**Features & Benefits**

The core platform for service mediation and policy management that enables carriers to effectively manage, optimize and monetize growing mobile traffic

Plug-in VAS platform for new data services and the central component of Openwave Mobility’s 3GPP Application Function

Reduces TCO through a single point of policy control and management for mobile data services

Scales to support 3G and 4G service deployments

Highly differentiated services across a number of service protocols (HTTP, HTML, RTSP/RTP/RDT)

Consistent, safe and secure mobile internet access

Faster, Personalized experience with quicker access to content and downloads

**Integra**

**Manage, Optimize and Monetize Growing Mobile Data**

Ever increasing mobile data usage means that carriers have to manage unprecedented data consumption via media streams, high volumes of signaling information and a growing diversity of device requirements. Providers of mobile data services need the ability to deliver an optimal but differentiated / personalized user experience and to maximize the utilization of their resources, both in network and virtualized in the cloud. Openwave Mobility through Integra offers a flexible, programmable, virtualized orchestration layer. Integra provides the abstraction of transport and application protocols so that key services can trigger behavior from the data path, affect the flow and content of the data stream and record/meter the use of resources.

At the heart of Integra lies a plug-in layer 4-7 orchestration layer, providing dynamic triggering of layer 7 services with attributes from the flow, profile, authentication and web service all being combined into a single intelligent switching capability. This capability is provided with low latency and best in class capacity numbers in throughput for signaling and data plane traffic per blade.

**Adding Value in the Path – Evolving to SDN**

Integra is the industry’s most scalable platform and has established a new benchmark in expanding SDN architectures into application service orchestration & chaining. It powers key solutions including Mobile Data Monetization and Mobile Media Optimization, to provide innovative subscriber-aware pricing models, and congestion-aware network optimization.

Integra’s plug-in services architecture ensures that value-added services provided by Openwave Mobility are easily installed and deployed on top of Integra. Each service provides ROI by encouraging new users to access mobile data, or by reducing wireless data delivery costs:

Integra’s flexible solution architecture enables multiple options for IP level partner integration with DPI/PCEF and for single points of integration for policy, profile, logging, billing and web services. Integration with intelligent packet, session and network level flow decision making, complementing application level services and its, orchestration and scalability makes Integra a key partner for SDN.
About Openwave Mobility

Openwave Mobility empowers operators to manage and monetize mobile data using the industry’s most scalable, Layer7 SDN/NFV enabled platform, Integra.

Integra applies advanced Video Optimization to eliminate data congestion, while using Policy Engagement and Analytics to increase ARPU through personalized data plans.

Openwave Mobility provides true carrier class solutions, working with over 40 of the world’s largest service providers and delivering over 40 billion transactions every day to over half a billion subscribers.

Openwave Mobility is a Global Company headquartered in Redwood City, California.

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Platform for Virtualizing Services (NFV)

Integra also delivers on network function virtualization both from the perspective of virtual network function components (VNFC) and service orchestration, dynamic function chaining and elastic deployment. Added to Integra’s design separation of control plane interaction from user plane packet processing, this provides an effective basis for the practical expansion into Software Defined Networks.

Scalable Network Performance

The intelligence of managing services in the data flow is combined also with best in class capacity numbers for handling both data plane and control plane traffic. On a fully populated HP 16 Blade chassis, Integra can handle 100 Gbit/s (>8Gbps per blade) with an average latency of 5ms per transaction. Throughput on the user plane is complemented by equivalent control plane messages (Gx, LDAP and Gy). Integra scales its L7 orchestration capability both vertically and horizontally on COTS hardware, enabling the deployment to minimize TCO.

Using standardized interfaces (LDAP, Gx, Gy, Radius, SOAP, ICAP, SNMP), Integra complements existing infrastructure adding value and dynamic orchestration & routing capabilities.

Integra functions as protocol proxy providing key services in sharing network identity across multiple services, defining flexible access control policies, header enrichment, time of day, day of week controls, application level logging and real time data feeds for operational reporting.

Single Point of Policy Control and Management

The Integra plan-based, dynamic policy management is based on multiple data inputs such as subscriber policy (PCRF based or standalone), profile, device/user agent profile, content, network customized and reactive controls. The IP Smart Policy Service control integrates data volume, time of day/day of week controls, per service, per user, and per network metering and management for all traffic.

Managing and Monetizing Encrypted Data

An increasing impact on mobile data is the use of data encryption. This can severely affect the ability of the operator to manage the business of providing mobile data access. Openwave Mobility addresses this by end user engagement and selective TLS mediation where mutually agreed and acknowledged. This is embodied in the TLS Mediator which extends Integra’s orchestration capability into the encrypted path. See separate Product Sheet TLS Mediator / Secure Traffic.

Platform Support

Operating system: RHEL 6.5+ 64-bit

Hardware: Intel x86 Blade Servers

Delivering Best in Class

Openwave Mobility delivers the best in class service mediation and policy management solution, and commits to improve performance and reduce TCO with each major release. It invests in interoperability testing to ensure seamless integration and smooth execution of carrier mediation and policy strategies.