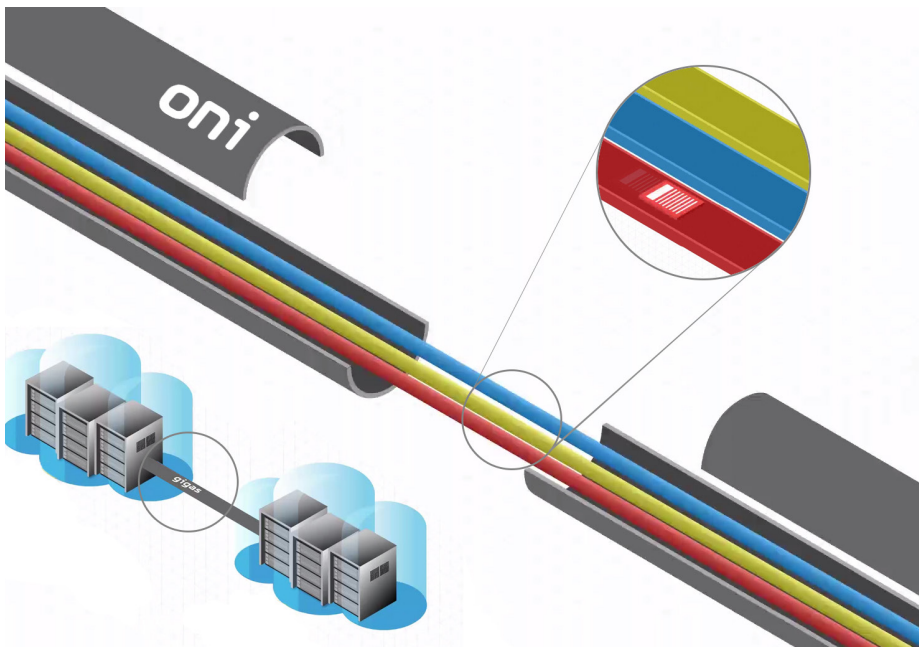## VIRTUAL LOCAL AREA NETWORK

Our VLAN product design is a private network for clients to connect the servers they choose. Each server can use one or more VLANs depending on the use they will be given.

ADVANTAGES

- Separate traffic: Traffic on a private VLAN is only visible to the servers connected to the network.

- Unlimited data transfer: With the VLANs that you create, you can move all the data you need without an increase in the cost of your product. At ONI the level of traffic on these networks is not taken into account.

- Excellent performance: Depending on the operating system used, the VLANs can move data at several Gigabits per second (up to 10G).

- Easy to manage: The VLANs are configured directly from ONI' Control Panel and one or more IP addresses can be assigned to each network interface.

- Security: Each interface connected to a VLAN can filter the type of access to it via a firewall (e.g. Only the private interfaces of the servers that need to access the database's private Interface have access to it.).

- Versatility: A virtual server can have multiple private and public interfaces allowing the client to design their own network architecture.

ADDITIONAL USES OR SERVICES

» **Ensuring communication security between web servers and databases.** Traffic between an application on a web server or an autonomous web and its database normally includes data that should not be available to the public. For security, we recommend that this information is channeled through a different VLAN from the public one that is used to send data to users.

» **Backups:** Our Advanced Backup product uses a private network to carry out backups. The external network service is therefore not affected and the bandwidth for this type of network is better utilized. It also avoids a cost on traffic.

» **Secure access to the platform from a VPN:** Many of our clients take advantage of the VLAN together with the VPN to offer their users direct and unrestricted access from their Central Services to the private network.

» **Traffic filtering with Advanced Firewall:** The VLAN is also used in scenarios in which users access the internet via our Advanced Firewall which filters their traffic and makes it secure, thus preventing viruses and hacks. Our Advanced Firewall, together with the VLAN, prevents your servers being visible on Internet and all traffic is analyzed before it reaches the private networks.

» **Synchronization between countries:** ONI offers a comprehensive service in many countries around the world. By using ONI' VLAN, database projects can be created and applications distributed between countries as long as a private VLAN has been installed. This private VLAN provides direct access to communications established between our various datacenters.