

YANG Status

draft-ietf-netmod-yang-08

IETF 76

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Summary of changes since -07

- Added 'reference' as a substatement to 'revision'.
- Added 'choice' as a substatement to 'case'.
- Clarifications based on ML comments, mostly around defaults.

Open issue: system-creatable

It is not clear if, or under which circumstances, the server is allowed to modify the configuration data.

The following choices were sent out to the ML. Most people preferred or could live with option 2.

1. Do nothing in the draft and let implementations and data models figure out how/if/when/why the server can modify the configuration data.
2. Do nothing but write in the document that we *know* it's an issue but we're still not doing anything.
3. Add text that says that the server **MUST NOT** modify config data unless dictated by the data model (through description clauses or future extensions).
4. Add text that says that the server is free to modify config data in any way it wants, unless constrained by the data model (through description clauses or future extensions).
5. Add formal statements (e.g. the proposed system-creatable statement) to control how the server can modify config.

Open issue: changing a default

-08 removed the possibility to add a default statement when a module is updated. It was noted on the ML that this was probably too restrictive.

Alternatives:

1. No updates on defaults. Ever. (currently in -08)
2. Allow an update to add a default (which is what -07 tried to do) Proposed text:

A "default" statement may be added to a leaf that does not have a default value (either directly or indirectly through its type).

3. Allow an update to add / change / delete defaults. The problem is that a client will not know which default is in use on a server, unless we require full usage of import- and include-by-revision.

Proposal: Add the text in 2.

Next steps

- Publish -09 with the open issues fixed.
- Unless there are any other, unidentified issues, I think the document is ready for WGLC.