Unified Satellite Data POP

## Satellite Point of Precense (POP)

Mobilware deliver the markets most advanced and yet very low priced data solution for any satellite traffic. Satellite POP that handle Inmatsat I4, Inmarsat I5, Iridium, Thuraya, 3G/4G as well as any other service.

A POP that handle smart authentication, IP assignment, firewall functionality, advanced routing, VPN requirements, BGP connection, intelligent data throttling, QoS management. monitoring and all in a fully redundant setup that easily integrate directly with operator MSS environments.

Our smart POP manager handle all integration to provisioning across radius servers, firewalls and value added services - POP manager even allow partners and end customers to gain full control with own IP addresses, firewall policies and data flow in an intuitive GUI environment.

Our POP setup are already directly integrated with Inmarsat I4 in Amsterdam, New York MMP, Thuraya MMP in London, Iridium MMP in Virginia, Viasat, Eutelsat, Intelsat, Orbcomm and with several 3G/4G networks.

A POP today being used by example Airbus Defense for all their military and government customers - offering extremly level of security, robustness, functionality and fully automated data flow across private networks, public networks as well as offering a swift range of value added services.
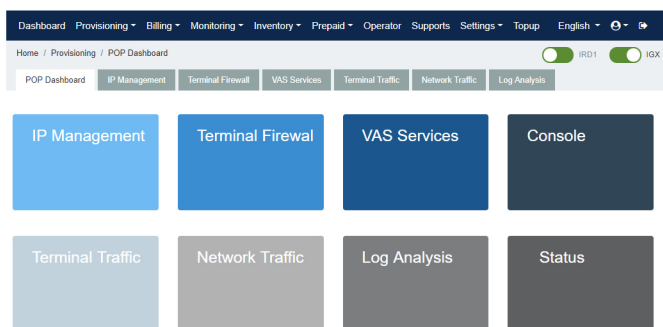
IP management
The integrated IPAM server manage all IP address handling across IP pools and special parameters linked to VPN connections, routing, response management and associated IMSI IP assignment allowing unlimited number of IP addresses to be assigned to a single simcard.

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, Routing, Network flow, Logging
The POP basically integrate directly with all the existing satellite operators on the market - connecting directly to their meet me points - it provide the needed level of redundancy, routing, sim card authentication, Border Gateway handling and extrem level of security and logging.

All radius requests, network flow as well as security logs are captured in our centralized graylog sysllog setup that allow advanced network flow presentation in a graphical setup.

Advanced Firewall Functionality
Firewall cluster are offering the latest firewall functionalities available across following:

> End customer self care across own terminals and IP's
> Firewall policies, Firewall Ruleset, Firewall profiles
> Category based traffic filtering, Games, Porn, Social...
> Application based filtering per sim card - Yourtube, Skype..
> Intelligent bandwidth Throttling after hitting triggers.
> Integrated firewall provisioning from Unity

Access to real time traffic monitoring allowing fast and simple monitoring and direct integration into existing SNMP setup.

POP manager
Our POP manager act as a magic component in the POP environment - it come with a complete and highly secure API that allow simple and yet very advanced integration for provisioning and management of all POP components.

It manage all IP management, radius provisioning, firewall provisioning, firewall self-care for customers across profiles, ruleset, policies, manage data throttling, log analysis for terminals. Complete value added service provisioning across WAN acceleration, like Riverbed, Silverhead, Email solutions...

Value Added Services
The POP are coming with integrated service like web acceleration, that compress content, remove advertisment, rerender images and similar.

Shared environment
We do also offer access to shared POP infrastructure for operators that want to keep the establishment and running cost for their POP as low as possible. This option do offer the same capabilities as a normal own POP setup.

Mobilware

**We're a global strategic satellite firm.
We design product-service experiences,
making business transformation happen.**

www.theairtime.com
phone: +45 2614 0000
email: info@theairtime.com