

# WAP PUSH Service

## I. INTRODUCTION

WAP PUSH Service has been developed over Mobicents Platform. Mobicents Server is now JAIN SLEE 1.1 specification compliant.

WAP PUSH Service can be used to provide Value Added Service to Subscribers. It would be SMS based service hence easy to adapt and thus reducing the time to market.

## II. WHAT IS IT

WAP Push has been incorporated into the specification to allow WAP content to be pushed to the mobile handset with minimum user intervention. The fundamental functionality of this service is, to compose a specially encoded message. The encoded message would include a link to media content, which is to be pushed to Subscriber.

The service has been essentially divided in to two subsets viz., a Presentation Server and a Content Server.

Content Server would be used by Administrator of the System and Vendors (i.e. Third party Content Providers) to upload the content. Once approved by Administrator, the content thus uploaded, would be made available at Presentation Server.

Presentation Server is open to be accessed by Subscribers / End users. It will display contents categorically, viz., Wall papers, Ring tones, Images, etc. Download instructions can also be viewed for the content for end users to request it.



## III. OVERVIEW

Administrator can add content, add / edit Vendors, enable or disable Vendors, approve the content uploaded by Vendors, add / edit new categories for the content, push the content to Subscribers, view the download logs and status of the contents pushed to Subscribers.

Vendors, can upload the content along with a brief description about it, allot it to a particular category and specify price for the content.

Content can either be pushed to Subscriber from Content Server by Administrator or it can be requested by Subscribers when they send an SMS based on the information available at Presentation Server.

**A. Through Content Server :** Content sever would reflect all the content uploaded by various Vendors. Unapproved content would need approval by Administrator.

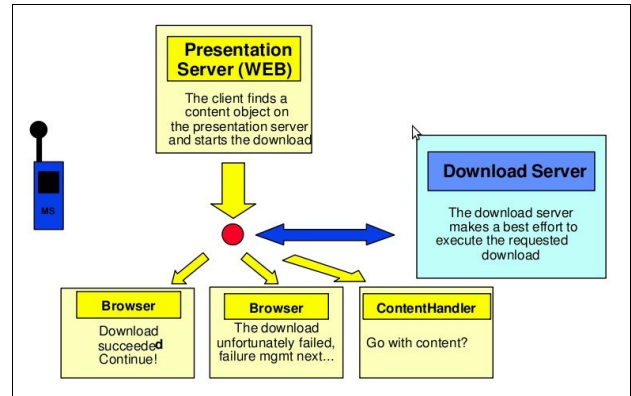
Administrator can view and approve the content. Once approved, an option to send SMS i.e. push the content to Subscriber would be enabled.

When Administrator pushes the content to End user by sending an SMS to intended destination numbers of Subscribers, a description of the content and its cost would be encapsulated in the download descriptor. This descriptor will be pushed before download of the content begins. Thus, Subscriber would know before hand, all the relevant information about the content.

Message would initially go as a Service Indicator (SI) message to Subscriber.

When Subscriber accesses the link, he / she would be able to view details of the content. The request and responses here are trapped through HTTP Request and Response cycle. When Subscriber confirms his / her interest for content, it would be pushed to Subscriber.

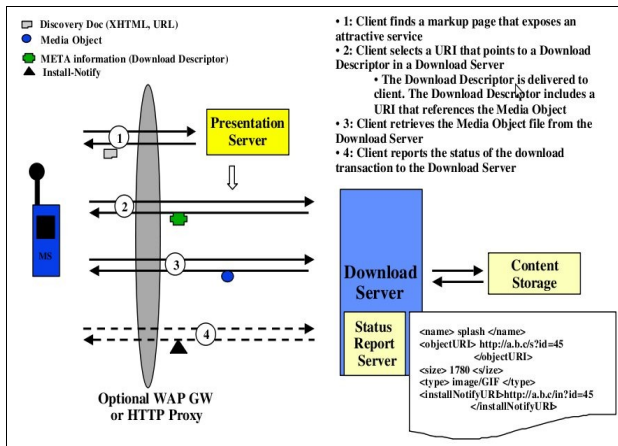
On receiving this SMS, validation of the request is done. If valid, then appropriate SI message is formed and pushed to Subscriber. If validation fails then, appropriate short message is sent to Subscriber indicating the reason for failure of fulfilling the request.



#### IV. TECHNOLOGIES USED

The Service has been developed using Mobicents JAIN SLEE Server, EJB3 and JBoss Seam. Any database can be supported.

Minimum system requirements are JDK 1.6, 512 MB RAM and 20 MB of hard disk space.



**B. Through Presentation Server :** Once approved by Administrator content would be available at the Presentation Server, open for public access.

Subscriber can browse through various categories of Content. On clicking a particular content of his / her interest, Subscriber would be able to see details of content and instructions to download this content. Subscriber will have to send a key word for content to a predefined short code.

For further inquiries / queries please contact: [sales@mobite.co.in](mailto:sales@mobite.co.in)