

Version Gaps

<https://github.com/netmod-wg/yang-ver-dt/issues/61>

NETMOD Virtual Interim

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Issue Statement

- Can there be gaps in the semantic version history?
- Allowing gaps could break “import revision-or-derived”
 - If a version lineage goes 1.0, 1.1, 1.3, how would an import of 1.2 work?
 - The revision-label 1.2 is not tied to any entry in the history
 - Likewise, can you import by a revision date that does not exist?
- Can one strip revisions from a module?
- Stripping versions saves file space but brings risk
 - Cannot resolve revision-or-derived at a certain point
 - Lose visibility into any “nbc” tags in a given revision

Proposal

- Gaps in semver revision-labels are *ALLOWED*
- One can only import by revision or derived from an existing semver label
- If a label cannot be found in the revision history, import fails as if the revision of the module could not be found

Proposal (cont.)

- Pruning revisions out of history SHOULD NOT be done
- If one does this because they want to simplify history or prevent importing from a specific revision be aware:
 - Visibility into “nbc” revisions will be lost
 - Imports may break since derived lineage cannot be confirmed