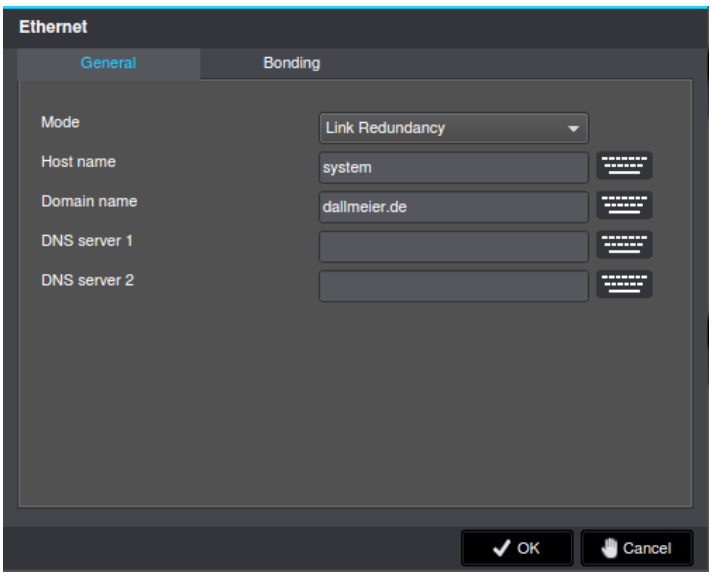
SMAVIA Recording Server

SMAVIA appliance with bundling of network interfaces to a logical channel

SMAVIA appliances have **two network interfaces of 1 Gbps each** and are equipped with the **SMAVIA Recording Server** software. In addition to the first network interface, which is already available ex works, the second network interface can be activated with the optional license **DLC - ViProxy**. This allows the appliance to be connected to two physically separated networks.

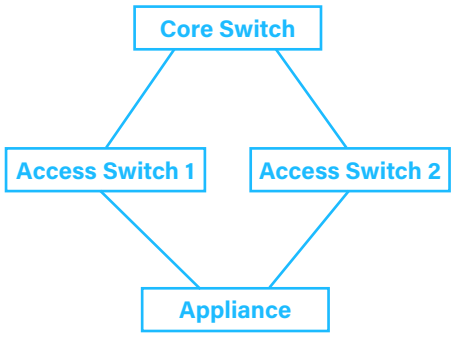
SMAVIA Recording Server, as of from **version 9.x.3**, is equipped with functions for bundling the activated network interfaces to a logical channel (IEEE 802.3ad Link Aggregation Control Protocol (LACP), also known as bonding, trunking or teaming). Both functions can be activated with the optional license **DLC - Ethernet Channel Bonding**.

The **Link Redundancy** function allows the **appliance to be redundantly connected** to two switches in order to intercept the failure of one network channel. The **Data Throughput** function allows the **bundling of both network interfaces** into one channel with double data throughput. The setting of the functions is done in the **Network > Settings > Ethernet** dialog.



Link Redundancy

This function allows the appliance to be connected to two different access switches.



The data traffic usually runs over the first network interface and access switch 1.

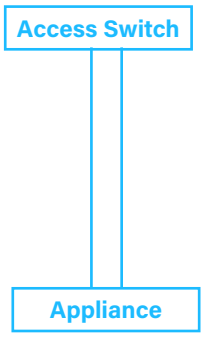
If this network interface, the network cabling, or the access switch fails, data traffic is switched over and continues to run seamlessly through access switch 2.

Requirements

- All interfaces are operated in full duplex mode
- All interfaces operate at 1 Gbps
- No special configuration of switches required

Data Throughput

This function allows the bundling of the appliance's network interfaces to a channel with double data throughput.



In the standard system, a bandwidth of 1 Gbps is available for data traffic over the first network interface.

By bundling the two network interfaces, twice the bandwidth (2 Gbps) is available for data traffic between the appliance and the access switch.

Requirements

- All interfaces are operated in full duplex mode
- All interfaces operate at 1 Gbps
- Special configuration of the switches is mandatory

If the access switch is not configured appropriately, a connection cannot be established. Refer to the manufacturer's documentation.