

# BGP YANG Model

## draft-ietf-idr-bgp-model-14

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# Status (-14)

- Cleanup
  - Moved total-paths/prefixes into stats container
  - Consistency in the use of type for counters
  - Canonical order for all features
  - Securing BGP session
    - Required update of TCP YANG model
    - Remove redundant MD5 auth password
    - Example updated in Appendix
- Types module is an IANA module
- BGP module
  - Addition of “raw” to support new and experimental extended communities

```
type string {  
    // raw with 8 octets  
    pattern 'raw:([0-9A-F][0-9A-F:]){7}[0-9A-F][0-9A-F]';  
}
```



# Issues

- Tracked here
  - <https://github.com/mjethanandani/ietf-bgp-yang/issues>
- Major issue
  - ~~Maintenance of Extended communities (Issue #96)~~
    - ~~As an IANA module??~~
  - ~~Extended community typedef (Issue #66)~~
    - ~~Overlaps with RFC 8294 (Routing YANG types)~~
    - ~~The generic community types have the formats (as4:as2 as an example), but absent the type/sub-type~~
  - No as-path regex (Issue #91)
    - Vendor specific. Leave it as a string??
  - Replace peer AS in the AS Path (Issue #70)
    - Semantics are different between vendors

The model needs to provide for policy configuration



# Next Steps

- Address last major issue
- Some cleanup, mostly editorial
- Expect the model to be ready for publication by IETF 115
  - 7 years and counting since -00 was published

