Information model for Client-facing Interface
draft-kumar-i2nsf-client-facing-interface-im-03

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Agenda

• Draft overview
• WG discussions
• Next steps and plans
Information model for client-facing interface
- Identify set of managed objects (resources)
- Relationship among these objects
- Objects and the relationship defines the interface

Based on WG draft requirements
- WG draft
  - draft-ietf-i2nsf-client-facing-interface-req

Managed objects for functional requirements
- Multi-tenancy related objects
  - Policy-Domain, Policy-Tenant, Policy-Role, Policy-User
  - Authentication-Method: password, token, certificate, SSO; mutual or not?
- End-point group objects
  - Meta-data source/endpoints group information source: LDAP, Active Directory, CMDB, GeoIP database, ...
  - User-group, Device-group, Application-group, Location-group
Draft overview ... (2/2)

- Threat prevention objects
  - Threat-feed, Custom-List, Malware-Scan, Event-Map

- Telemetry collection objects
  - Telemetry-Data, Telemetry-Source, Telemetry-Destination

- Security policy objects
  - Policy-Instance objet created using
    - Policy-Calendar, Policy-Action, Policy-Rule
  - Policy-Instance: rules, schedule methods
WG comments

➢ Any input?
Net steps and plans

Evolve draft based on requirements
  ▪ Update the draft whenever requirement draft get updated
    ○ WG client-facing interface requirement draft
      • draft-ietf-i2nsf-client-facing-interface-req

Incorporate ideas from co-authors discussions
  ▪ Not all ideas made to the draft because of IETF deadline
    ○ Continue hashing ideas on the table and add accordingly
    ○ Revisit managed objects
      • Contents and relationship

Incorporate ideas from WG mailing discussions
  ▪ Address comments received
    ○ Linda Dunbar
  ▪ Solicit inputs on the model
    ○ Completeness of the model itself
    ○ Content of managed objects
Thanks!

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