

Yang Model for PCEP

draft-pkd-pce-pcep-yang-01

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Introduction

A YANG data model for the management of PCEP

- Includes configuration data and state data

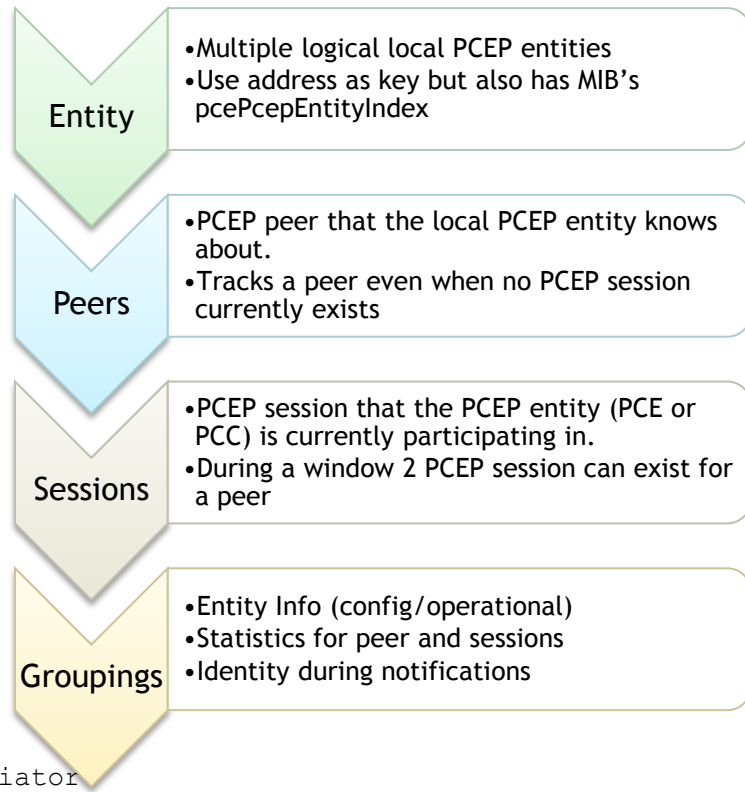
Base PCEP specification as per RFC 5440

- Mapped to PCEP-MIB

Will augment the base data model for advanced PCE features.

PCEP Data Model

```
module: ietf-pcep
+--rw pcep
|  +--rw entity* [addr-type addr]
|    +--rw addr-type          inet:ip-version
|    +--rw addr                inet:ip-address
|    +--...
|    +--rw peers
|      +--rw peer* [addr-type addr]
|        +--rw addr-type      inet:ip-version
|        +--rw addr           inet:ip-address
|        +--rw description?   string
+--ro pcep-state
+--ro entity* [addr-type addr]
+--ro index?          uint32
+--ro addr-type       inet:ip-version
+--ro addr            inet:ip-address
+--...
+--ro peers
+--ro peer* [addr-type addr]
+--ro addr-type       inet:ip-version
+--ro addr            inet:ip-address
+--...
+--ro sessions
+--ro session* [initiator]
+--ro initiator       pcep-initiator
+--ro state-last-change? yang:timestamp
+--ro state?          pcep-sess-state
+--...
```



Next Steps

Immediate Work

- PCE Capability, Domain, Scope etc
 - *Related to PCE-Discovery*

Advanced Feature

- Follow the order of standardization or jump to stateful PCE
- Separate document or same?

Call for collaboration

- Need for a design team?

Thanks!