

Pronto Hotspot OSS™

For Public Access WLANs

A carrier-class Operations Support System (OSS) for large scale, public WLAN networks, Pronto Hotspot OSS is a complete end-to-end platform that streamlines the deployment of public hot spot networks and minimizes ongoing operation costs for service providers. Pronto Networks' Hotspot OSS provides all inclusive customer care and billing management capabilities, end user self-provisioning of services, remote network management, usage-based pricing, pre-paid and post-paid services, multiple authentications and roaming options.

Pronto Hotspot OSS is a modular, multi-tier platform that includes feature-rich components for:

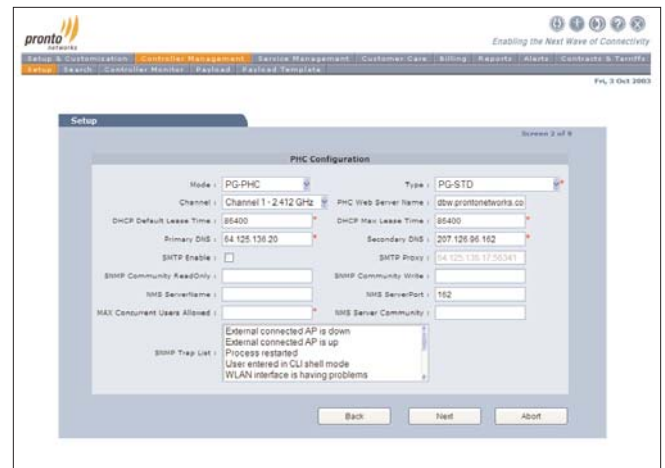
- Service creation, activation and maintenance of hot spot locations
- Network policies implementation (QoS) and monitoring capabilities
- Authentication, Authorization and Accounting (AAA) and custom authentication realms
- Multiple authentications and roaming options
- Roaming clearinghouse for network partners
- Customer care and billing management
- Payment processing and collection

Multi-Vendor Friendly Solution

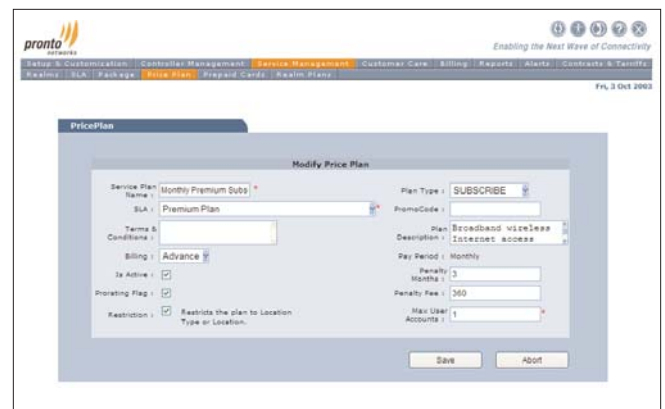
Pronto Hotspot OSS manages all operational aspects for the deployment of Pronto Hotspot Controllers™ (PHC) and provides a cost-effective access service gateway that supports multi-vendor hardware, including Proxim, Cisco, Colubris, Gemtek Systems, and upcoming WiFi switch based gateways.

System Integrator Friendly Platform

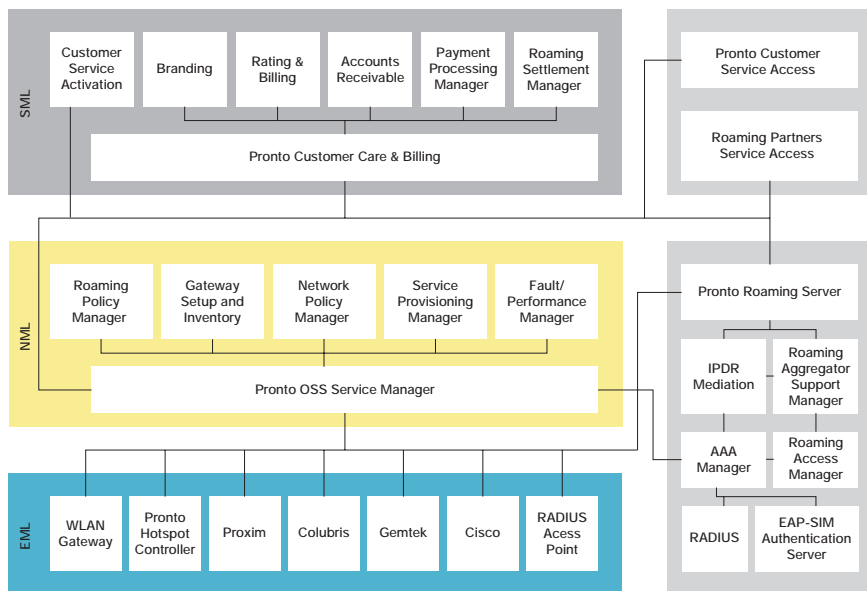
Pronto Hotspot OSS was designed using J2EE™ technology and supports Web services to enable development of secure, robust and interoperable business applications. Our platform provides native integration with third-party billing and CRM systems and includes TIBCO middleware integration for legacy systems support. Our platform offers flexible options to fit the unique needs of any business for customer support, branding, billing, and reporting.



Setup and Deployment of Hot Spots



Flexible Service Plans



Pronto Hotspot OSS is a modular, highly scalable platform enabling the provisioning, management, and deployment of large scale, public WLAN networks.

Provisioning of Network Elements

- Web-based service management
- Provisioning of Pronto and third party gateways
- Service creation with QoS/ bandwidth management capabilities
- Monitoring, management and remote upgrades of edge elements
- SNMP support
- Customizable location-specific content and interface for ad hoc user experience (i.e., walled garden sites)
- AAA and custom authentication realms
- Support for multiple service providers on one server
- Real-time system administration and configuration ability
- Automatic e-mail alerts
- Easy integration with external NMS Product
- SOAP, Radius and EAP methods based communication

Billing

- Internationalization and branding
- Flexible pricing, rating and discounting of usage-based and flat rates
- Multiple payment options, including credit cards, invoice and pre-paid cards
- Support for foreign currency billing, payments and taxation
- Configurable online bill formats, in multiple media options
- Native integration to third party billing and CRM systems
- TIBCO middleware for legacy systems support
- Integration to operators' billing system via IPDR

Customer Care

- Customer self-care portal
- Credit limit management
- Incident tracking
- Account adjustment and refund

Roaming Services

- Inter-WISP roaming
- Support for iPass, GRIC and Boingo smart clients
- Integrated billing, clearing and settlement

Reporting & Data Mining

- Real-time reports and statistics

Security

- SSL-encrypted HTTP traffic
- Corporate VPN compatibility
- 802.1x support



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