



**I E T F**<sup>®</sup>

IETF 93  
RTG WG

## Routing Policy Configuration Model for Service Provider Networks

draft-shaikh-rtgwg-policy-model-01

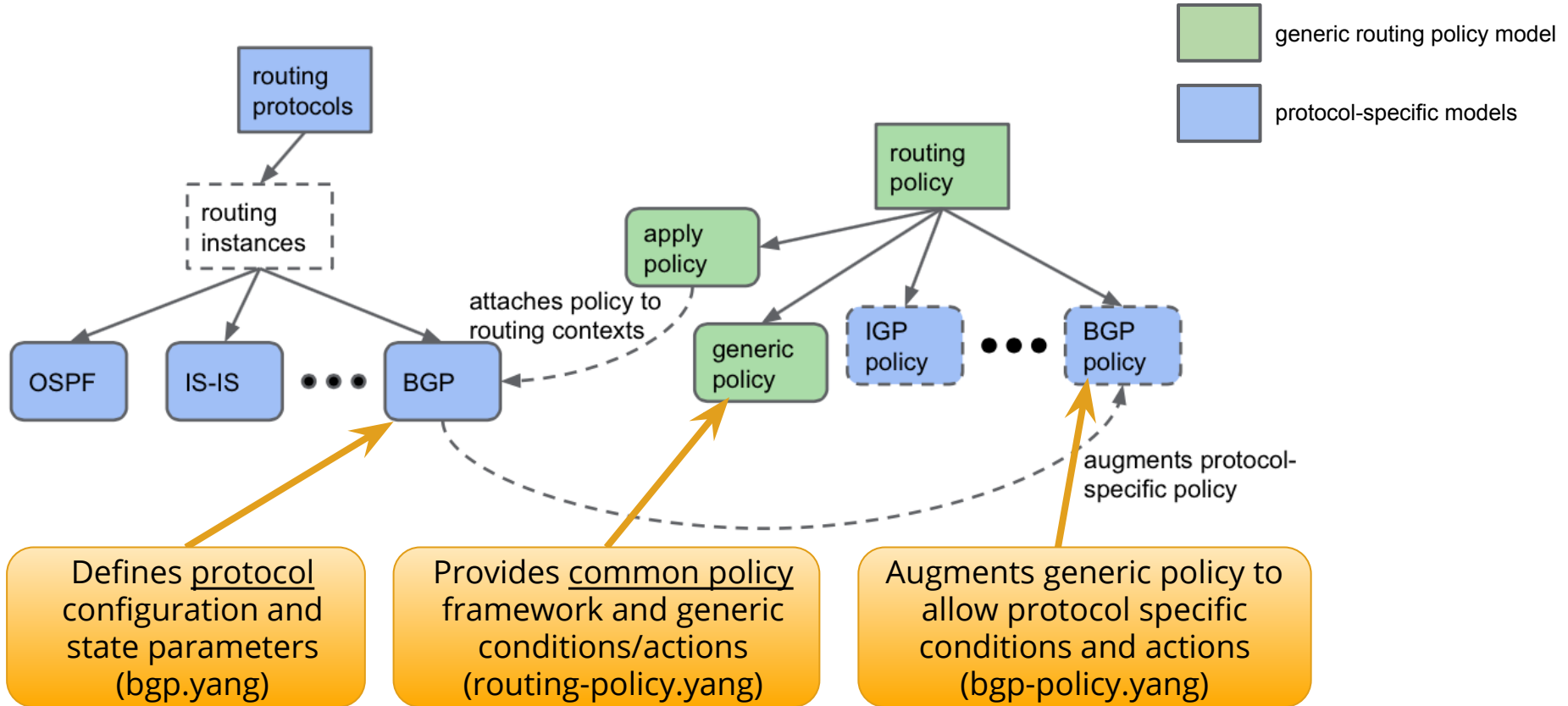
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[www.openconfig.net](http://www.openconfig.net)

# Recap of OpenConfig routing policy model

- OpenConfig operator working group -- models based on real usage
  - operators examining our own configurations and operational parameters
  - models focused on items that are available in major implementations
  - used in the development of new operator NMSes
- Scope of the routing policy model
  - General condition/action framework for expressing routing policy
  - Includes match-sets, generic conditions and actions, policy attachment points
  - Intended to be augmented with protocol-specific policy features
  - Reviewed by multiple operators, and incorporates feedback from a number of implementors

# Model structure and interactions



# Changes from -00 version

- Updates to policy model in draft -01
  - Modified the apply-policy container to use the OpenConfig proposal for organizing operational state (draft-openconfig-netmod-opstate)
  - Updated prefix lists to use ip-prefix type and masklength range to enable range-checking and validation
  - Fixes based on reviews
    - accept / reject route within a choice statement
    - added appropriate match-options for different sets
    - removed YANG 1.1 dependencies pending final approval
    - updated / fixed example in the draft
  - Consolidated type definitions in policy-types module
- Several vendor implementations in progress

# Next steps

- Continue implementation efforts and incorporation of feedback
- Request RTGWG adoption
  - routing policy model is a dependency for [IDR BGP model](#) (adopted for standards track)

Latest modules available in: `https://github.com/YangModels/yang/tree/master/experimental/openconfig`