

# Asset Lifecycle Management and Operations (ALMO)

draft-palmero-ivy-ps-almo-00

draft-palmero-ivy-dmalmo-00

## **Authors:**

Frank Brockners (fbrockne@cisco.com)

Camilo Cardona (camilo@ntt.net)

Sudhendu Kumar (sudhendu.kumar.roy@gmail.com)

Diego Lopez (diego.r.lopez@telefonica.com)

Marisol Palmero (mpalmero@cisco.com)

## **Contributors:**

Shwetha Bhandari (shwetha.bhandari@thoughtspot.com)

Mohamed Boucadair (mohamed.boucadair@orange.com)

Ignacio Dominguez (ignacio.dominguezmartinez@telefonica.com)

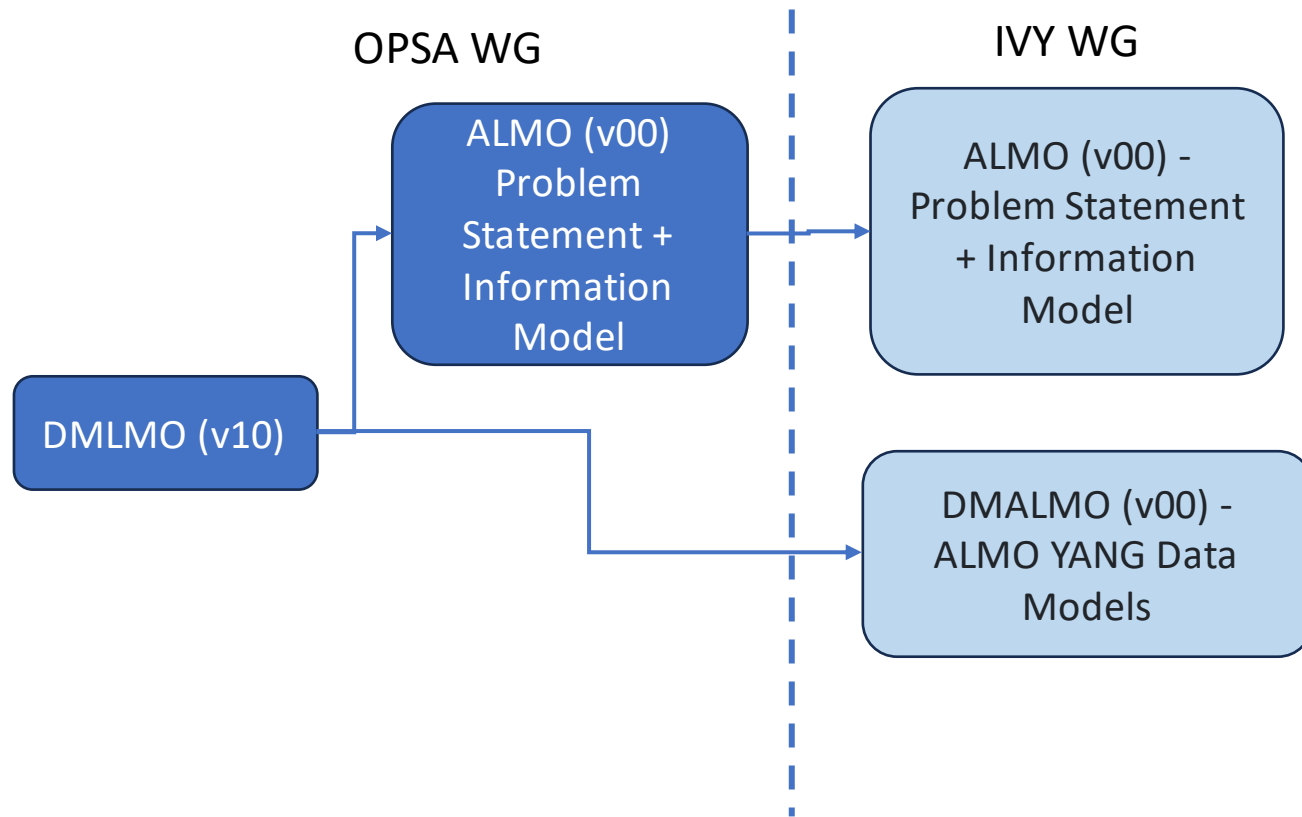
Jan Lindblad (jlindbla@cisco.com)

Gonzalo Salgueiro (gsalguei@cisco.com)

Yannis Viniotis (candice@ncsu.edu)

Éric Vyncke (evyncke@cisco.com)

# Going beyond the Restructuring of the LMO Proposal



- Introduced at IETF#118, Prague
  - No update since then
  - Intentionally
- Actively contributing in completing the base models
  - HW and SW drafts

