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3 Networking

Does STP transparently pass?

Yes.

Will your solution design allow the following implementation scheme: the server has one 10G network interface. Is it possible to pass traffic through the SSG by organizing two VLANs on this interface (input and output)?

No. No future support is planned.

Can your system arrange a BGP link with a border to export prefixes, which traffic needs to be routed to the SSG?

Yes, it can. [More information about router settings](#)

We connected an internal LAN to try it out, the ping time did not change. Is there supposed to be a delay?

If the equipment complies with our recommendations, the delay on the device does not exceed 30 μ s (microseconds) or 0.03 ms (milliseconds). Ping measurements start at 1ms. To measure this kind of delay you need special software and equipment. We use counters in nanoseconds, which are supported by modern network cards.

If you implement mirroring, and traffic with different tags will come to in_dev=dna1:dna2, can the Stingray Service Gateway remove the tag on out_dev=dnaX output?

The SSG sends a response with the original packet tag if no [VLAN translation](#) is configured.

What is the Stingray Service Gateway? A router, a NAT, a

transparent proxy? Or is it transparent to network devices?

Stingray Service Gateway is a DPI device, analogous to the Cisco SCE. It works as a bridge, without assigning IP addresses, meaning it is not visible in the network. Latency is not more than 30 microseconds (according to tests it is 16 microseconds), so it is almost indistinguishable from direct connection.

[See SSG connection diagrams for more details.](#)

How is aggregated traffic sent? Can ports be grouped via LACP?

Yes, you can use LACP, LAGG for traffic aggregation.

[See SSG connection diagrams for more details.](#)