**Cisco packet tracer**

* In the above task bar we have file, edit, option, view, tools, extensions, window and help.
* In tools section we have drawing palette, custom device dialog, script project manager, clusters associations dialog.

Now what is drawing palette in cisco?

* A tool that contains icons representing nodes used in scripts.
* The HWIC-1GE-SFP is a single-wide HWIC with one Small Form-Factor Plug gable (SFP) slot. The SFP slot can be populated with Cisco copper and optical Gigabit Ethernet SFPs to provide 1-port Gigabit Ethernet connectivity on all Cisco Integrated Services Routers
* The HWIC-2T is a Cisco 2-Port Serial High-Speed WAN Interface Card, providing 2 serial ports.
* The HWIC-4ESW provides four switching ports.
* The HWIC-8A provides up to eight asynchronous EIA-232 connections to console ports.
* The WIC cover plate provides protection for the internal electronic components. It also helps maintain adequate cooling by normalizing airflow.
* The 1000BASE-LX/LH SFP operates in Gigabit Ethernet ports of Cisco Industrial Ethernet and Smart Grid switches and routers
* The PT-HOST-NM-1AM card features dual RJ-11 connectors, which are used for basic telephone service connections. The WIC-1AM uses one port for connection to a standard telephone line, and the other port can be connected to a basic analog telephone for use when the modem is idle.
* The PT-HOST-NM-1CE features a single Ethernet port that can connect a LAN backbone which can also support either six PRI connections to aggregate ISDN lines, or 24 synchronous/asynchronous ports.
* The HWIC-1GE-SFP is a single-wide HWIC with one Small Form-Factor Pluggable (SFP) slot. The SFP slot can be populated with Cisco copper and optical Gigabit Ethernet SFPs to provide 1-port Gigabit Ethernet connectivity on all Cisco Integrated Services Routers
* There are different types of routers.
* Pc-pt-pc1
* PC
* Laptop
* Server
* Meraki server
* Network controller
* Printer
* IP Phone
* VoIP device
* Phone
* TV Tablet
* Smart Phone
* Generic Wireless
* Generic Wired
* Sniffer
* MCU -PT PC1
* MCU Board
* SBC Board
* Connections
* Heating Element
* Metal Sensor
* Smart LED
* Push Button Toggle Switch
* Photo Sensor
* Humidity Sensor
* Alarm
* Motion Sensor
* Push Button
* Water Detector
* Rocker Switch
* Water Sensor
* Flex Sensor
* Membrane Potentiometer
* Generic Environment Sensor
* Potentiometer
* Water sensor
* Wind Sensor
* Toggle Push Button
* Air cooler
* Alarm
* Ceiling Sprinkler
* Dimmable LED
* Speaker
* Servo
* RGB LED

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