

(<https://github.com/cmoberg/bottle-yang-extractor-validator>)

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Fetch, extract and validate YANG models

The form below allows you to fetch, extract and validate YANG modules by RFC number, by IETF draft name, or by uploading IETF drafts or YANG files.

Upload multiple YANG files or a zip archive

Parcourir...

Aucun fichier sélectionné.

Validate

Upload Internet Draft

Parcourir...

Aucun fichier sélectionné.

Validate

Fetch and validate IETF RFC by number

RFC number, e.g. 7223

Validate

Fetch and validate IETF Draft by name

Draft name, e.g. draft-ietf-netmod-syslog-model

Validate

Extracted 3 YANG modules

- ietf-softwire-br@2018-03-16.yang
- ietf-softwire-ce@2018-03-16.yang
- ietf-softwire-common@2018-03-16.yang

ietf-softwire-br@2018-03-16.yang

XYM Extraction

No warnings or errors

Pyang Validation

No warnings or errors

Pyang Output

```

module: ietf-softwire-br
  +--rw br-instances
    +--rw (br-type)?
      +--:(binding) {binding}?
        | +--rw binding {binding}?
        |   +--rw bind-instance* [id]
        |   | +--rw binding-table-versioning
        |   | | +--rw version?      uint64
        |   | | +--rw date?         yang:date-and-time
        |   | +--rw id                uint32
        |   | +--rw name?              string
        |   | +--rw softwire-num-max   uint32
        |   | +--rw softwires-payload-mtu   uint16
        |   | +--rw softwire-path-mru   uint16
        |   | +--rw enable-hairpinning? boolean
        |   +--rw binding-table
        |   | +--rw binding-entry* [binding-ipv6info]
        |   | | +--rw binding-ipv6info union
        |   | | +--rw binding-ipv4-addr? inet:ipv4-address
        |   | | +--rw port-set
        |   | | | +--rw psid-offset?  uint8
        |   | | | +--rw psid-len      uint8
        |   | | | +--rw psid         uint16
        |   | | +--rw br-ipv6-addr?   inet:ipv6-address
        |   +--rw icmp-policy
        |   | +--rw icmpv4-errors
        |   | | +--rw allow-incoming-icmpv4? boolean
        |   | | +--rw icmpv4-rate?          uint32
        |   | | +--rw generate-icmpv4-errors? boolean
        |   | +--rw icmpv6-errors
        |   | | +--rw generate-icmpv6-errors? boolean
        |   | | +--rw icmpv6-rate?          uint32
        +--ro traffic-stat
          +--ro discontinuity-time          yang:date-and-time
          +--ro sent-ipv4-packets?          yang:zero-based-counter64
          +--ro sent-ipv4-bytes?            yang:zero-based-counter64
          +--ro sent-ipv6-packets?          yang:zero-based-counter64
          +--ro sent-ipv6-bytes?            yang:zero-based-counter64
          +--ro rcvd-ipv4-packets?          yang:zero-based-counter64
          +--ro rcvd-ipv4-bytes?            yang:zero-based-counter64
          +--ro rcvd-ipv6-packets?          yang:zero-based-counter64
          +--ro rcvd-ipv6-bytes?            yang:zero-based-counter64
          +--ro dropped-ipv4-packets?        yang:zero-based-counter64
          +--ro dropped-ipv4-bytes?          yang:zero-based-counter64
          +--ro dropped-ipv6-packets?        yang:zero-based-counter64
          +--ro dropped-ipv6-bytes?          yang:zero-based-counter64
          +--ro dropped-ipv4-fragments?      yang:zero-based-counter64
          +--ro dropped-ipv4-fragment-bytes? yang:zero-based-counter64
          +--ro ipv6-fragments-reassembled? yang:zero-based-counter64
          +--ro ipv6-fragments-bytes-reassembled? yang:zero-based-counter64
          +--ro out-icmpv4-error-packets?    yang:zero-based-counter64
          +--ro out-icmpv4-error-bytes?      yang:zero-based-counter64
          +--ro out-icmpv6-error-packets?    yang:zero-based-counter64

```

```

|         +--ro out-icmpv6-error-bytes?          yang:zero-based-counter64
|         +--ro dropped-icmpv4-packets?          yang:zero-based-counter64
|         +--ro dropped-icmpv4-bytes?            yang:zero-based-counter64
|         +--ro hairpin-ipv4-packets?            yang:zero-based-counter64
|         +--ro hairpin-ipv4-bytes?              yang:zero-based-counter64
|         +--ro active-softwire-num?             uint32
+--:(algorithm) {algorithm}?
  +--rw algorithm {algorithm}?
    +--rw algo-instance* [id]
      +--rw id                                   uint32
      +--rw enable?                             boolean
      +--rw algo-versioning
        | +--rw version?   uint64
        | +--rw date?      yang:date-and-time
      +--rw name?           string
      +--rw (data-plane)?
        | +--:(encapsulation)
        | | +--rw br-ipv6-addr      inet:ipv6-address
        | +--:(translation)
        |   +--rw dmr-ipv6-prefix?  inet:ipv6-prefix
      +--rw ea-len           uint8
      +--rw rule-ipv6-prefix  inet:ipv6-prefix
      +--rw rule-ipv4-prefix  inet:ipv4-prefix
      +--rw forwarding        boolean
      +--rw port-set
        | +--rw psid-offset?  uint8
        | +--rw psid-len      uint8
        | +--rw psid          uint16
      +--ro traffic-stat
        +--ro discontinuity-time          yang:date-and-time
        +--ro sent-ipv4-packets?          yang:zero-based-counter64
        +--ro sent-ipv4-bytes?            yang:zero-based-counter64
        +--ro sent-ipv6-packets?          yang:zero-based-counter64
        +--ro sent-ipv6-bytes?            yang:zero-based-counter64
        +--ro rcvd-ipv4-packets?          yang:zero-based-counter64
        +--ro rcvd-ipv4-bytes?            yang:zero-based-counter64
        +--ro rcvd-ipv6-packets?          yang:zero-based-counter64
        +--ro rcvd-ipv6-bytes?            yang:zero-based-counter64
        +--ro dropped-ipv4-packets?        yang:zero-based-counter64
        +--ro dropped-ipv4-bytes?          yang:zero-based-counter64
        +--ro dropped-ipv6-packets?        yang:zero-based-counter64
        +--ro dropped-ipv6-bytes?          yang:zero-based-counter64
        +--ro dropped-ipv4-fragments?      yang:zero-based-counter64
        +--ro dropped-ipv4-fragment-bytes? yang:zero-based-counter64
        +--ro ipv6-fragments-reassembled?  yang:zero-based-counter64
        +--ro ipv6-fragments-bytes-reassembled? yang:zero-based-counter64
        +--ro out-icmpv4-error-packets?    yang:zero-based-counter64
        +--ro out-icmpv4-error-bytes?      yang:zero-based-counter64
        +--ro out-icmpv6-error-packets?    yang:zero-based-counter64
        +--ro out-icmpv6-error-bytes?      yang:zero-based-counter64

