



The Jataayu WAP 2.0 Gateway was the first WAP Gateway to support WAP 2.0 specification. It is fully backward compatible and continues to support WAP 1.X specifications. The Jataayu WAP 2.0 Gateway comes with a rich set of features, is highly portable and available on multiple platforms. A scalable and robust architecture ensures support for high-performance carrier grade operations. Jataayu WAP Gateways are deployed across more than 30 operator locations, some of them supporting multi-million subscriber-base deployments.

Support for MMS Client Transactions specifications, WAP security, Push Services and OTA Provisioning are some of the additional service capabilities over and above basic WAP requirements. For an operator looking for a credible supplier of reliable, proven Wireless Data Infrastructure solutions, Jataayu is the ideal technology partner.

## Key Features

### Compliance

WAP Forum WAP 2.0 and WAP 1.X specifications

- Supports all requirements for MMS Client transaction specifications

### Protocols

- WSP
- HTTP
- HTTPS
- WTLS
- TLS
- SSL

### Bearers

- Support for IP bearer
- Support for SMS bearer with interface to SMSC over
  - CIMD
  - SMPP
  - Designed for easy extensibility to other bearers

### Platforms

- Linux
- Solaris
- Windows NT
- Portable onto any Unix variant
  - \* Please check for availability on other OS Platforms

### Interoperability

- Tested for interoperability with most of the currently available WAP clients

### Content Encoding

- Supports online encoding of WML 1.x and WMLScripts
- Compression of WML 2 content

### Content Type Supported

- XHTML
- Configurable MIME Type Support

### Personalization Support

- UAProf Support
- Configurable ID Forward Support

### Large Content Type support

- Segmentation and re-assembly
- Extended segmentation and re-assembly

### Access Control

- Administrator definable list of WAP sites with facility to deny/grant access
- Subscriber provisioning facility to deny/grant access to specific phone numbers
- Support for HTTP\_AUTH
- PI Authentication

### Logs

- Access logs (CDRs) containing
- Timestamp
- Client-ID
- URL
- Data volume information is logged

### Billing

- Supports easy integration with industry standard billing systems
- Standard CDR based
- FTP forwarding to billing system

### OA&M

- Convenient web-based GUI administration
- Facilitates remote administration
- Graphical reporting Tool
- Access to all configurable parameters
- Monitoring of server performance
- Integrates administration of primary gateway as well as other WAP network accessories
- SNMP support

### Customizable Messages

- Administrator definable messages including error messages
- Allows service provider to determine/control what the user sees on the mobile terminal under all conditions

### Security

- WTLS layer for secure mobile-device to gateway communications
- SSL for secure gateway-application server communications
- Certificate requester for gateway
- RSA as well as ECC algorithms supported

### Proxy Support

- Requests from gateway can be routed through proxy servers
- Admin can control proxy server (and proxy bypass) settings

### Cache

- Cache implementation as defined by HTTP Caching (RFC 2616)
- HTTP/1.1 compliant cache
- Smart caching

### Cookies

- Cookie support as defined in HTTP state management (RFC 2109)
- Session and persistent cookies

### Multi-language Support

- Supports Unicode 2.0
- Currently available in English

## Jataayu WAP Gateway Accessories

### Push Proxy Gateway (PPG)

Server-based applications can send or "push" content to devices via the Jataayu Push Proxy Gateway (PPG). Push functionality is especially relevant to real-time applications that send notifications to their users, such as multi-media messaging, stock price and traffic update alerts. Without push functionality, these applications would require the devices to poll application servers for new information or status. The push functionality provides control over the lifetime of pushed messages, and control over bearer choice for delivery.

### Identity Server

The Jataayu Identity Server makes available caller identification to 3rd applications for enabling authentication and providing personalized content. It provides an interface for applications to access CLI information. The Identity Server is designed to work seamlessly with the Jataayu WAP Gateway.

### OTA Provisioning Server

The OTA provisioning server provides a simple and easy way to configure complex settings on the phone for WAP access on handsets.



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## Jataayu WAP Gateway

### Carrier-grade Entry-level to High-end Systems

### Rapidly Launch Services

### Easy Integration with Existing Network

### Reduce Total Cost of Ownership

### Carrier-grade Entry-level to High-end Systems

Jataayu offers reliable and highly available WAP 2.0 Gateway platforms that can scale in tandem with customer traffic. Standard entry level, mid-range and high-end configurations, benchmarked and optimized for multiple platforms, are available from Jataayu. Currently Jataayu WAP Gateway is available on Linux, Solaris, and Windows NT platforms and is portable onto any UNIX variant.

Jataayu WAP 2.0 Gateway installations have been deployed in high-performance, high-availability configurations at major carrier networks. Some of these deployments are currently supporting traffic in excess of 2 million transactions per day.

### Rapidly Launch Services

Jataayu has an excellent track record in enabling operators rapidly launch Wireless Data Services through its end-to-end offerings and integration expertise. Jataayu supports operators with the Jataayu MMSC, WAP Gateway, Push Proxy Gateway (PPG), Identity Server and OTA Server.

Operators can also take advantage of the Jataayu WAP Browser by offering it as a branded, pre-configured client on java-enabled feature phones,

Smartphones and PDAs. Leading device manufacturers, ODMs and reference design vendors and Operators currently license the Jataayu jBrowser.

### Easy Integration with Existing Network

The Jataayu WAP gateway architecture is standards-driven and is easily integrated with existing network infrastructure (MMS, SMS, Billing, Prepaid systems etc.), regardless of vendor. A ready-to-use VAS API ensures kick starting of Wireless data and Messaging Services and can be used to easily integrate with Third party Value Added Services (VAS) and external applications. It has been tested for interoperability with all major WAP clients including Openwave and jBrowser. Our WAP Gateway is also acclaimed for its interoperability with other leading MMSC Vendors such as Nokia & Ericsson.

### Reduce Total Cost of Ownership

Jataayu WAP Gateway provides excellent price/performance value. Jataayu supports operators with seamless interoperability, flexible licensing models, on-site and 24x7 support requirements.

### Jataayu WAP Gateway Key Benefits

- Reliable, proven service platform with multi-million subscriber base deployments
- Complete end-to-end offerings for rapidly launching Wireless data Services.
- Reduced Total Cost of Ownership
- Personalization and Profiling options
- Ready to use 3rd party VAS API for integrating with external value added services
- Supports Over The Air (OTA) configuration of subscriber terminals for WAP service activation
- Runs on multiple platforms
- Easy to use web-based GUI for OA&M
- Easy interface to billing systems

