Data Model for Lifecycle Management & Operations

DMLMO IETF draft revision 02

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https://datatracker.ietf.org/doc/draft-palmero-opsawg-dmlmo/

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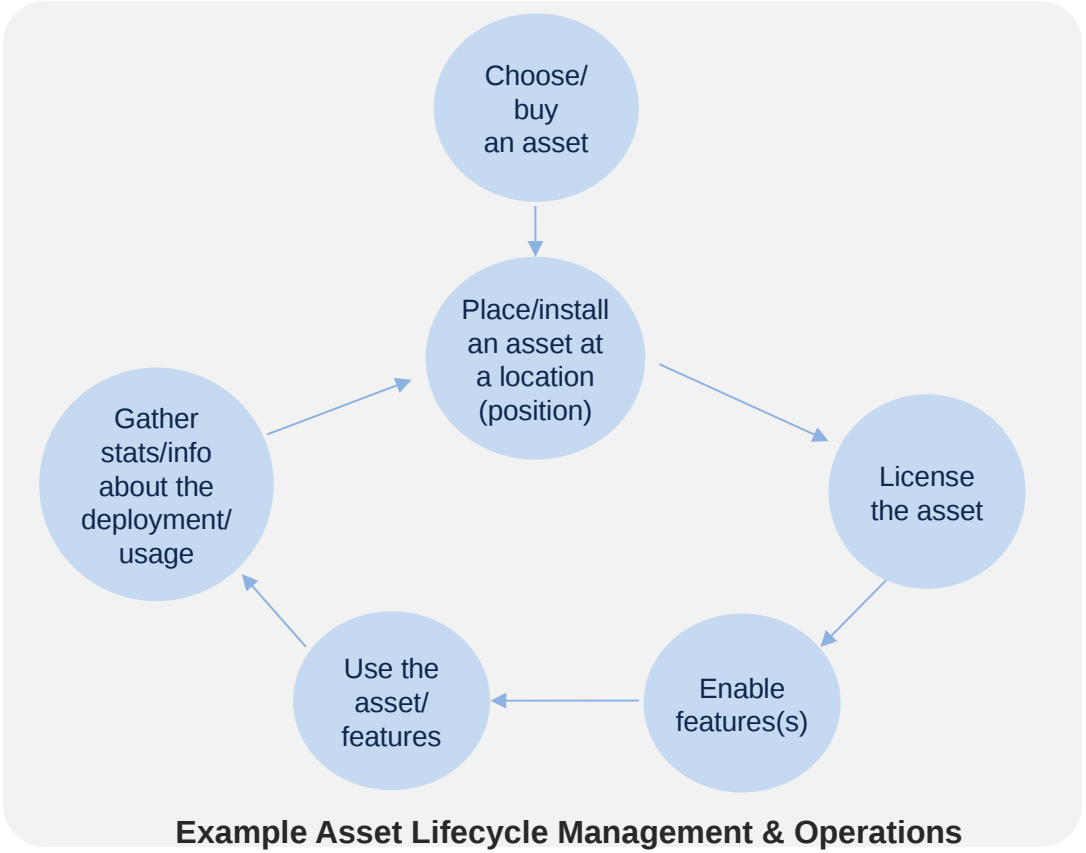
DMLMO IETF draft v02

Introduction

Facilitate the asset lifecycle management from the initial asset selection and positioning, licensing, feature enablement and usage, and beyond renewal to improve the overall user experience

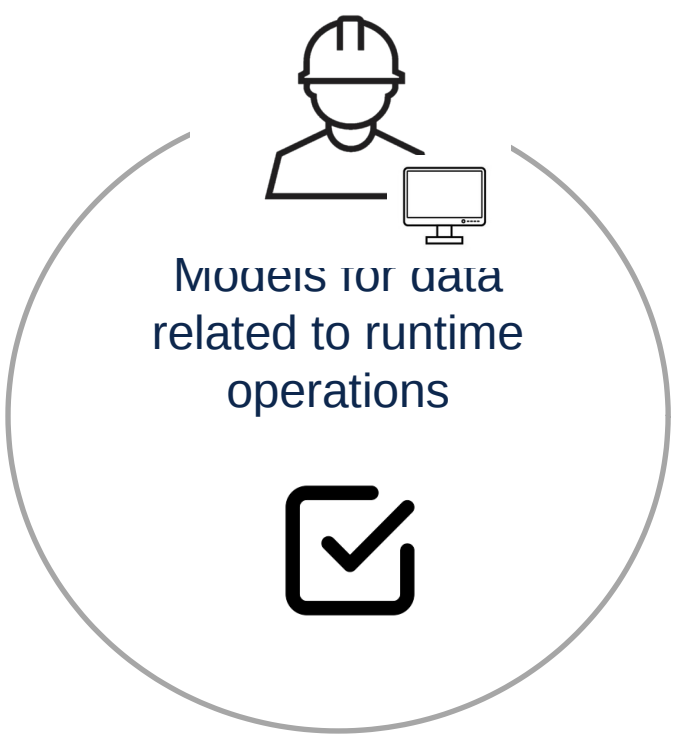
Lifecycle Management and Operations (LMO) data constitutes data needed to measure asset-centric lifecycle metrics including but not limited to:

- asset adoption and usability,
- licensing,
- supported and enabled features and capabilities.



