

LABORATORIO 2.3

José Manuel Gutiérrez Pérez

```
C:\WINDOWS\system x + v
Created wheel for pyang: filename=pyang-2.6.0-py2.py3-none-any.whl size=594153 sha256=62695c10ba7da0461b223e053ecfa0f24624087f4f49abcf1233fc16d8317a5e
Stored in directory: c:\users\josem\appdata\local\pip\cache\wheels\d8\92\6c\9c4bd1c1e24f5dd57ff874290f77e7d998d2b2f5030da2b2f2e
Successfully built pyang
Installing collected packages: lxml, pyang
Successfully installed lxml-4.9.3 pyang-2.6.0

[notice] A new release of pip is available: 23.2.1 -> 23.3.1
[notice] To update, run: python.exe -m pip install --upgrade pip

C:\Users\josem>pyang -v
Traceback (most recent call last):
  File "<frozen runpy>", line 198, in _run_module_as_main
  File "<frozen runpy>", line 88, in _run_code
  File "C:\Users\josem\AppData\Local\Programs\Python\Python312\Scripts\pyang.exe\_main_.py", line 4, in <module>
  File "C:\Users\josem\AppData\Local\Programs\Python\Python312\Lib\site-packages\pyang\scripts\pyang_tool.py", line 12, in <module>
    from pyang import plugin
  File "C:\Users\josem\AppData\Local\Programs\Python\Python312\Lib\site-packages\pyang\plugin.py", line 5, in <module>
    import pkg_resources
ModuleNotFoundError: No module named 'pkg_resources'

C:\Users\josem>pip install setuptools
Collecting setuptools
  Obtaining dependency information for setuptools from https://files.pythonhosted.org/packages/bb/e1/ed2dd0850446b8697ad28d118df885ad04140c64ace06c4bd559f7c8a94f/setuptools-69.0.2-py3-none-any.whl.metadata
  Using cached setuptools-69.0.2-py3-none-any.whl.metadata (6.3 kB)
  Using cached setuptools-69.0.2-py3-none-any.whl (819 kB)
Installing collected packages: setuptools
Successfully installed setuptools-69.0.2

[notice] A new release of pip is available: 23.2.1 -> 23.3.1
[notice] To update, run: python.exe -m pip install --upgrade pip

C:\Users\josem>pyang -v
pyang 2.6.0

C:\Users\josem>
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C:\WINDOWS\system + +
ietf-interfaces.yang:11: error: module "Cisco-IOS-XE-types" not found in search path
ietf-interfaces.yang:15: error: module "Cisco-IOS-XE-features" not found in search path
ietf-interfaces.yang:19: error: module "Cisco-IOS-XE-interface-common" not found in search path

C:\Users\josen\Downloads>pyang -f tree ietf-interfaces.yang
module: ietf-interfaces
+--rw interfaces
|
|   +--rw interface* [name]
|   |   +--rw name                string
|   |   +--rw description?        string
|   |   +--rw type                identityref
|   |   +--rw enabled?            boolean
|   |   +--rw link-up-down-trap-enable? enumeration {if-mib?}
|   +--ro interfaces-state
|   +--ro interface* [name]
|   |   +--ro name                string
|   |   +--ro type                identityref
|   |   +--ro admin-status        enumeration {if-mib?}
|   |   +--ro oper-status        enumeration
|   |   +--ro last-change?        yang:date-and-time
|   |   +--ro if-index            int32 {if-mib?}
|   |   +--ro phys-addr?         yang:phys-address
|   |   +--ro higher-layer-if*    interface-state-ref
|   |   +--ro lower-layer-if*    interface-state-ref
|   |   +--ro speed?             yang:gauge64
|   +--ro statistics
|   |   +--ro discontinuity-time  yang:date-and-time
|   |   +--ro in-octets?         yang:counter64
|   |   +--ro in-unicast-pkts?   yang:counter64
|   |   +--ro in-broadcast-pkts? yang:counter64
|   |   +--ro in-multicast-pkts? yang:counter64
|   |   +--ro in-discards?      yang:counter32
|   |   +--ro in-errors?        yang:counter32
|   |   +--ro in-unknown-protos? yang:counter32
|   |   +--ro out-octets?       yang:counter64
|   |   +--ro out-unicast-pkts? yang:counter64
|   |   +--ro out-broadcast-pkts? yang:counter64
|   |   +--ro out-multicast-pkts? yang:counter64
|   |   +--ro out-discards?     yang:counter32
|   |   +--ro out-errors?      yang:counter32
C:\Users\josen\Downloads>
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