POP manager

POP manager Functionality

Direct integration with the major satellite network demand a dedicated Point of Presence (POP) to handle data traffic. Our POP manager basically handle all needed interaction for the POP environment.

POP manager are a magic component for operatrors that need to manage an own POP environment, POP managerbasicaly handle all needed provisioning, self-care, monitoring and also act as a complete IPAM (IP administation manager) server.

POP manager are having a dedicated API interface that directly integrate with our Unity platform and allow end to end provisioning across all major satellite network - easy assignment of IP adresses, radius provisioning and firewall provisioning.

Any type of value aded services (VAS) added to the operators POP environment are directly able to be integrated and needed provisioning are easily handled by POP manager..

Advanced level of customer sel-care can be offered through our POP manager implementation, allowing terminal owners to manage own firewall settings per IP address added to terminals - policies, enhanced web filtering, aplication filtering And real time access to detailed trafic and security log data .

POP Provisioning / API integration
Unity MSS or the operators existing provisioning and billing system can easily integrate into our POP manager through the secure API interface. Provisioning will take place into radius server or radius database - adding IMSI numbers and IP adresses when a terminal are activated or simply getting an extra IP address.

IPAM Server
The integrated IPAM server manage all IP address handling across IP pools and special parameters linked to VPN connections, routing, response management and associated IMSI IP assignment allowing unlimited number of IP addresses to be assigned to a single simcard. POP manager allow easy and simple IP pool management - across satellite networks, across VPN connections, private as wel as public ranges - or dedicated IP adresses linked to specific service provider interfaces.

Radius Authentication
The redundant integrated radius setup offer advanced authentication of Thuraya, Inmarsat and 4G sim cards, allowing authentication purely based on IMSI numbers across multiple IP addresses on a single terminal.

Radius functionality are directly getting provisioned using our POP manager that handle replicated provisioning of IP addresses and associated response parameters like DNS, routing, gateway details as well as QoS handling.

IP based billing functionality - in combination with Unity is it possible to be billing purely based on IP addresses - meaning a single data connection can perform session based billing.

Firewall and Advanced Self-care
POP manager manage all firewall related provisioning across policies, rules, web filters, application filters for each single IP address - this is achived by integrating POP manager directly into Juniper SRX and Cisco ASA firewalls.

End customers can through POP manager directly manage firewall profiles, policies, and applications allowed per IP address - in an easy to use graphical interface.
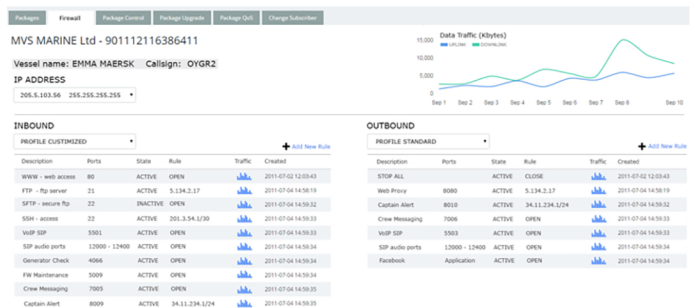
Easy access to POP workflow
Access al POP related data and information in a centralized location - view security log, terminal firewall settings, network traffic , alarms, manage QoS, Throttling, VPN setup - all made simple and yet offering the most advanced services to end customers for a lower price than on any competing suppliers.
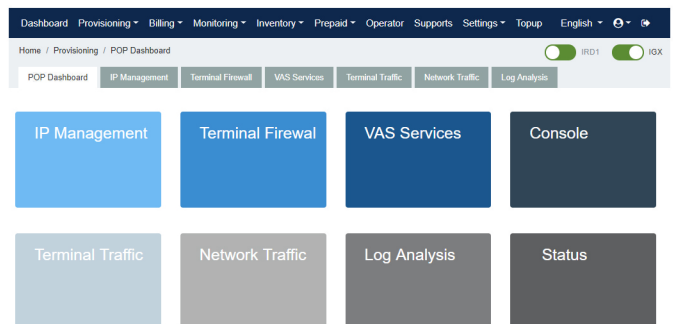
Value Added Service Provisioning
Our POP manager do directly integrate with a long list of advanced VAS API interfaces allowing direct provisioning, end customer self-care across web acceleration, rule based routing, enhanced email services, messaging services, VoIP integration, integrated tracking, IoT/M2M gateway, WAN acceleration like Riverbed, Silverhead...

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