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# Port configuration

The port configuration tool provides a way to change the settings of one or more ports on a node with ease: change the [port template](#), port state (shut) and / or mode (auto/full/half)

## Port template

Based on the vendor- and client type, the available [port templates](#) for the selected node will be presented in a pull-down menu.

## Shut

To shut or un-shut a port, 'N' is the default.

## Speed

Configure a specific link speed on a port, 'Auto' is the default.

## Mode

To specify full- or half duplex communications, 'Auto' is the default.

## Changing port settings using the Port configuration tool

A little demonstration of the tool, we start with the following port configuration, as you can see, port 20, 23 and 24 are shut at the moment and the mode and speed is set to 'Auto' for every port.

<input type="checkbox"/>	FastEthernet 0/20	UCL_acc_fa_staff	Y	Auto	Auto
<input type="checkbox"/>	FastEthernet 0/21	UCL_acc_fa_server	N	Auto	Auto
<input type="checkbox"/>	FastEthernet 0/22	UCL_acc_fa_trunk	N	Auto	Auto
<input type="checkbox"/>	FastEthernet 0/23	UCL_acc_fa_server	Y	Auto	Auto
<input type="checkbox"/>	FastEthernet 0/24	UCL_acc_fa_server	Y	Auto	Auto

After some modifications none of the ports are shut anymore, port 21 and 24's speed has been set to 10 and also half duplex, port 20 has been set to 10000 and full duplex, port 22 has been changed to 1000 and half duplex, port 23 to 100 and full duplex and port 25 is now 10 and half duplex.

<input checked="" type="checkbox"/>	FastEthernet 0/20	UCL_acc_fa_staff	Y	10000	Full
<input checked="" type="checkbox"/>	FastEthernet 0/21	UCL_acc_fa_server	N	10	Half
<input checked="" type="checkbox"/>	FastEthernet 0/22	UCL_acc_fa_trunk	N	1000	Half
<input checked="" type="checkbox"/>	FastEthernet 0/23	UCL_acc_fa_server	Y	100	Full
<input checked="" type="checkbox"/>	FastEthernet 0/24	UCL_acc_fa_server	Y	10	Half

To apply these changes in the netYCE system, click the “Update settings” button: the page will reload. At this moment the device's configuration is not changed yet: click the “Generate ports” button to generate the needed configuration to apply these changes

**Change-id:**

☒ **Verbose**

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JobID: 0727\_0010

**Port configuration for A-004-004**

```
!
! Default the interface
default interface FastEthernet0/20
!
!
Interface FastEthernet0/20
  description UCL Access Staff
  no ip address
  shutdown
!
!
! Default the interface
default interface FastEthernet0/21
!
!
Interface FastEthernet0/21
  description UCL Access Servers
  switchport access vlan 200
  switchport mode access
  switchport nonegotiate
  switchport port-security
  switchport port-security maximum 1
  switchport port-security aging time 1
  switchport port-security violation restrict
  switchport port-security aging type inactivity
  no cdp enable
  spanning-tree portfast
  speed Auto
  duplex Auto
  no shutdown
!
```

To push this configuration to the node click the “Push to switch” button, depending on your netYCE configuration a Change-id might be needed (see the [Job Configuration](#) page for more information about this).

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