pool vrf <vrf-name> ipv4 <poolname>pool ipv4 <poolname>	PoolService.VRFTable.VRF.IpV4.Pool.Enable
pool vrf <VRFName> ipv4 <PoolName> * address-range <RangeStart> <RangeEnd>pool ipv4 <PoolName> * address-range <RangeStart> <RangeEnd>	PoolService.VRFTable.VRF.IpV4.Pool.AddressRangeTable.AddressRange

CLI	XML
pool vrf <VRFName> ipv4 <PoolName> * exclude <RangeStart> <RangeEnd> pool vrf <VRFName> ipv4 <PoolName> * exclude <RangeStart> <RangeEnd> pool ipv4 <PoolName> * exclude <RangeStart> <RangeEnd> pool ipv4 <PoolName> * exclude <RangeStart> <RangeEnd>	PoolService.VRFTable.VRF.IPv4.Pool.ExcludeTable.Exclude
Pool vrf <VRFName> ipv4 <PoolName> utilization-mark high <> pool ipv4 <PoolName> utilization-mark high <>	PoolService.VRFTable.VRF.IPv4.Pool.UtilizationMark.High
Pool vrf <VRFName> ipv4 <PoolName> utilization-mark low <> pool ipv4 <PoolName> utilization-mark low <>	PoolService.VRFTable.VRF.IPv4.Pool.UtilizationMark.Low
show pool vrf <vrf-name> ipv4	PoolService.NodeTable.Node.VRFTable.VRF.IPv4
show pool ipv4 name <poolname>	PoolService.NodeTable.Node.PoolTable.Pool.IPv4.Detail
show pool ipv4 name <poolname> verbose	PoolService.NodeTable.Node.PoolTable.Pool.IPv4.Verbose
show pool ipv4 show pool vrf all ipv4	PoolService.NodeTable.Node.VRFTable

PPPoE XML Support

XML support is available for PPP over Ethernet (PPPoE) sessions. The mapping between CLI and XML entries for the PPPoE feature commands are:

CLI	XML
pado delay {<delay>}	set PadoDelay.Default {<delay>}
pado delay circuit-id {<delay>}	set PadoDelay.CircuitId {<delay>}
pado delay remote-id {<delay>}	set PadoDelay.RemoteId {<delay>}
pado delay circuit-id string {<string>} {<delay>}	set PadoDelay.CircuitIdString{<string>} {<delay>}
pado delay circuit-id contains {<string>} {<delay>}	set PadoDelay.CircuitIdSubString{<string>} {<delay>}
pado delay remote-id string {<string>} {<delay>}	set PadoDelay.RemoteIdString{<string>} {<delay>}
pado delay remote-id contains {<string>} {<delay>}	set PadoDelay.RemoteIdSubString{<string>} {<delay>}
pado delay service-name string {<string>} {<delay>}	set PadoDelay.ServiceNameString{<string>} {<delay>}
pado delay service-name contains {<string>} {<delay>}	set PadoDelay.ServiceNameSubString{<string>} {<delay>}
pppoe session-id space flat	set SessionIDSpaceFlat {TRUE}
pppoe bba-group {<group-name>}	PPPoECfg.BBAGroup {<group-name>}

