

A YANG Module for Entitlement Inventory

draft-ietf-ivy-entitlement-inventory

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Polishing towards Reviews and LC

- Specific updates to models and examples
 - A few types
 - Naming conventions
- Main focus on
 - Avoiding circular references
 - Extending security considerations

Specific Model Updates

- Values for restrictions moved to uint32

```
    +--ro capability-restrictions
+--ro capability-restriction* [restriction-id]
    +--ro restriction-id  string
    +--ro description?   string
    +--ro resource-name? string
    +--ro units?         string
    +--ro max-value?     uint32
    +--ro current-value? uint32
```

- Identifiers aligned with common YANG practice

```
+--ro entitlement-attachment
+--ro universal-access? boolean
    +--ro holders
        | +--ro organizations-names
        | | +--ro organizations* string
        | +--ro users-names
        | +--ro users* string
```

On References and Security

- Specific warnings about circular references among entitlements
 - Direct bi-directional references are prohibited
 - Deeper circular references can not be formally avoided
 - Recommendations to management systems to identify and correct them
- Enhanced security considerations
 - On data commercial sensitivity
 - On data exploitability and entitlement tampering
 - On information disclosure and secure channels

What Comes Next

- The document is essentially completed
 - Concepts, model and examples
 - Recent work has been focused on polishing specific matters
- We believe it is time to start formal reviews
 - For sure, any further comment from the WG
 - Especially regarding use case mapping to scenarios
 - YANG Doctors
 - Shepherd
 - . . .
- Aiming at last call once these phases are completed