

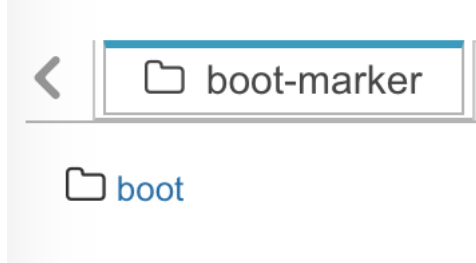
Yang Cheat Sheet

Common Errors:

- You forgot a semi-colon! You forgot a closing curly bracket! You forgot to define the type of a leaf! You misspelled something! You forgot your key for a list!

Data Types:

- **Container**: An organizational collection of other data types, which itself contains no data (think a folder directory). Represented in the NSO GUI with a folder symbol, for example:



- **Leaf**: a piece of data (also often called a node). Represented in the NSO GUI with a text field, for example:

hostname

aar02-lab-gw1

-
- or multiple leafs:

INFO
version

15.5(3)S2

xe-version

03.16.02.S

model

ISR4451-X/K9

- **List:** a list of items (think excel spreadsheet), where the lookup key needs to be a unique value. The lookup key can be of any type, but often is a leaf. Represented in the NSO GUI with three horizontal lines, or an spreadsheet like list of entries, for example:

| | | | | | | | | | |
|-----------------------------|----------|-------------|---------------------------|----------|---------|-------------|-----------|-------|--------|
| GigabitEthernet IEEE 802.3z | | | | | | | | | |
| # | name (k) | mac-address | description | port-... | queu... | media-type | channe... | speed | duplex |
| <input type="checkbox"/> | 0 | | | | | auto-select | | auto | auto |
| <input type="checkbox"/> | 0/0/0 | | to aar02-wan-gw1 | | | auto-select | | 1000 | auto |
| <input type="checkbox"/> | 0/0/1 | | | | | auto-select | | auto | auto |
| <input type="checkbox"/> | 0/0/2 | | | | | auto-select | | auto | auto |
| <input type="checkbox"/> | 0/0/3 | | | | | auto-select | | auto | auto |
| <input type="checkbox"/> | 1/0/0 | | to Aarhus Field Lab:14007 | | | auto-select | | auto | auto |

- Note though for interfaces (a common yang model used), the interfaces are in a container and the interface type is a list.