

Origin Validation on the IETF Network

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Network overview

- 2 Juniper M7i routers (production code)
- 2 connections to Comcast; 1 Gbps, 800Mbps.
- Piles of switches, access-points, servers and similar.

Origin Validation

- 2 caches, 1 local, 1 remote.
- Policy:

```
policy-statement RPKI-Primary {
  term valid {
    from {
      protocol bgp;
      validation-database valid;
    }
    then {
      local-preference 210;
      validation-state valid;
      community add RPKI_Valid;
    }
  }
  term invalid {
    from {
      protocol bgp;
      validation-database invalid;
    }
    then {
      local-preference 190;
      validation-state invalid;
      community add RPKI_Invalid;
    }
  }
  term unknown {
    from {
      protocol bgp;
      validation-database unknown;
    }
    then {
      local-preference 200;
      validation-state unknown;
      community add RPKI_Unknown;
    }
  }
}
.....
```


Our space / some stats

- New IETF space signed under testbed TA, will sign under RIPE once PI allowed.

```
show route validation-state XXX | match \[ | count
```

- Valid: 9018
- Invalid: 1354
- Unknown: 422542

FIN / Questions?