

# Setup guide: VPC configuration with LANCOM switches

The virtualization feature **Virtual Port Channel (VPC)** provides redundancies that significantly improve the reliability, high availability, and performance of network infrastructures.

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switches

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## Virtual Port Channel explained in brief

Virtual Port Channel, or VPC for short, is a virtualization technology that makes two interconnected switches appear to devices on the underlying access layer to be a single logical layer-2 node. This is ensured by the “peer link”, which is a virtual group of port channels established via VPC. The connected device could be a switch, server, or other network device that supports link aggregation technology. VPC belongs to the Multi-chassis EtherChannel [MCEC] family and is also known as MC-LAG (Multi-Chassis Link Aggregation Group).

Please note that LANCOM VPC is not compatible with implementations from other manufacturers and that simultaneous stacking is not supported on the peer switches. VPC can only consist of two independent switches, which must be configured identically by the administrator. VPC is only controlled by the primary switch.

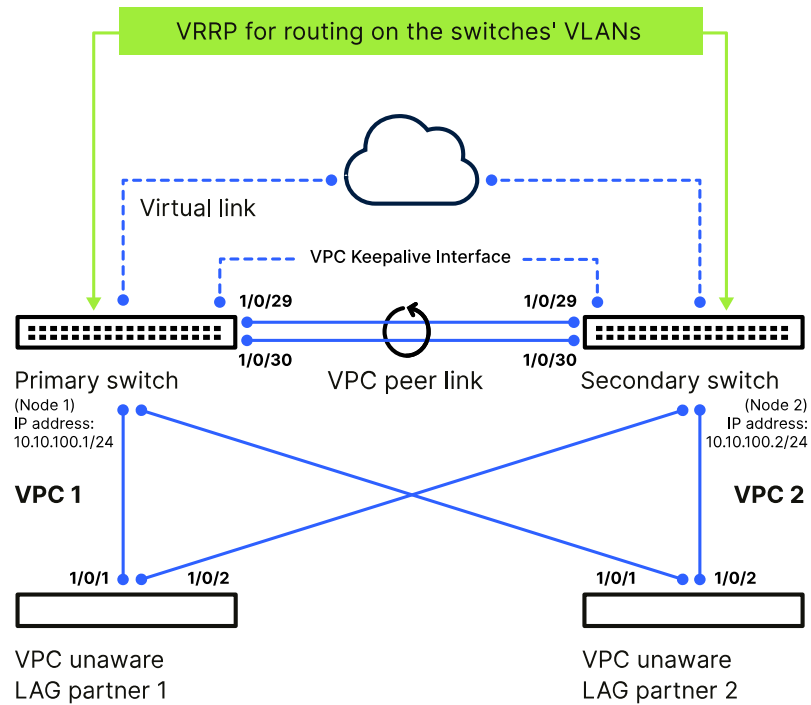


Figure 1:  
Virtual Port Channel

## Step-by-step instructions

This [Knowledge Base article](#) is available to help you configure your VPC-capable LANCOM core and aggregation/distribution switches appropriately. In principle, a general understanding of switch configuration is assumed.

## Further information

Example scenarios for redundant switch networks with VPC-capable access switches, LANCOM R&S® Unified Firewalls, or a hypervisor can be found in the LANCOM techpaper [Design Guide: Redundancy concepts for hierarchical switch networks](#).

For a complete overview of the VPC commands, it is always recommended to consult the [LCOS SX 5.20](#) or [5.30](#) CLI reference manuals.

General configuration guides and additional assistance are also available at any time in the LANCOM Support Knowledge Base under ["Articles on Switches & Switching."](#)