CLI	XML
pppoe enable bba-group {<group-name>}	set PPPoE.EnableBBAGroup {<group-name>}
ac name {<name>}	set Tags.ACName {<name>}
service name {<name>}	set Tags.ServiceName(<name>).ServiceNameConfigured
service selection disable	set Tags.ServiceSelectionDisable
tag ppp-max-payload deny	set Tags.PPPMaxPayloadDeny
tag ppp-max-payload minimum {<min> maximum {<max>}	set Tags.PPPMaxPayload {<min>,<max>}
mtu {<mtu>}	set MTU {<mtu>}
sessions max limit {<limit> threshold {<threshold>}	set Sessions.MaxLimit {<limit>,<threshold>}
sessions access-interface limit {<count> [threshold {<threshold>}]	set Sessions.AccessInterfaceLimit {<count>,<threshold>}
sessions mac limit {<count>} [threshold {<threshold>}]	set Sessions.MacLimit {<count>,<threshold>}
sessions mac-iwf limit {<count>} [threshold {<threshold>}]	set Sessions.MacIWFLimit {<count>,<threshold>}
sessions mac access-interface limit {<count>} [threshold {<threshold>}]	set Sessions.MacAccessInterfaceLimit {<count>,<threshold>}
sessions mac-iwf access-interface limit {<count>} [threshold {<threshold>}]	set Sessions.MacIWFAccessInterfaceLimit {<count>,<threshold>}
sessions circuit-id limit {<count> [threshold {<threshold>}]	set Sessions.CircuitIDLimit {<count>,<threshold>}
sessions remote-id limit {<count> [threshold {<threshold>}]	set Sessions.RemoteIDLimit {<count>,<threshold>}
sessions circuit-id-and-remote-id limit {<count>} [threshold {<threshold>}]	set Sessions.CircuitIDAndRemoteIDLimit {<count>,<threshold>,<radius-override>}
sessions inner-vlan limit {<count> [threshold {<threshold>}]	set Sessions.InnerVLANLimit {<count>,<threshold>}
sessions mac throttle {<request-count> <request-period> <blocking-period>}	set Sessions.MacThrottle {<request-count>,<request-period>,<blocking-period>}
sessions mac access-interface throttle {<request-count> <request-period> <blocking-period>}	set Sessions.MacAccessInterfaceThrottle {<request-count>,<request-period>,<blocking-period>}
sessions mac-iwf access-interface throttle {<request-count> <request-period> <blocking-period>}	set Sessions.MacIWFAccessInterfaceThrottle {<request-count>,<request-period>,<blocking-period>}
sessions circuit-id throttle {<request-count> <request-period> <blocking-period>}	set Sessions.CircuitIDThrottle {<request-count>,<request-period>,<blocking-period>}

CLI	XML
sessions remote-id throttle {<request-count> <request-period> <blocking-period>}	set Sessions.RemoteIDThrottle {<request-count>,<request-period>,<blocking-period>}
sessions circuit-id-and-remote-id throttle {<request-count> <request-period> <blocking-period>}	set Sessions.CircuitIDAndRemoteIDThrottle {<request-count>,<request-period>,<blocking-period>}
sessions inner-vlan throttle {<request-count> <request-period> <blocking-period>}	set Sessions.InnerVLANThrottle {<request-count>,<request-period>,<blocking-period>}
control-packets priority {<cos>}	set ControlPackets.Priority {<cos>}
invalid-session-id drop	set InvalidSessionID {DROP}
invalid-session-id log	set InvalidSessionID {LOG}

Subscriber Database XML Support

The support for XML is available for subscriber database that retrieves the subscriber association and session information and allows the management clients to get subscriber session state, subscriber session information based on unique subscriber label, subscriber association information based on unique subscriber label or interface name or dynamic template name or type. The mapping between CLI and XML entries for the subscriber database commands are as follows:

CLI	XML
show subscriber database association br location <>	Subscriber.Database.NodeTable.Node.Association.LabelTable.Label {Naming SubscriberLabel}
show subscriber database association subscriber-label <> br location<>	Subscriber.Database.NodeTable.Node.Association.LabelTable.Label {Naming SubscriberLabel}
show subscriber database association location <>	Subscriber.Database.NodeTable.Node.Association (SubscriberDatabaseLabelDetailFilter)
show subscriber database association interface-name <> br location<>	Subscriber.Database.NodeTable.Node.Association (SubscriberDatabaseInterfaceBriefFilter) {Naming InterfaceName}
show subscriber database association interface-name <> location<>	Subscriber.Database.NodeTable.Node.Association (SubscriberDatabaseInterfaceFilter) {Naming InterfaceName}
show subscriber database association type < ipsubscriber ppp service-profile subscriber-service> br location <>	Subscriber.Database.NodeTable.Node.Association (SubscriberDatabaseTemplateTypeBriefFilter) {Naming TemplateType}

