

# YANG Revision Label

IETF 118 Hackathon  
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NETMOD WG

# Hackathon project

Add support to YANG tooling for  
**revision-label** and **recommended-min**

From ongoing NETMOD WG work  
on module versioning and YANG Semver

# YANG module revisions

```
revision 2023-11-05 {  
    description  
        "Some release.";  
}
```

# YANG Module Versioning

## YANG Semver

- draft-ietf-yang-module-versioning
- draft-ietf-yang-semver
- New YANG module filename
  - <mod>#<label>.yang
- Adds revision-label
- Adds recommended-min for import

# YANG module revision-label

```
import ietf-yang-revisions {  
    prefix rev;  
}  
  
revision 2023-11-05 {  
    rev:revision-label "1.0.0";  
    description  
        "Some release.";  
}
```

# YANG module recommended-min

```
import ietf-yang-revisions {  
    prefix rev;  
}  
  
import ietf-yang-semver {  
    rev:recommended-min "1.0.0";  
    prefix ysver;  
}
```

# pyang

## Project managed to get PoC support into pyang

```
$ bin/pyang --check-update-from m#1.0.0.yang m#1.0.2.yang
```

```
m#1.0.2.yang:11: warning: imported module "ietf-yang-semver"  
not used
```

```
m#1.0.2.yang:20: warning: the revision-label statements are  
not given in reverse chronological order
```

```
m#1.0.2.yang:23: warning: the recommended-min is lower than  
any revision-label available
```