Example Asset Lifecycle Management & Operations

Problem Statement for DMLMO



Objective: Enhance & improve the ability to quantify user experience through the use of asset(s), features(s) and/or licences(s).

References:

https://www.ietf.org/live/previous/live104/ietf104-hostser

https://www.claise.be/telemetry-model-driven-telemetry-operational-telemetry-business-telemetry-you-name-it-telemetry/

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Use cases

- License Inventory and Activation
- Features in Use
- Assets in Use
- Risk Mitigation Check (RMC)
- Errata
- Security Advisory
- Optimal Software Version (OSV)
- Asset Retirement - End of Life (EOL)

LMO Information Model

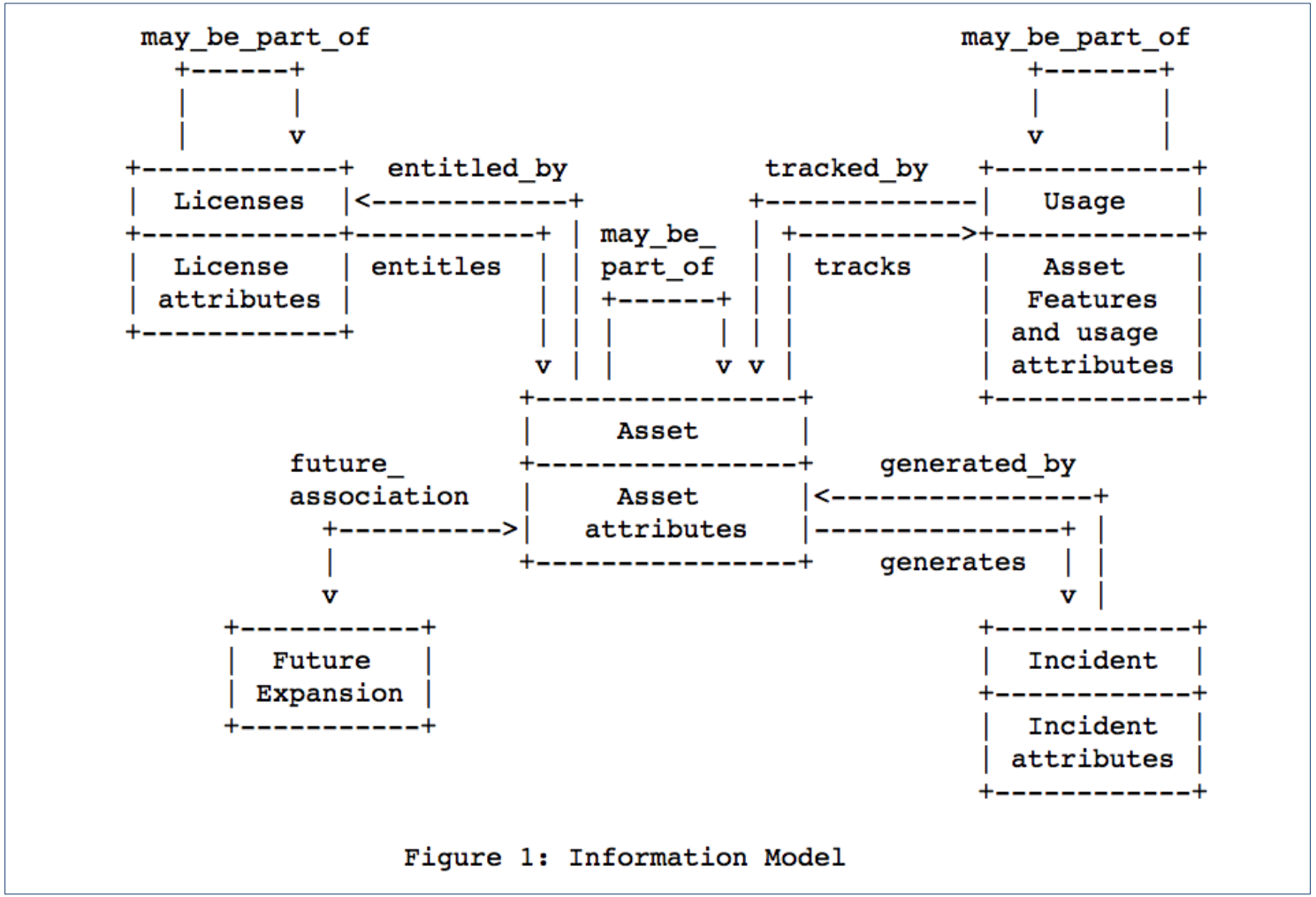

Figure 1: Information Model

Our Asks & Next Steps:

- We welcome and appreciate feedback from the working group
- Evolve the YANG modules:
  - Evolve attributes for “Assets in use”
  - Address for assets (MAC/IP), with purpose being management of the asset
  - Consider additional attributes for licenses to cover “combo” options for feature&assets
  - Consider organizational hierarchy / indentifiers