CLI	XML
show subscriber database association type < ipsubscriber ppp service-profile subscriber-service> location <>	Subscriber.Database.NodeTable.Node.Association(SubscriberDatabaseTemplateTypeFilter) {NamingTemplateType}
show subscriber database session state <all cfgapply cfgdone cfggen cfgunapply destroying error fatgen init sync>	Subscriber.Database.NodeTable.Node.Session(SubscriberDatabaseSessionStateFilter) {NamingSession-State}
show subscriber database session subscriber-label <> location <>	Subscriber.Database.NodeTable.Node.Session.LabelTable.Label {NamingSubscriberLabel}
association subscriber-label <0x0-0xffffffff> brief location R/S/M	Subscriber.Database.NodeTable.Node.Association.LabelTable.Label
association subscriber-label <0x0-0xffffffff> brief	Subscriber.Database.NodeTable.Node.Association.LabelTable.Label
association subscriber-label <0x0-0xffffffff> location R/S/M	Subscriber.Database.NodeTable.Node.Association.LabelTable.Label
association subscriber-label <0x0-0xffffffff>	Subscriber.Database.NodeTable.Node.Association.LabelTable.Label
association interface-name <ifname> brief location R/S/M	Subscriber.Database.NodeTable.Node.Association[SubscriberInterfaceBriefFilter (NamingInterfaceName)]
association interface-name <ifname> brief	Subscriber.Database.NodeTable.Node.Association[SubscriberInterfaceBriefFilter (NamingInterfaceName)]
association interface-name <ifname> location R/S/M	Subscriber.Database.NodeTable.Node.Association[SubscriberInterfaceFilter (NamingInterfaceName)]
association interface-name <ifname>	Subscriber.Database.NodeTable.Node.Association[SubscriberInterfaceFilter (NamingInterfaceName)]
association type ppp brief location R/S/M	Subscriber.Database.NodeTable.Node.Association[SubscriberTemplateType (NamingTemplateType)]
association type ppp brief	Subscriber.Database.NodeTable.Node.Association[SubscriberTemplateType (NamingTemplateType)]
association type ppp location R/S/M	Subscriber.Database.NodeTable.Node.Association[SubscriberTemplateType (NamingTemplateType)]
association type ppp	Subscriber.Database.NodeTable.Node.Association[SubscriberTemplateType (NamingTemplateType)]

CLI	XML
association type ipsubscriber brief location R/S/M	Subscriber.Database.NodeTable.Node.Association[SubscriberTemplateType (Naming TemplateType)]
association type ipsubscriber brief	Subscriber.Database.NodeTable.Node.Association[SubscriberTemplateType (Naming TemplateType)]
association type ipsubscriber location R/S/M	Subscriber.Database.NodeTable.Node.Association[SubscriberTemplateType (Naming TemplateType)]
association type ipsubscriber	Subscriber.Database.NodeTable.Node.Association[SubscriberTemplateType (Naming TemplateType)]
association type subscriber-service brief location R/S/M	Subscriber.Database.NodeTable.Node.Association[SubscriberTemplateType (Naming TemplateType)]
association type subscriber-service brief	Subscriber.Database.NodeTable.Node.Association[SubscriberTemplateType (Naming TemplateType)]
association type subscriber-service location R/S/M	Subscriber.Database.NodeTable.Node.Association[SubscriberTemplateType (Naming TemplateType)]
association type subscriber-service	Subscriber.Database.NodeTable.Node.Association[SubscriberTemplateType (Naming TemplateType)]
association type service-profile brief location R/S/M	Subscriber.Database.NodeTable.Node.Association[SubscriberTemplateType (Naming TemplateType)]
association type service-profile brief	Subscriber.Database.NodeTable.Node.Association[SubscriberTemplateType (Naming TemplateType)]
association type service-profile location R/S/M	Subscriber.Database.NodeTable.Node.Association[SubscriberTemplateType (Naming TemplateType)]
association type service-profile	Subscriber.Database.NodeTable.Node.Association[SubscriberTemplateType (Naming TemplateType)]
association type user-profile brief location R/S/M	Subscriber.Database.NodeTable.Node.Association[SubscriberTemplateType (Naming TemplateType)]
association type user-profile brief	Subscriber.Database.NodeTable.Node.Association[SubscriberTemplateType (Naming TemplateType)]
association type user-profile location R/S/M	Subscriber.Database.NodeTable.Node.Association[SubscriberTemplateType (Naming TemplateType)]
association type user-profile	Subscriber.Database.NodeTable.Node.Association[SubscriberTemplateType (Naming TemplateType)]
association brief location R/S/M	Subscriber.Database.NodeTable.Node.Association.LabelTable.Label
association brief	Subscriber.Database.NodeTable.Node.Association.LabelTable.Label

