Note Well

This is a reminder of IETF policies in effect on various topics such as patents or code of conduct. It is only meant to point you in the right direction. Exceptions may apply. The IETF’s patent policy and the definition of an IETF "contribution" and "participation" are set forth in BCP 79; please read it carefully.

As a reminder:

- By participating in the IETF, you agree to follow IETF processes and policies.
- If you are aware that any IETF contribution is covered by patents or patent applications that are owned or controlled by you or your sponsor, you must disclose that fact, or not participate in the discussion.
- As a participant in or attendee to any IETF activity you acknowledge that written, audio, video, and photographic records of meetings may be made public.
- Personal information that you provide to IETF will be handled in accordance with the IETF Privacy Statement.
- As a participant or attendee, you agree to work respectfully with other participants; please contact the ombudsteam (https://www.ietf.org/contact/ombudsteam/) if you have questions or concerns about this.

Definitive information is in the documents listed below and other IETF BCPs. For advice, please talk to WG chairs or ADs:

- BCP 9 (Internet Standards Process)
- BCP 25 (Working Group processes)
- BCP 25 (Anti-Harassment Procedures)
- BCP 54 (Code of Conduct)
- BCP 78 (Copyright)
- BCP 79 (Patents, Participation)
- https://www.ietf.org/privacy-policy/(Privacy Policy)
IETF conduct guidelines

- The IESG has asked all chairs to remind their working groups of the need for appropriate behavior. This is described in more detail in BCP 54. In summary:
  1. IETF participants extend respect and courtesy to their colleagues at all times.
  2. IETF participants have impersonal discussions.
  3. IETF participants devise solutions for the global Internet that meet the needs of diverse technical and operational environments.
  4. Individuals are prepared to contribute to the ongoing work of the group.
IETF 117 Meeting Tips

This session is being recorded

In-person participants

- Make sure to sign into the session using the Meetecho (usually the “Meetecho lite” client) from the Datatracker agenda
- Use Meetecho to join the mic queue
- *Keep audio and video off if not using the onsite version*

Remote participants

- Make sure your audio and video are off unless you are chairing or presenting during a session
- Use of a headset is strongly recommended
Administrative

◆ Meetecho
  https://wws.conf.meetecho.com/conference/?group=ivy

Meetecho and other information:
https://www.ietf.org/how/meetings/117/preparation

◆ Participant view of controls and tabs
Administrative

- Minute takers
  - https://notes.ietf.org/notes-ietf-117-ivy
  - Anyone taking the minutes would be much appreciated.
- Bluesheets
  - will be automatically generated based on your datatracker information so there is no need to do anything further after you’ve authenticated with the IETF Datatracker to join the session.
- Reminder IPR Process:
  - Polling of draft authors & contributors
  - Prior to moving to next step in WG process (e.g., before an individual draft becomes a WG document or a WG document goes to last call)
  - Requires IPR compliance statement from all listed in draft
Session

- **Date:** July 27, 2023
- **Meeting Room:** Continental 8-9
- **Meeting Time:** 1:00 PM (Local), Thursday
- **Duration:** 120 Minutes

**IVY meeting material:**
https://datatracker.ietf.org/meeting/117/session/ivy/
1. Introduction (20 mins)
   WG kickoff: introduction, scope, charter review

2. An Inventory Management Model for Enterprise Networks (20 mins)
   Presenter: Bo Wu

3. A YANG Data Model for Network Hardware Inventory (20 mins)
   Presenter: Italo Busi

4. Asset Lifecycle Management and Operations, Problem Statement (10 mins)
   Presenter: Diego Lopez

5. Thoughts on network inventory overview (20 mins)
   Presenter: Qin Wu

6. Open Discussion (30 mins)
IVY Working Group Status

Chairs:
Daniele Ceccarelli (daniele.ietf@gmail.com)
Qiufang Ma (maqiufang1@huawei.com)

Responsible AD:
Rob Wilton (rwilton@cisco.com)
Welcome!

Some info on IVY

Why a new working group was created?
- A lot of excellent work being done in different WGs and different Areas.
- Some coordination needed:
  - Quoting our charter: “a common umbrella to facilitate distribution of the work, clarify the scope of each model, and minimize overlap between them.”

What is the objective of the working group?
- Core network inventory model
- Quoting the charter: derive common building-blocks for inventory modeling that can be augmented, imported, or reused by other IETF models.
WG objective and scope

• What is the scope of the working group?
  • Inventory of network elements (from layer 0 to layer 3...i.e. from optical devices to routers).
  • Hardware and software inventory
  • Mapping of produced model against existing ones (e.g. ietf-network-topology)

• What is not in scope
  • How to use the inventory content

• ...however...charters can be updated!
WG items

• Terminology and scope (of inventory): alignment with other SDOs
• HW and SW components: including licenses
• Physical locations
• Multi layer and multi domain
• Mapping and correlation semantics: with existing models
• Security and privacy: consider if additional mechanisms are needed

Milestones

<table>
<thead>
<tr>
<th>Date</th>
<th>Milestone</th>
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<tbody>
<tr>
<td>Jul 2024</td>
<td>Request publication of the below YANG data model.</td>
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<tr>
<td>Oct 2023</td>
<td>Adopt an Internet-Draft describing a core network inventory YANG data model that can be used as a foundation by other YANG models to establish technology-specific inventory models.</td>
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THANK YOU!