

On-demand delivery of carrier and wholesale services

From archaic practices to mouse clicks

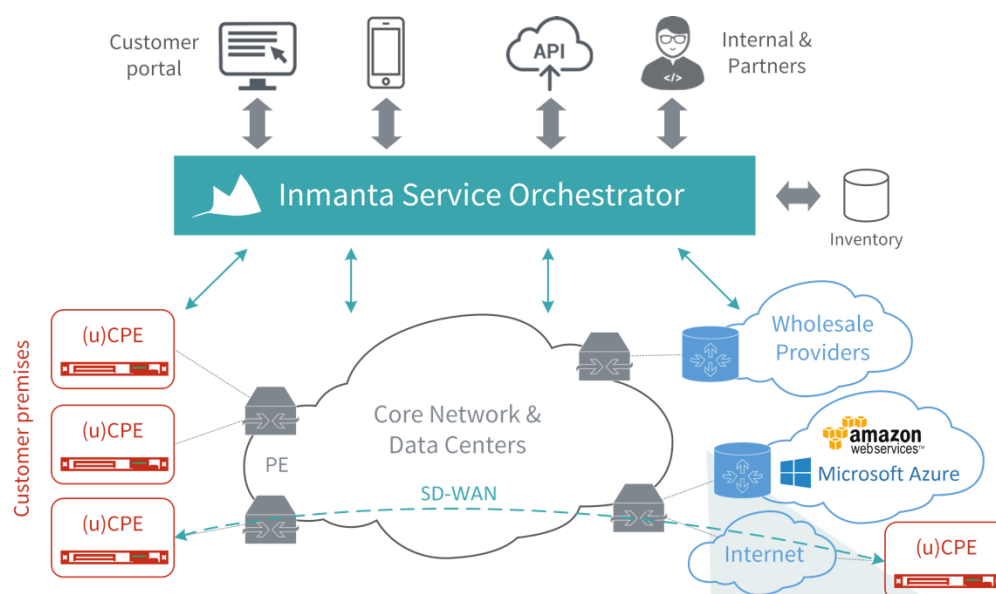
The end-to-end delivery of carrier and wholesale services takes way too long. This is a major concern for carriers delivering services to business customers or other telecom providers. Deploying carrier and wholesale services involves extensive interaction about numerous aspects related to network availability, capacity and activation. Typically, the process requires weeks of calling and emailing back and forth in addition to extensive manual work to configure the network correctly.

Ideally, carriers wish to offer a web portal or an API to facilitate **on-demand orders** by customers and partners. From their laptop or tablet, customers simply indicate interconnection locations¹, specify network requirements, verify feasibility, and activate rollout. **Within minutes**, the requested services become available fully operational, requiring **zero human involvement from the carrier**, let alone manual work. The same applies to (optional) value-added services, such as firewall and SD-WAN, which are dynamically deployed in the cloud (vCPE) or on-premise (uCPE).

Time for end-to-end service orchestration

The on-demand delivery of carrier and wholesale services requires true end-to-end service orchestration. Inmanta enables carriers to fully automate service delivery and lifecycle management. It provides an open orchestration framework to rapidly create, customize, and deliver services and new features.

Inmanta's powerful modeling language supports intent-based programmability for efficient and reliable network automation. The intelligent orchestrator automatically derives at each point the required workflow to reach the desired state and behavior of the service.



The Inmanta orchestrator flexibly integrates with the complete network in order to automate the entire service delivery.

¹ Under the assumption that these locations are already part of the network.

Deliver faster & improve customer experience

Automating the end-to-end delivery of connectivity services significantly **speeds up the time to bill**. Inmanta Service Orchestrator reduces the entire operational process, from order to fulfillment (incl. verification) of the service, **to a few minutes**. Inmanta enables carriers to bring the instant and flawless experience of OTT players to their customers and partners.



Capture market of value-added services

Virtualized services, such as SD-WAN, security and application services, provide an opportunity for **additional revenue streams and higher margins**. As soon as the connectivity services are automated with Inmanta Service Orchestrator, the shift to these virtualized services is straightforward. Virtualized services become additional building blocks that can be combined on demand to create new products. Inmanta Service Orchestrator ensures dynamic deployment depending on policy and feasibility: on premise, in the datacenter, on the edge, or in the public cloud.



Efficiently manage the full service lifecycle

Fast lead times have a positive impact on the top line revenue. However, it is key to automate the full service lifecycle, beyond provisioning and deployment, to have an impact on the operational expenses. This also involves service design, on-boarding, testing, monitoring, scaling, upgrading, and decommissioning. Inmanta Service Orchestrator manages the state as well as the transition across states of each resource to ensure a seamless evolution of the end-to-end services for all the customers. Apart from the **operational savings**, consistent lifecycle management delivers **long-term stability** in delivering and maintaining services at a large scale.

Greatly simplify BSS development

Inmanta Service Orchestrator shields the business from all technical aspects, resulting in a much more **simplified BSS that is easier and more affordable to maintain**. The orchestrator provides a high-level, stable API toward the business, which only requires a limited amount of business parameters. All other information is automatically derived from the service model, the inventories, and the network. This enables carriers to build and release new products much faster.

Inmanta & Eurofiber showcase end-to-end orchestration of E-LAN

Eurofiber, the largest open network provider in the Benelux region, services the B2B and wholesale market for connectivity and cloud. At MEF 2018 in Los Angeles, Eurofiber and Inmanta jointly demonstrated their Proof of Concept (POC) regarding MEF LSO network interoperability. The POC showcased the automated delivery of network services across multiple regional and (inter)national operators.

“The end-to-end orchestration solution which we developed together with Inmanta enables us to deliver our services much faster and with even more flexibility.”

Bart Oskam,
CTO of Eurofiber



Inmanta

Inmanta develops and commercializes service orchestration technology for telecom. The award-winning software products enable telecom operators to deliver their services 10 times faster and with more flexibility.

Find out more? Drop us an email contact@inmanta.com or visit inmanta.com.