verizon✓

API-Fication:
Infusing Automation into Network Bandwidth Provisioning

Gain complete control over network orchestration using an API

Seamless networks are crucial to the success of today's enterprises. To remain ahead of the curve, enterprises are required to perform accelerated and accurate orchestration of their networks that can adapt to changing business needs.

Discover how Verizon's API-fication – a new revolutionary Application Program Interface (API) solution – can help enterprises achieve accelerated network orchestration in real-time and aid in bolstering their network & business performance cost-efficiently, by automating a self- service portal that is already up and running.

The new innovative network provisioning API solution can be deployed in the enterprises' network eco-system to drive real-time network adjustments according to their changing business needs. Taking an agile approach to network provisioning, it can aid in dynamically allocating/de-allocating and scaling the bandwidth requirements as the need arises.

Complementing the Verizon Looking Glass self-service Web portal, this API solution empowers enterprises with on-premise auto-provisioning capability by rendering seamless Machine-to-Machine (M2M) communication. And due to the automation involved, the API eliminates all the manual processes required to auto-provision the bandwidth.

With Looking Glass, enterprises can only view their bandwidth utilization and gauge whether they need to increase or decrease current bandwidth allocations. But with Verizon's new tailor-made API, enterprises can tune their bandwidth allocations on-premises – with just a click of a button.

Best of all, the API facilitates enterprises to purchase appropriate bandwidth shared across multiple services with standard voice, video, and the Internet Quality of Services (QoS) offerings without keying in manual configurations in the self-service portal.
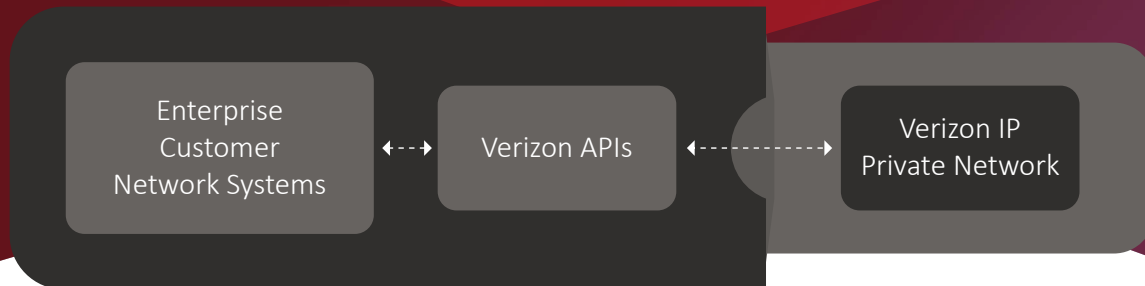

Figure 1: Verizon APIs Creates an Interface to Help Enterprises' Systems Communicate with Verizon Network

Benefits:

Deployment of Verizon's new API can potentially result in significant cost savings and business performance. Some of the key benefits include:

Empowering the Enterprises with On-Premise Elastic Bandwidth Management Tool:

Verizon's API brings in more flexibility into bandwidth provisioning and improves network bandwidth utilization, thereby eliminating the need to buy surplus bandwidth. Moreover, it empowers enterprises with the ability to orchestrate their current as well as future bandwidth allocations, on-premise, as and when required without logging into service provider's portal. In addition, the API can work in tandem with other applications running on enterprises' systems to extend or augment the capability or functionality of the network systems. Following are the few scenarios that support this fact:

- It can integrate with an enterprise's decision-making systems, which may or may not be powered by predictive analytics engine, to intuitively auto-provision the bandwidth

- It can integrate with an enterprise's network-traffic detecting systems to intuitively set the appropriate QoS

Reduced Opex and Capex:

Since bandwidth provisioning is automated, enterprise customers need not buy unnecessary bandwidth and allocate additional resources. This not only reduces capital expenditure (Capex) but also reduces operational expenditure (Opex) spent on maintaining and operating the network systems. Additionally, the API reduces the cost of managing and designing distributed networks through better standardization and greater efficiency, thereby reducing network lifecycle costs too.

Enhanced Customer Experience:

Due to the automated process offered by the new API, enterprise customers can enhance the overall experience in terms of resource management, cost-efficiency, and time management.

Improved Network Agility:

Verizon's API drives business agility with adaptable network management capabilities. It also enables network engineers to quickly and easily apply configuration changes according to business needs, at scale, by detecting the type of network traffic. This ultimately boosts network agility.

Capitalize on Verizon's API-fication of Self Service

Save Time & Resources:

Automatically update status and attributes of an enterprise network with the API, to improve bandwidth utilization. This in turn saves time and resources considerably.

Experience Greater Accuracy:

The API generates information from the in-house enterprise system. This not only eliminates errors but also takes a huge load off the network team.

Avoid Over-Provisioning:

Benefit from continuous monitoring and elastic bandwidth management, and avoid over- provisioning with the API.

Contact Verizon today to learn how API-fication is bringing novelty to network orchestration.