CLI	XML
association location R/S/M	Subscriber.Database.NodeTable.Node.Association.LabelTable.Label
association	Subscriber.Database.NodeTable.Node.Association.LabelTable.Label
session subscriber-label <0x0-0xffffffff> location R/S/M	Subscriber.Database.NodeTable.Node.Session.LabelTable.Label
session subscriber-label <0x0-0xffffffff>	Subscriber.Database.NodeTable.Node.Session.LabelTable.Label
session state init location R/S/M	Subscriber.Database.NodeTable.Node.Session[SubscriberSessionStateFilter (Naming State)]
session state init	Subscriber.Database.NodeTable.Node.Session[SubscriberSessionStateFilter (Naming State)]
session state destroying location R/S/M	Subscriber.Database.NodeTable.Node.Session[SubscriberSessionStateFilter (Naming State)]
session state destroying	Subscriber.Database.NodeTable.Node.Session[SubscriberSessionStateFilter (Naming State)]
session state cfggen location R/S/M	Subscriber.Database.NodeTable.Node.Session[SubscriberSessionStateFilter (Naming State)]
session state cfggen	Subscriber.Database.NodeTable.Node.Session[SubscriberSessionStateFilter (Naming State)]
session state fatgen location R/S/M	Subscriber.Database.NodeTable.Node.Session[SubscriberSessionStateFilter (Naming State)]
session state fatgen	Subscriber.Database.NodeTable.Node.Session[SubscriberSessionStateFilter (Naming State)]
session state cfgapply location R/S/M	Subscriber.Database.NodeTable.Node.Session[SubscriberSessionStateFilter (Naming State)]
session state cfgapply	Subscriber.Database.NodeTable.Node.Session[SubscriberSessionStateFilter (Naming State)]
session state cfgdone location R/S/M	Subscriber.Database.NodeTable.Node.Session[SubscriberSessionStateFilter (Naming State)]
session state cfgdone	Subscriber.Database.NodeTable.Node.Session[SubscriberSessionStateFilter (Naming State)]
session state cfgunapply location R/S/M	Subscriber.Database.NodeTable.Node.Session[SubscriberSessionStateFilter (Naming State)]
session state cfgunapply	Subscriber.Database.NodeTable.Node.Session[SubscriberSessionStateFilter (Naming State)]
session state cfgerror location R/S/M	Subscriber.Database.NodeTable.Node.Session[SubscriberSessionStateFilter (Naming State)]
session state cfgerror	Subscriber.Database.NodeTable.Node.Session[SubscriberSessionStateFilter (Naming State)]

CLI	XML
session state error location R/S/M	Subscriber.Database.NodeTable.Node.Session[SubscriberSessionStateFilter (Naming State)]
session state error	Subscriber.Database.NodeTable.Node.Session[SubscriberSessionStateFilter (Naming State)]
session state sync location R/S/M	Subscriber.Database.NodeTable.Node.Session[SubscriberSessionStateFilter (Naming State)]
session state sync	Subscriber.Database.NodeTable.Node.Session[SubscriberSessionStateFilter (Naming State)]
session state all location R/S/M	Subscriber.Database.NodeTable.Node.Session[SubscriberSessionStateFilter (Naming State)]
session state all	Subscriber.Database.NodeTable.Node.Session[SubscriberSessionStateFilter (Naming State)]

