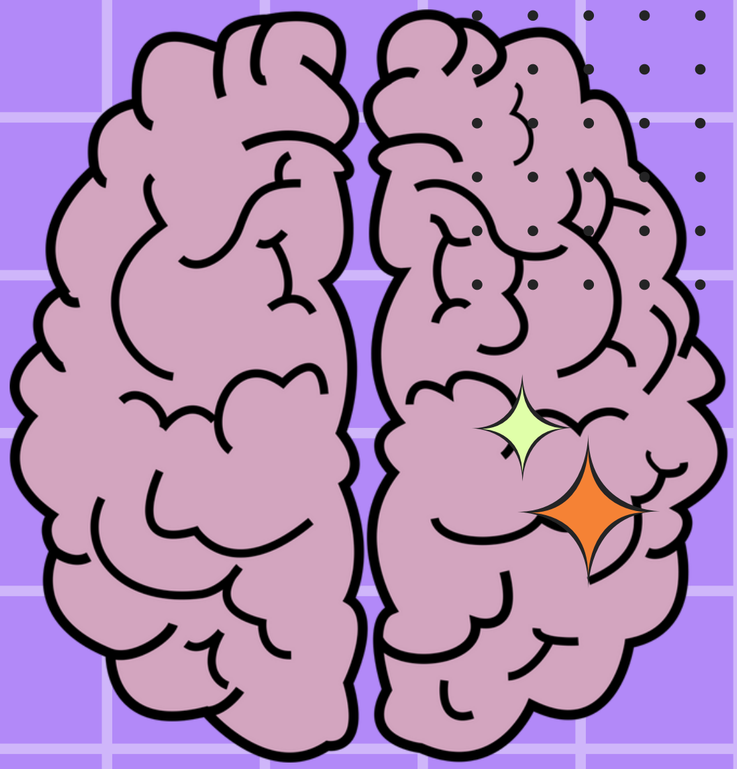
TREE TOPOLOGY

By SPY TECH

WHAT IS TREE TOPOLOGY?

A tree topology is also known as a star bus topology. It incorporates elements of both a bus topology and a star topology.

In bus topology, different nodes are connected to a single cable while in a star topology, all nodes are connected to a central hub. Tree topology is made by connecting various star topologies via central bus backbone cable. It is used for expansion of the network.



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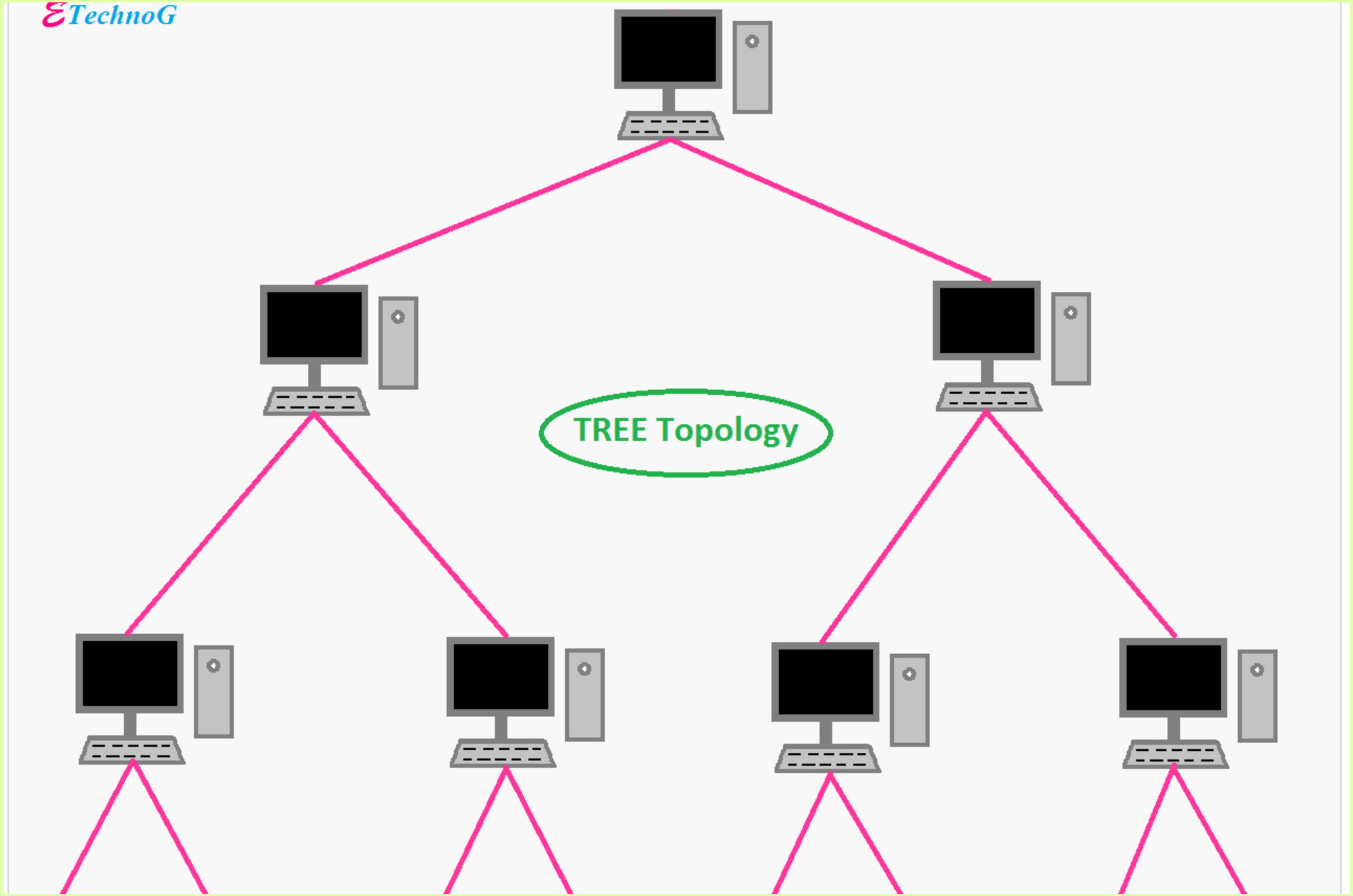
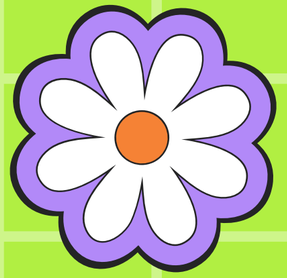


WHAT IS IT USED FOR?

Tree topology is often used to connect multiple devices, such as printers and computers, in a home or small office. Tree topology is commonly used to create bus networks, where each device is connected to a central server.

ADVANTAGES



- Easier detection of error.
- Failure of a solo node will not disturb the other nodes.
- Tree topology does not require any particular type of cable.
- We can expand tree topology easily.

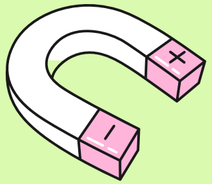
DISADVANTAGES

- Difficulty in maintenance and configuration.
- Difficult to install a tree topology network.
- Tree topology poses high-security threats.
- If the main cable of the topology collapses, the whole network will also collapse.

LETS DISCUSS!

A scenario will now be shared with you speaking about the use of Tree Topology.

HACKERS PHARMACY



INTERNET ROUTER

HUB/SWITCH

PRINTER

PHARMACIST

CASHIER

PRINTER

POS

THANK YOU

I hope you got useful knowledge from this presentation.