

Consumer Facing Interface Data Model (draft-ietf-i2nsf-consumer-facing-interface-dm-00)

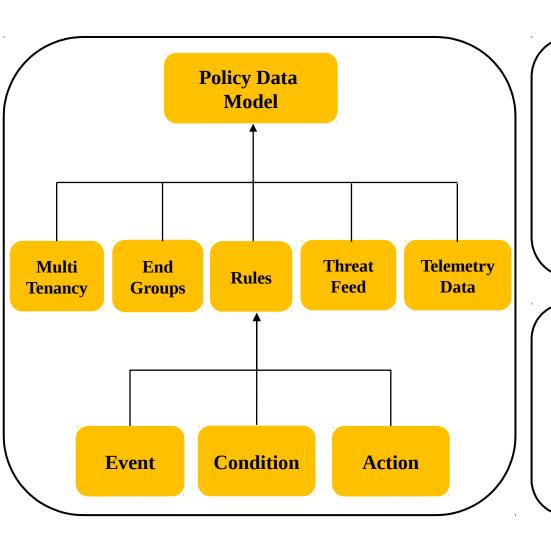
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Updates from the Previous Version

- The following changes are made from draft-jeong-i2nsf-c onsumer-facing-interface-dm-05
 - The YANG data model has been modified so that a policy-d omain object can have multiple tenants.
 - The overall organization of the YANG data model and its d ata types have also been reviewed and corrected.
 - The reviewed data tree model and YANG fully adopted Eve nt-Condition-Action (ECA) scheme.
 - Overall editorial errors have been corrected.

Overview

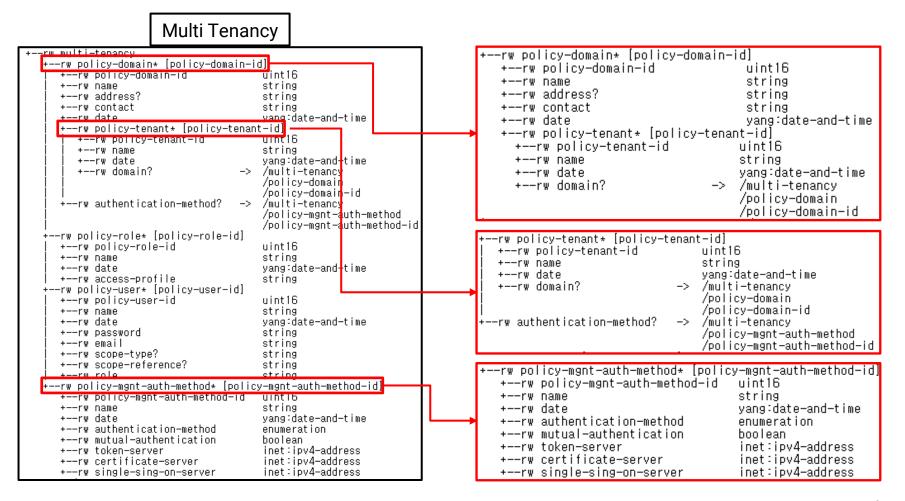


- The <u>main objective</u> of this document is to <u>fully transform</u> the information model into a <u>YANG data model</u>.
- This data model can be used for <u>delivering control via the</u> <u>Consumer-Facing Interface</u>.

 The information model is organized based on the "Event-Condition-Action" (ECA) policy model

Major Changes

■ The YANG data model has been modified so that a <u>policy-do-main object</u> can have <u>multiple tenants</u>.



Minor Changes

```
+--rw end-group

+--rw meta-data-source* [meta-data-source-id]

| ...

+--rw user-group* [user-group-id]

| ...

+--rw device-group* [device-group-id]

| ...

+--rw application-group* [application-group-id]

|| ...

+--rw location-group* [location-group-id]
```



The overall organization of the YANG data model and its **data types** have also been reviewed and corrected.

```
-rw meta-data-source* [meta-data-source-id]
   +--rw meta-data-source-id
                                       uint16
                                       string
                                       vang:date-and-time
   +--rw tag-type?
                                       boolean
                                       inet:ipv4-address
  +--rw tag-server-information?
  +--rw tag-application-protocol?
                                       string
  +--rw tag-server-credential?
                                       string
   rw user–group∗ [user–group–id]
   +--rw user-group-id
                                       uint16
   +--rw name?
                                       string
                                       yang:date-and-time
   +--rw date?
   +--rw group-type?
                                       enumeration
   +--rw meta-data-server?
                                       inet:ipv4-address
   +--rw group-member?
                                       string
  +--rw risk-level?
                                       uint16
  -rw device-group* [device-group-id]
   +--rw device-group-id
                                       uint16
   +--rw name?
                                       string
                                       vang:date-and-time
                                       enumeration
   +--rw group-type?
   +--rw meta-data-server?
                                       inet:ipv4-address
  +--rw group-member?
                                       string
  +--rw risk-level?
                                       uint16
  -rw application-group* [application-group-id]
   +--rw application-group-id
                                       uint16
   +--rw name?
                                       string
                                       yang:date-and-time
   +--rw group-type?
                                       enumeration
   +--rw meta-data-server?
                                       inet:ipv4-address
  +--rw group-member?
                                       string
  +--rw risk-level?
                                       uint16
+--rw location-group* [location-group-id]
```

Next Steps

We will discuss with the IM & DM teams for

- in-depth analysis on the information model and
- the generalization of the data model for more use cases, such as DDoS.