Our main goal: Consensus on asset, feature & entitlement definitions

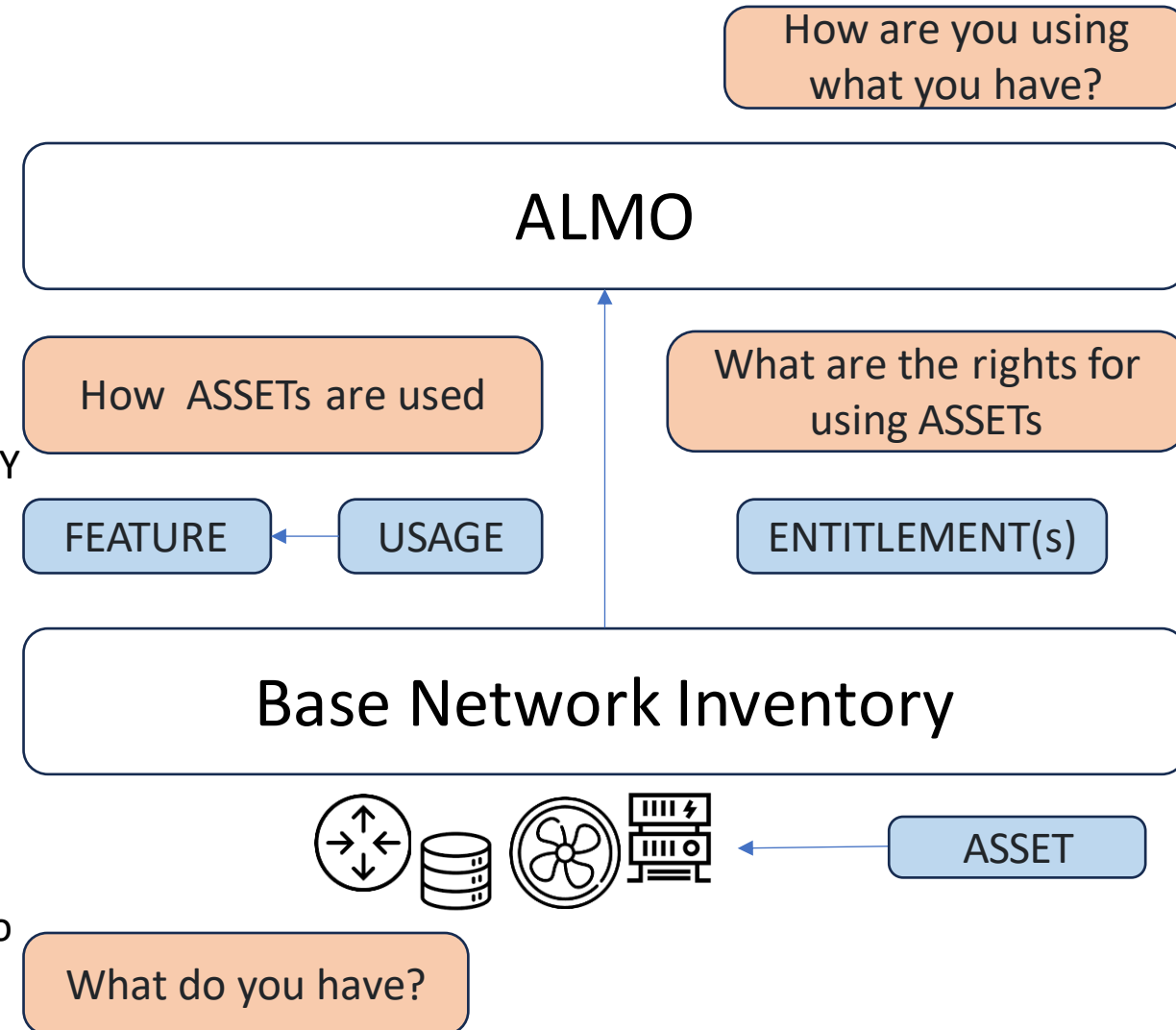
- Open issue #38 in Github

# Current Proposal for a Definition (Issue #38)

- **Asset:** In the TMF context, an asset is a valuable resource owned or controlled by an organization. This can include physical assets like hardware, logical assets like software, or informational assets like data.
- **Entitlement:** In the TMF context, an entitlement usually refers to the rights or privileges that a specific user or customer has within a system or service or even to access a certain feature. These rights or privileges are typically based on the user's subscription or contract terms.
- **Feature:** In the TMF context, a feature refers to a specific functionality or capability that a product, service, or system offers. When a customer subscribes to a service, they are given certain entitlements to use specific features.

# Making ALMO & DMALMO Progress within IVY

- Avoid duplication and inconsistencies
  - Inventory: what you have
  - Lifecycle: how you use it
- Common ground on essential concepts and models
  - Align terminology
  - Assets brings together the core models defined by IVY WG: software and hardware entities, including component of combination of any.
  - Entitlements
  - ...
- Make the drafts evolve on these foundations
- Identify and leverage synergies
  - Relying on IVY inventory models
  - Continuing being active reviewers and contributors to the WG evolution



# Questions to the WG & What's Next

- ALMO – Seeking for adoption once terminology is settled
  - Current v00, actually is v11
- DMALMO - Collaboration to identify meaningful use cases to test and improve YANG models
  - The DLMO models currently cover a good number of cases regarding entitlements
  - Should we follow this approach or just cover more simple cases?