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# Defining and Using Metadata with YANG

draft-ietf-netmod-yang-metadata-02

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# Changes since -01

- **type** is mandatory.
- definitions of annotations SHOULD NOT be in the same module with data node definitions, groupings etc.
- an uncontroversial example is used (`last-modified`).
- text was added that describes deliberate limitations:
  - scalar values only,
  - annotations can be attached to list entries, not to the entire list.

# Current Status

Two WG Last Calls – 4 reviews, other comments.

## **Open issues:**

1. conformance,
2. restrictions on placement.

# Issue #1: conformance

**Syntax:** an implementation may not be able to parse annotations in the payload.

**Proposal:** YANG spec could require that implementations be prepared to receive annotations.

**Semantics:** support for a given annotation.

Outside the scope of this document, other means have to be used for guaranteeing conformance where necessary.

## Issue #2: restrictions on placement

Robert Varga proposed to add a statement specifying restrictions on the placement of annotations (pointcut in aspect-oriented programming).

### **Options:**

- A. no change (restrictions may follow from annotation's semantics),
- B. statement in annotation's definition (**when?**),
- C. annotation as a new data node type.