

**Comdasys FAQ: VLAN with
Convergence and
Convergence GW**

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Disclaimer

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1. Synopsis

This document will give you an overview of the advantages provided by the VLAN technology as well as two examples for the implementation of VLANs with the Comdasys Convergence and ConvergenceGW Series.

2. Advantages of VLANs

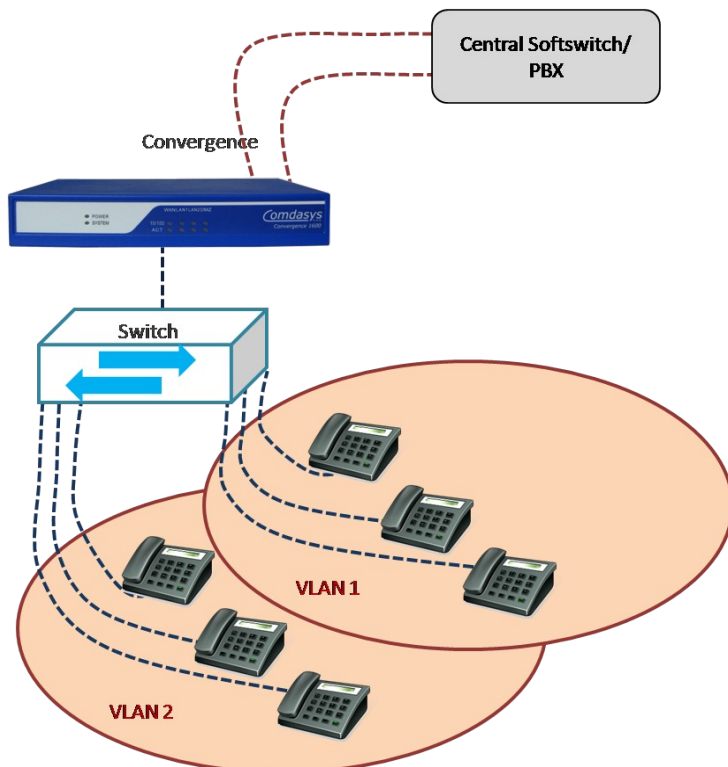
The VLAN technology has various advantages. Of course the advantages for you specific case depend on the your set up, but some of the following benefits are granted:

- **Security, example:** different security policy based on VLAN IDs
- **Better performance, example:** less overhead, reduced broadcast traffic etc.
- **Convenient Management, example:** combination of computers in different locations into one VLAN

3. Configuration on Convergence Series

3.1. Two VLANs one Branch

Image 1: Illustration of the virtual separation of one network into two VLANs

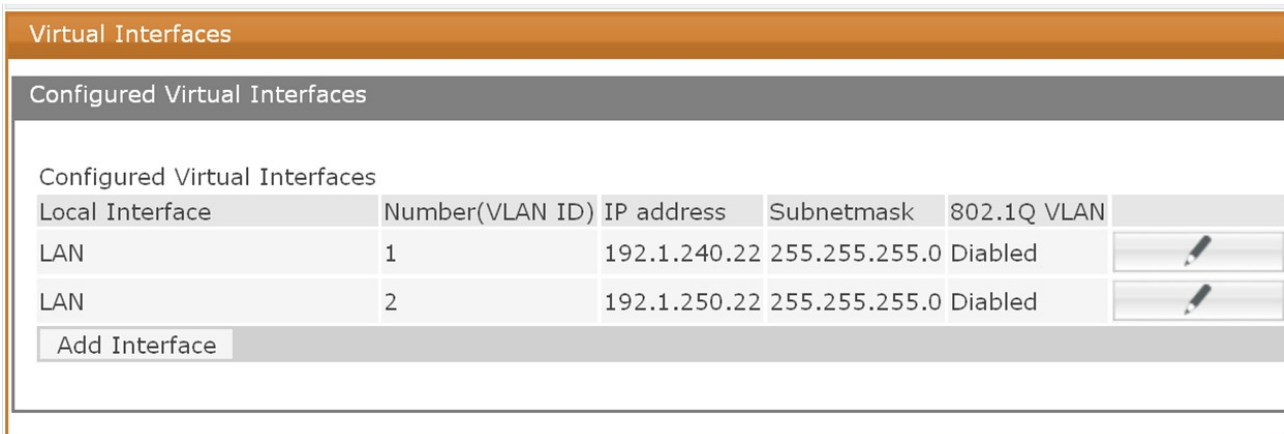


The Comdasys Convergence Series can be used to separate one physical link into two virtual networks (VLANs). The picture on the left-hand side should illustrate this.

The configuration of VLANs on a Convergence product is rather straight forward. All necessary steps will be explained in the following.

The procedure is the same for Convergence and ConvergenceGW, since only one LAN on the Convergence product is needed (the ConvergenceGW only has one).

Image 2: Convergence GUI menu for the configuration of VLANs



Steps:

1. Open the GUI of your Convergence
2. Go to the NETWORK tab
3. Open the menu "Virtual Interfaces"
4. Add two virtual interfaces to the LAN interface of your Convergence, each with different VLAN IDs and (virtual) IP addresses

→ Configure all concerned network devices to be in the subnet of one of your configured VLANs



All Convergence products do routing for different IP subnets by default!

3.2. Two Uplinks two VLANs

-----**Convergence 3600 or higher**-----

1. Connect the two physical links to your Convergence
2. Configure one VLAN for LAN Interface 1 and another one for LAN Interface 2 (as described in the previous section).

As already mentioned the Convergence Series does routing for different IP subnets by default.

-----**Convergence GW**-----

Since the ConvergenceGW has only one LAN interface which will always be connected to the internal ethernet switch. Therefore, VLAN 1 and 2 would have to be plugged into the switch - this might lead to a bypassing of IP-policies. If that, however, is not an issue in your case, simply configure it as described in the previous section.