

Neutral #digital

WHY

The increasing volume of data, traffic and services, in the last few years, have had a clear impact on the growth and complexity of the IT platform ecosystems (networks, servers and services) the organizations need to operate. On top of that IT organizations suffer current setbacks like over-provisioning of resources, proprietary dependencies, lack of interoperability, or service and network deployment complexity. IT organizations have to take actions to keep up with the market pace.

Drivers like operational cost reduction, flexibility of resources, platform scalability, user mobility, service agility or platform abstraction are pressing IT organizations to look for new and better ways to improve maintenance and operational activities.

In order to do that, IT can take advantage of the NFV/SDN paradigm.

With the right approach in this transformational process, the organization will achieve benefits like cheaper recovery costs, seamless service chaining, predictive management, elastic scaling, or hardware independency, among others.

“Neutral brings predictive intelligence to the NFV/SDN paradigm”

Jorge Lago, Altran Digital Solution Manager

HOW

Neutral is a solution that allows the intelligent design, deployment and unattended operation of virtual infrastructures and virtual services, based on the Software Defined Networking (SDN) and Network Function Virtualization (NFV) paradigm. Neutral increases efficiency in management activities, streamlines the orchestration of virtual networks, servers and services, predicts future performance and automates operational tasks in a proactive way.

WHAT

Neutral is the management and orchestration platform created by Altran driven by three main objectives:

- Create an abstraction layer (Neutral's NFV layer) on top of the Virtual Infrastructure Manager (VIM) so the user can design and deploy a virtual network, with all its virtual servers and virtual services, in a friendly user environment, without the need to know how to use the VIM.
- Create an additional abstraction layer on top of the previous one (Neutral's SDN layer), that will allow the user to define, with a drag and drop environment, the service chaining so all the configuration of the different network elements are automated by Neutral.
- Use artificial Intelligence monitoring to automatically alert, react-to and predict poor performance. Neutral uses Artificial Intelligence to manage deployed services and servers, keeping track of all resources in the virtual ecosystem, predicting its future behavior and proactively executing automated actions depending on the detected conditions.

Neutral is user friendly and intelligent. It allows the management and orchestration of virtual networks and also allows to design, monitor, control and predict the performance of virtual assets, making it easy to design and deploy networks and services.

Neutral capabilities include:

- Network design
- Management services
- Service chaining
- Network deployment
- Neural network monitoring
- Rules
- Real-time analytics dashboard
- Open platform technology
- Friendly user-interface



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To learn more about NEUTRAL and Altran Digital Services, contact us at altran.digital.spain@altran.com

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