```

notifications:

```

+---n softwire-binding-instance-event {binding}?

```

```
|  +--ro bind-id?          -> /br-instances/binding/bind-instance/id
|  +--ro invalid-entry*    -> /br-instances/binding/bind-instance[id=current()]/../bind
|  +--ro added-entry*      inet:ipv6-address
|  +--ro modified-entry*   -> /br-instances/binding/bind-instance[id=current()]/../bind
+---n software-algorithm-instance-event {algorithm}?
  +--ro algo-id           -> /br-instances/algorithm/algo-instance/id
  +--ro invalid-entry-id* -> /br-instances/algorithm/algo-instance/id
  +--ro added-entry*      -> /br-instances/algorithm/algo-instance/id
  +--ro modified-entry*   -> /br-instances/algorithm/algo-instance/id
```

Confdc Output

No warnings or errors

yanglint Validation

No warnings or errors

ietf-softwire-ce@2018-03-16.yang

XYM Extraction

No warnings or errors

Pyang Validation

No warnings or errors

Pyang Output

```

module: ietf-softwire-ce
augment /if:interfaces/if:interface:
  +--rw softwire-payload-mtu?    uint16
  +--rw softwire-path-mru?      uint16
  +--rw (ce-type)?
    +--:(binding) {binding}?
      | +--rw binding-ipv6info?    union
      | +--rw br-ipv6-addr        inet:ipv6-address
    +--:(algorithm) {algorithm}?
      +--rw algo-instances
        +--rw algo-instance* [id]
          +--rw id                uint32
          +--rw enable?          boolean
          +--rw algo-versioning
            | +--rw version?    uint64
            | +--rw date?      yang:date-and-time
          +--rw name?          string
          +--rw (data-plane)?
            | +--:(encapsulation)
            | | +--rw br-ipv6-addr    inet:ipv6-address
            | +--:(translation)
            | | +--rw dmr-ipv6-prefix? inet:ipv6-prefix
          +--rw ea-len          uint8
          +--rw rule-ipv6-prefix inet:ipv6-prefix
          +--rw rule-ipv4-prefix inet:ipv4-prefix
          +--rw forwarding      boolean
augment /if:interfaces/if:interface/if:statistics:
  +--ro sent-ipv4-packets?      yang:zero-based-counter64
  +--ro sent-ipv4-bytes?        yang:zero-based-counter64
  +--ro sent-ipv6-packets?      yang:zero-based-counter64
  +--ro sent-ipv6-bytes?        yang:zero-based-counter64
  +--ro rcvd-ipv4-packets?      yang:zero-based-counter64
  +--ro rcvd-ipv4-bytes?        yang:zero-based-counter64
  +--ro rcvd-ipv6-packets?      yang:zero-based-counter64
  +--ro rcvd-ipv6-bytes?        yang:zero-based-counter64
  +--ro dropped-ipv4-packets?    yang:zero-based-counter64
  +--ro dropped-ipv4-bytes?      yang:zero-based-counter64
  +--ro dropped-ipv6-packets?    yang:zero-based-counter64
  +--ro dropped-ipv6-bytes?      yang:zero-based-counter64
  +--ro dropped-ipv4-fragments?  yang:zero-based-counter64
  +--ro dropped-ipv4-fragment-bytes? yang:zero-based-counter64
  +--ro ipv6-fragments-reassembled? yang:zero-based-counter64
  +--ro ipv6-fragments-bytes-reassembled? yang:zero-based-counter64
  +--ro out-icmpv4-error-packets? yang:zero-based-counter64
  +--ro out-icmpv4-error-bytes?  yang:zero-based-counter64
  +--ro out-icmpv6-error-packets? yang:zero-based-counter64
  +--ro out-icmpv6-error-bytes?  yang:zero-based-counter64

notifications:
  +---n softwire-ce-event {binding}?
    +--ro ce-binding-ipv6-addr-change    inet:ipv6-address

```

Confdc Output

No warnings or errors

yanglint Validation

No warnings or errors

ietf-softwire-common@2018-03-16.yang

XYM Extraction

No warnings or errors

Pyang Validation

No warnings or errors

Pyang Output

No warnings or errors

Confdc Output

No warnings or errors

yanglint Validation

No warnings or errors

validator version: 0.3.1, xym version: 0.4, pyang version: 1.7.3 confdc version: confd-6.5.3 , yanglint version: yanglint 0.14.69