

VLAN Trunking

Ethernet Switch

ZyNOS 3.7

Support Notes

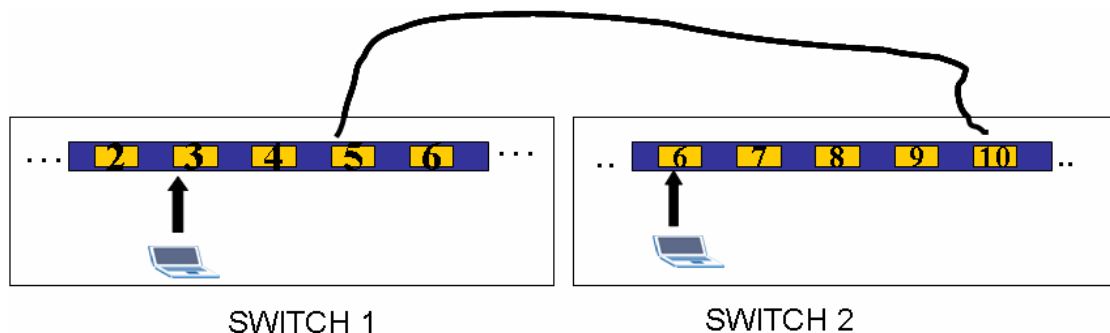
Version 3.70

August 2006



Setting up VLAN Trunking

The benefit of deploying VLAN trunking is that we can connect two switches by a port that is configured as VLAN trunking port. Using the VLAN trunking port, PC1 at switch 1 with any VLAN tag frame can communicate with PC2 at switch 2 with another VLAN tag frame. In our example, we set up port 5 in switch 1 and port 10 in switch 2 as the VLAN Trunking port,



In the switch 1, the configuration is:

ZyXEL Save Status Logout

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- Port Authentication
- Port Security
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- Policy Rule
- Queuing Method
- VLAN Stacking
- Multicast
- DHCP Relay

VLAN Port Setting Protocol Based Vlan VLAN Status

GVRP ☐

Port isolation ☐

Port	Ingress Check	PVID	GVRP	Acceptable Frame Type	VLAN Trunking
*	<input type="checkbox"/>		<input type="checkbox"/>	All	<input type="checkbox"/>
1	<input type="checkbox"/>	1	<input type="checkbox"/>	All	<input type="checkbox"/>
2	<input type="checkbox"/>	1	<input type="checkbox"/>	All	<input type="checkbox"/>
3	<input type="checkbox"/>	1	<input type="checkbox"/>	All	<input type="checkbox"/>
4	<input type="checkbox"/>	1	<input type="checkbox"/>	All	<input type="checkbox"/>
5	<input type="checkbox"/>	1	<input type="checkbox"/>	All	<input checked="" type="checkbox"/>
6	<input type="checkbox"/>	1	<input type="checkbox"/>	All	<input type="checkbox"/>
7	<input type="checkbox"/>	1	<input type="checkbox"/>	All	<input type="checkbox"/>
8	<input type="checkbox"/>	1	<input type="checkbox"/>	All	<input type="checkbox"/>
9	<input type="checkbox"/>	1	<input type="checkbox"/>	All	<input type="checkbox"/>
10	<input type="checkbox"/>	1	<input type="checkbox"/>	All	<input type="checkbox"/>
11	<input type="checkbox"/>	1	<input type="checkbox"/>	All	<input type="checkbox"/>

In the switch 2, the configuration is

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Protocol Based Vlan

VLAN Status

GVRP

Port isolation

Port	Ingress Check	PVID	GVRP	Acceptable Frame Type	VLAN Trunking
*	<input type="checkbox"/>		<input type="checkbox"/>	All <input type="button" value="v"/>	<input type="checkbox"/>
1	<input type="checkbox"/>	1	<input type="checkbox"/>	All <input type="button" value="v"/>	<input type="checkbox"/>
2	<input type="checkbox"/>	1	<input type="checkbox"/>	All <input type="button" value="v"/>	<input type="checkbox"/>
3	<input type="checkbox"/>	1	<input type="checkbox"/>	All <input type="button" value="v"/>	<input type="checkbox"/>
4	<input type="checkbox"/>	1	<input type="checkbox"/>	All <input type="button" value="v"/>	<input type="checkbox"/>
5	<input type="checkbox"/>	1	<input type="checkbox"/>	All <input type="button" value="v"/>	<input type="checkbox"/>
6	<input type="checkbox"/>	1	<input type="checkbox"/>	All <input type="button" value="v"/>	<input type="checkbox"/>
7	<input type="checkbox"/>	1	<input type="checkbox"/>	All <input type="button" value="v"/>	<input type="checkbox"/>
8	<input type="checkbox"/>	1	<input type="checkbox"/>	All <input type="button" value="v"/>	<input type="checkbox"/>
9	<input type="checkbox"/>	1	<input type="checkbox"/>	All <input type="button" value="v"/>	<input type="checkbox"/>
10	<input type="checkbox"/>	1	<input type="checkbox"/>	All <input type="button" value="v"/>	<input checked="" type="checkbox"/>
11	<input type="checkbox"/>	1	<input type="checkbox"/>	All <input type="button" value="v"/>	<input type="checkbox"/>

In the switch 1, we set port 2 as VLAN 2 untag

In the switch 2, we set port 6 as VLAN 2 untag.

The IP address of Switch1 port 2: 192.168.1.31

The IP address of Switch2 port 6: 192.168.1.21

After the configuration is done, we can see that in the switch 1, the PC₁ running on port 2 can find the PC₂ running on port 6 in the switch 2.

[illegible]