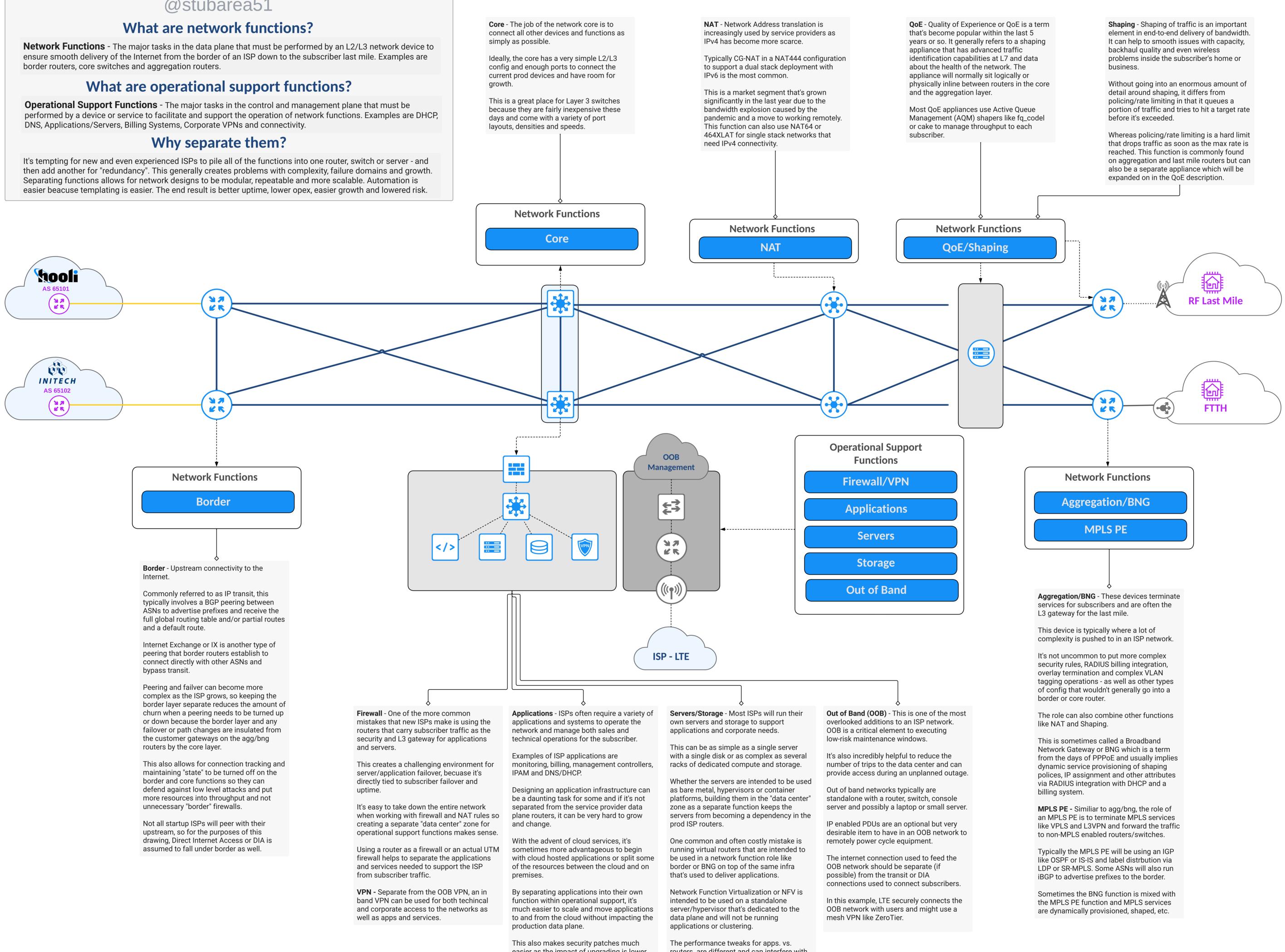
# **Network Design Guide: Overview to Separated Functions**

## @stubarea51

**Network Functions** - The major tasks in the data plane that must be performed by an L2/L3 network device to ensure smooth delivery of the Internet from the border of an ISP down to the subscriber last mile. Examples are border routers, core switches and aggregation routers.



easier as the impact of upgrading is lower when the entire ISP isn't on one device.

routers are different and can interfere with each other. Keep these roles separate.