

# BMP YANG Module

## draft-cptb-grow-bmp-yang

Camilo Cardona, NTT

Paolo Lucente, NTT

Thomas Graf, Swisscom

Benoit Claise, Huawei

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# Summary of main diffs in the model

- Fixed multiple comments, thanks to Tom Petch, Jeff Haas
- Added initial-delay and back-off timers containers for connection establishment, thanks to Tim Evens
- Added an optional route-policy container to select the prefixes to send to the monitoring station, thanks to Yimin Shen

Questions/comments

```

module: ietf-bmp
+--rw bmp
+--rw stations
+--rw station* [id]
| +--rw id      string
| +--rw connection
| | +--rw (passive-or-active)?
| | | +--:(active)
| | | | +--rw active
| | | | +--rw network-instance -> /ni:network-instances/network-instance/name
| | | | +--rw station-address  inet:ip-address
| | | | +--rw station-port     inet:port-number
| | | | +--rw local-address    inet:ip-address
| | | | +--rw local-port?     inet:port-number
| | | +--:(passive)
| | | | +--rw passive
| | | | +--rw network-instance -> /ni:network-instances/network-instance/name
| | | | +--rw station-address  inet:ip-address
| | | | +--rw station-port?   inet:port-number
| | | | +--rw local-address?  inet:ip-address
| | | | +--rw local-port?    inet:port-number
| | +--rw maximum-segment-size? uint16
| | +--rw mtu-discovery?        boolean
| | +--rw keepalives! {keepalives-supported}?
| | | +--rw idle-time          uint16
| | | +--rw max-probes         uint16
| | | +--rw probe-interval    uint16
| | +--rw secure-session-enable? boolean
| | +--rw secure-session
| | | +--rw (authentication)?
| | | | +--:(ao)
| | | | | +--rw ao-keychain?  key-chain:key-chain-ref
| | | | +--:(md5)
| | | | | +--rw md5-keychain? key-chain:key-chain-ref
| | +--rw initial-delay?      uint32
| | +--rw backoff
| | | +--rw (backoff-options)?
| | | | +--:(simple-exponential)
| | | | +--rw simple-exponential
| | | | +--rw initial-backoff? uint32
| | | | +--rw maximum-backoff? uint32
| +--rw bmp-session
| | +--rw initiation-message? string
| | +--rw statistics-interval? uint32
| +--rw bmp-sources

```

```

|--rw bmp-session
| |--rw initiation-message? string
| |--rw statistics-interval? uint32
|--rw bmp-sources
| |--rw bmp-route-monitoring
| |--rw network-instances
| |--rw network-instance* [network-instance-id]
| |--rw network-instance-id union
| |--rw adj-rib-in-pre
| |--rw enabled? boolean
| |--rw address-families
| |--rw address-family* [name]
| |--rw name -> /rt:routing/control-plane-protocols/control-plane-protocol/bgp:bgp/global/afi-safis/afi-safi/name
| |--rw peers
| |--rw peer* [peer-id]
| |--rw peer-id union
| |--rw filters
| |--rw policy-filter
| |--rw export-policy* -> /rt-pol:routing-policy/policy-definitions/policy-definition/name
| |--rw default-export-policy? rt-pol:default-policy-type
|--rw adj-rib-in-post
| |--rw enabled? boolean
| |--rw address-families
| |--rw address-family* [name]
| |--rw name -> /rt:routing/control-plane-protocols/control-plane-protocol/bgp:bgp/global/afi-safis/afi-safi/name
| |--rw peers
| |--rw peer* [peer-id]
| |--rw peer-id union
| |--rw filters
| |--rw policy-filter
| |--rw export-policy* -> /rt-pol:routing-policy/policy-definitions/policy-definition/name
| |--rw default-export-policy? rt-pol:default-policy-type
|--rw local-rib
| |--rw enabled? boolean
| |--rw address-families
| |--rw address-family* [address-family-id]
| |--rw address-family-id identityref
| |--rw filters
| |--rw policy-filter
| |--rw export-policy* -> /rt-pol:routing-policy/policy-definitions/policy-definition/name
| |--rw default-export-policy? rt-pol:default-policy-type
|--rw adj-rib-out-pre
| |--rw enabled? boolean
| |--rw address-families
| |--rw address-family* [name]

```

```

| | +--rw adj-rib-out-pre
| | | +--rw enabled?      boolean
| | | +--rw address-families
| | |   +--rw address-family* [name]
| | |     +--rw name      -> /rt:routing/control-plane-protocols/control-plane-protocol/bgp:bgp/global/afi-safis/afi-safi/name
| | |     +--rw peers
| | |       +--rw peer* [peer-id]
| | |         +--rw peer-id  union
| | |         +--rw filters
| | |           +--rw policy-filter
| | |             +--rw export-policy*      -> /rt-pol:routing-policy/policy-definitions/policy-definition/name
| | |             +--rw default-export-policy?  rt-pol:default-policy-type
| | +--rw adj-rib-out-post
| | | +--rw enabled?      boolean
| | | +--rw address-families
| | |   +--rw address-family* [name]
| | |     +--rw name      -> /rt:routing/control-plane-protocols/control-plane-protocol/bgp:bgp/global/afi-safis/afi-safi/name
| | |     +--rw peers
| | |       +--rw peer* [peer-id]
| | |         +--rw peer-id  union
| | |         +--rw filters
| | |           +--rw policy-filter
| | |             +--rw export-policy*      -> /rt-pol:routing-policy/policy-definitions/policy-definition/name
| | |             +--rw default-export-policy?  rt-pol:default-policy-type
| +--rw session-stats
| | +--rw discontinuity-time      yang:date-and-time
| | +--ro established-session?    boolean
| | +--ro total-route-monitoring-messages?  uint64
| | +--ro total-statistics-messages?  uint64
| | +--ro total-peer-down-messages?  uint64
| | +--ro total-peer-up-messages?    uint64
| | +--ro total-initiation-messages?  uint64
| | +--ro total-route-mirroring-messages?  uint64
+--rw actions
+---x session-reset
+--ro output
+--ro (outcome)?
+--:(success)
| +--ro success?  empty
+--:(failure)
+--ro failure?  string

```