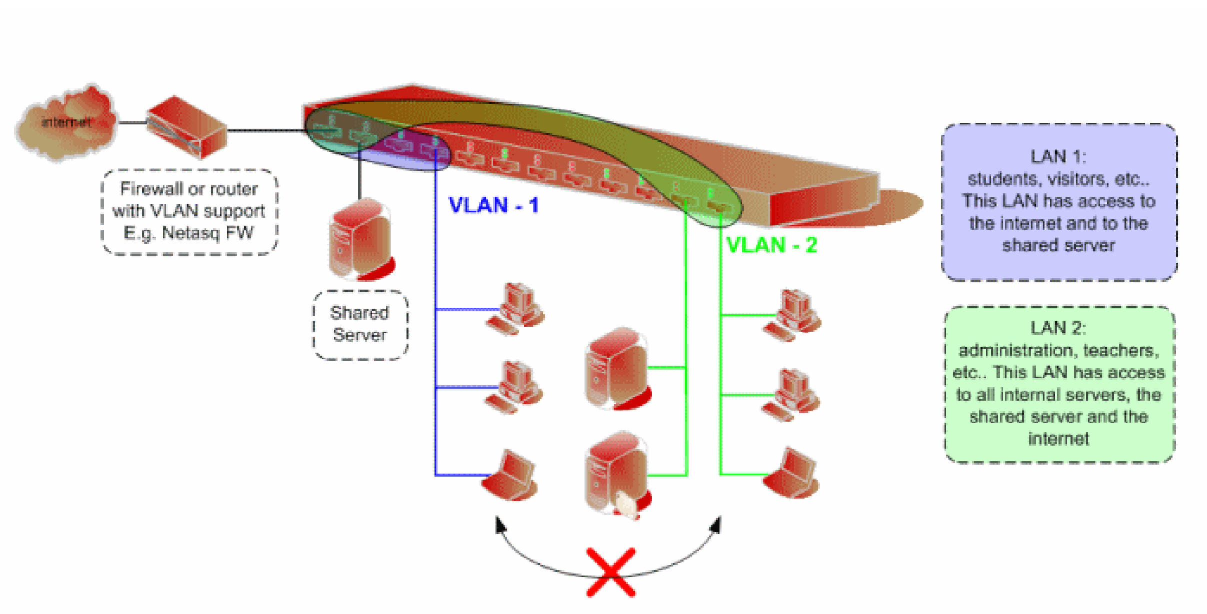
Concept: VLAN's

Virtual Networks on one physical LAN.

Restrict network communication without hassle!

The most popular feature to restrict network communication is called **Virtual LAN (VLAN).** Users within a VLAN can communicate to other users within that VLAN. Communication between individual VLAN's is not possible! In some cases, it is desirable to have **overlapping ports.** Servers and Internet access are typical examples of shared resources that can be accessed from any of the virtual networks.

VLAN's in practice: overview



Two VLAN's are configured on the switch in this scenario. Users in VLAN 1 only have access to each other and to shared resources (overlapping port) like a shared server or the internet, but cannot reach the servers and computers in VLAN – 2, and vice versa.

Applications of VLAN's are very common:

- ✓ ✓ Separation of different divisions of a company
- ✓ ✓ Separation of public and private access – provide internet for visitors
- ✓ ✓ Separation of student and teacher networks
- ✓ ✓ Share an internet connection between users that should not see each other!
- ✓ ✓ Etc…

Connectivity Solutions offers high quality VLAN switches and can guide you in the choice of the right product.
VLAN switches are available starting from 12 ports.