

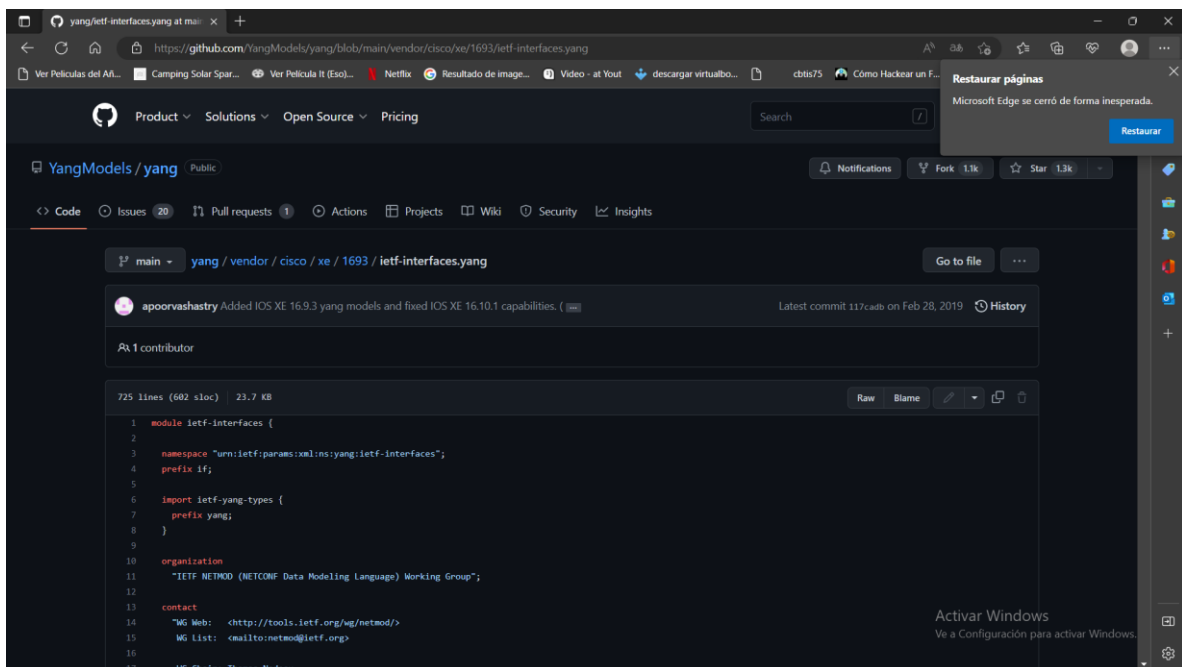
```
C:\WINDOWS\system32\cmd.exe
Microsoft Windows [Versión 10.0.22000.1219]
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C:\Users\foser>pip install --no-binary pyang pyang
DEPRECATION: --no-binary currently disables reading from the cache of locally built wheels. In the future --no-binary will not influence the wheel cache. pip 23.1 will enforce this behaviour change. A possible replacement is to use the --no-cache-dir option. You can use the flag --use-feature=no-binary-enable-wheel-cache to test the upcoming behaviour. Discussion can be found at https://github.com/pypa/pip/issues/11453
Requirement already satisfied: pyang in c:\users\foser\appdata\local\programs\python\python310\lib\site-packages (2.5.3)
Requirement already satisfied: lxml in c:\users\foser\appdata\local\programs\python\python310\lib\site-packages (from pyang) (4.9.1)

C:\Users\foser>pyang -v
pyang 2.5.3

C:\Users\foser>
```

Instalación yang y verificación del mismo



Se busca dentro del repositorio de github

```
C:\WINDOWS\system32\cmd.exe
2 dirs  67,358,480,512 bytes libres

C:\Users\foser\Documents>dir
El volumen de la unidad C no tiene etiqueta.
El número de serie del volumen es: F620-5306

Directorio de C:\Users\foser\Documents
29/11/2022  11:03 p. m.    <DIR>          .
24/11/2022  08:54 p. m.    <DIR>          .
29/11/2022  10:54 p. m.      24,248 ietf-interfaces.yang.txt
1 archivos      24,248 bytes
2 dirs  67,360,251,904 bytes libres

C:\Users\foser\Documents>pyang -f tree ietf-interfaces.yang.txt
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-address?       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\foser\Documents>
```

Utilizar la herramienta pyang para transformar los archivos YANG a un formato legible para el ser humano, por ejemplo utilizando la transformación de formato "árbol".