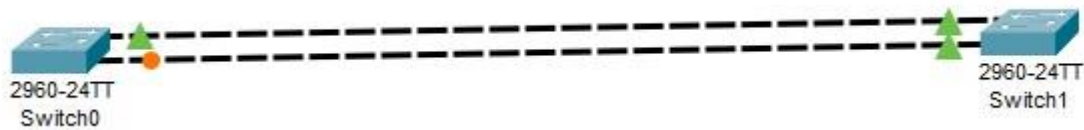# Redundant Topology

Transfer of data from one place to other by multiple options or paths.

Redundant topology by sharing data when one path is block use several other to transfer the data.
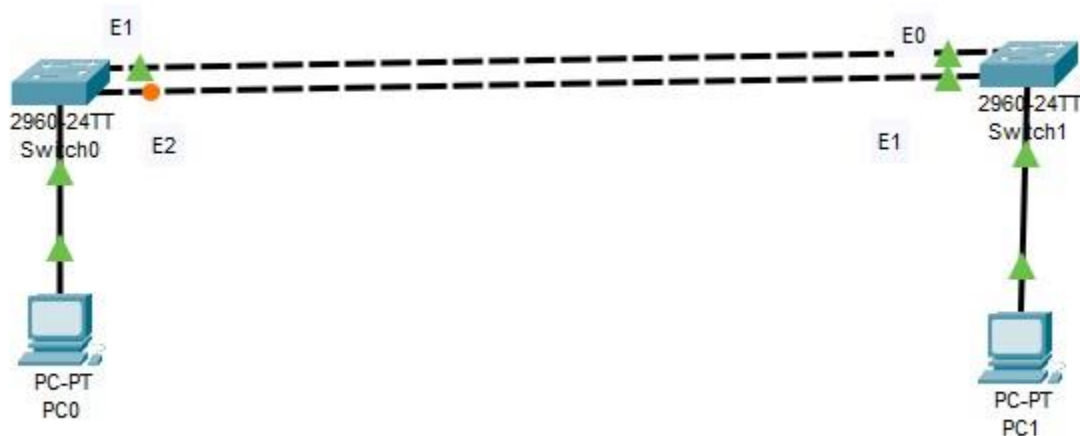
By sharing shorty we use redundant.

Problems

1. Multiple Frame Copies
2. Mac-Address unstable
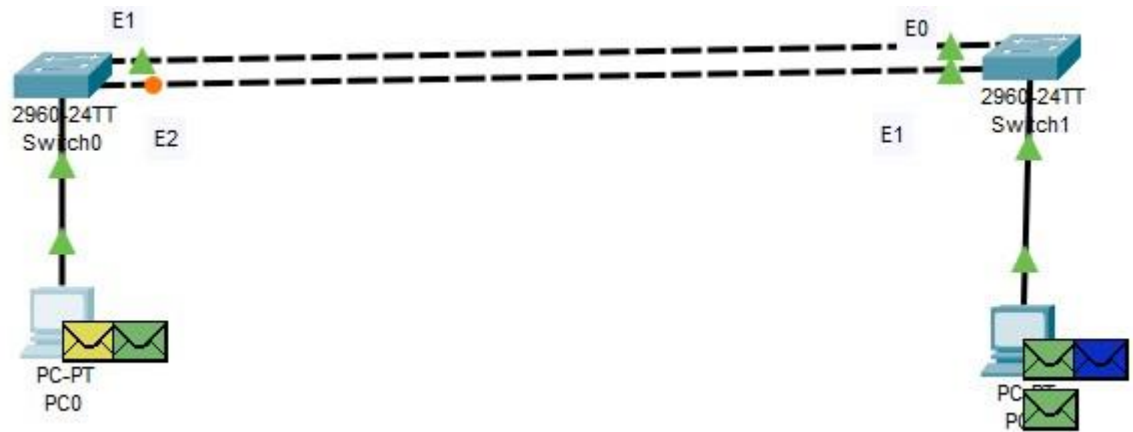3. Broad-cast storm

Multiple Frame Copies

Multiple copies of the same frame can cause unrecoverable errors.
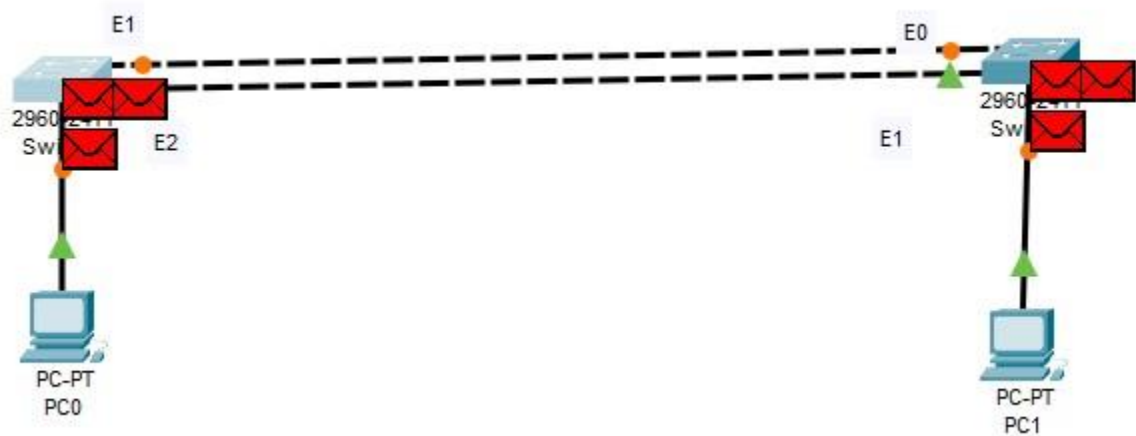
Mac-Address unstable:

Multiple PCs have the same Mac-Address. So system is imbalanced.

Port	Mac-Address
PC0 /E0	000.ABC.111
PC1 /E1	000.ABC.111

Copy get from E0 and E1.

Broadcast storm:

Data will be move in the loop form again and again.

Make system too slow and then cause slow data transformation.

Solution

Spanning tree protocol

STP is a layer 2 protocol used to prevent looping with in a network topology.