



YANG Instance Data format

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[draft-ietf-netmod-yang-instance-file-format-03](#)

Concept

- › Many use-cases where documenting YANG Instance data in files is useful
 - Documenting server capabilities
 - Preloading default configuration data
 - Documenting Factory Default Settings
 - Storing diagnostics data
 - etc.
- › Define a standard file format
 - Meta-data about the instance data set
 - XML or JSON encoding

Changes 02 - 03

- › target renamed to "content-schema" and "content defining Yang module(s)"
- › **name** of instance-data-set now optional
- › Updated according to draft-ietf-netmod-yang-data-ext
- › Clarified that entity-tag and last-modified timestamp are encoded as metadata.
 - While they contain useful data, the HTTP-header based encoding from Restconf is not suitable.

```
<instance-data-set xmlns="urn:...:ietf-yang-instance-data">
  <name>read-only-acm-rules</name>
  <inline-spec>ietf-yang-library@2019-01-04.yang
                                </inline-spec>
  <inline-content-schema>
    <yang-library xmlns="urn:...:ietf-yang-library">
      <module-set>
        <name>all</name>
        <module>
          <name>ietf-netconf-acm</name>
          <revision>2012-02-22</revision>
        </module>
      </module-set>
    </yang-library>
  </inline-content-schema>
  <revision>
    <date>1776-07-04</date>
    <description>Initial version of data</description>
  </revision>
  <description>Access control rules for a read-only
                role.</description>
```

```
<content-data>
  <nacm xmlns="urn:...:ietf-netconf-acm">
    <enable-nacm>true</enable-nacm>
    <read-default>deny</read-default>
    <exec-default>deny</exec-default>
    <rule-list>
      <name>read-only-role</name>
      <group>read-only-group</group>
      <rule>
        <name>read-all</name>
        <module-name>*</module-name>
        <access-operation>read</access-operation>
        <action>permit</action>
      </rule>
    </rule-list>
  </nacm>
</content-data>
</instance-data-set>
```