RSSFeed

Installation & Maintenance Guide

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HISTORY OF CHANGE

Version	Description	Date
1a	Initial Draft	24/04/2007
1b	Updated include changes made in v1.3	27/07/2007
1c	Updated include changes made in the V1.3	06/12//2007
1d	Layout changes and minor corrections	15/01/2008
1	Formal issue.	31/01/2008

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1. INTRODUCTION

This document is the Installation and Maintenance Guide for the RSSFeed XML application for the OpenStage 60/80 phone.

The application is available for demonstration purposes.

The RSS Feed application enables the user to view RSS Feeds from the Internet on an OpenStage phone, enabling them (for example) to be updated with the latest news and events.

2. SCOPE

This document is intended to be used by an administrator who has responsibility for installing and setting up the RSSFeed application.

It is assumed the administrator has sufficient knowledge of the Internet access policy for the network on which the application is used.

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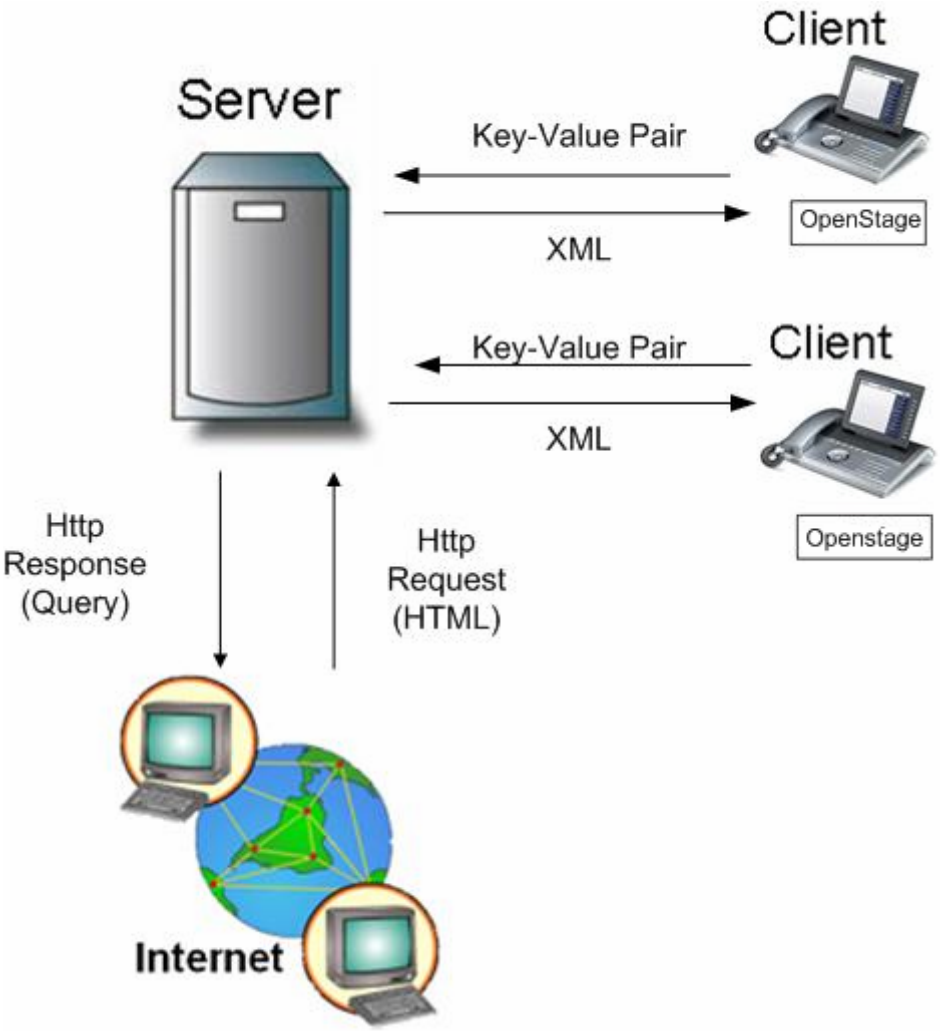
3. SYSTEM OVERVIEW

3.1 Application Architecture



The diagram above provides a high-level overview of the data flow within the system.

3.2 Application Server

RSSFeed has been tested on the following application server platform.

- Windows XP with Service Pack 2
- P4 3.2GHz Processor with 504Mb RAM.
- 10Mbps Ethernet Connection.
- The Java Runtime Environment 1.5
- Apache Tomcat Web server version 5.5

3.3 Required Software & Files

- RSSFeed.war – Web Application Archive

3.4 Network

RSSFeed requires internet access therefore the Internet Browser proxy settings will need to be configured accordingly.

3.5 Phone

The phone software on an OpenStage 60/80 must be V1 R3.6 SIP or later in order to run RSSFeed.

Please refer to the OpenStage documentation for details of phone firmware installation.

4. INSTALLATION

4.1 Installing the Servlet

The RSSFeed application is a Java Servlet web application that is executed in the Apache Tomcat servlet container and deployed in the web application archive RSSFeed.war.

Prior to installing the servlet the following software must be installed:

- Java Runtime Environment (1.5 or later) - http://www.java.com/en/download/manual.jsp
- Apache Tomcat (5.5 or later) - http://tomcat.apache.org/download-55.cgi#5.5.20

Next, with Apache Tomcat running, copy the RSSFeed.war file into Tomcat's webapps directory.

The webapps directory is typically found at:

[PROGRAM FILES]\Apache Software Foundation\Tomcat 5.5\webapps

Tomcat processes the RSSFeed.war file and creates a new folder called **RSSFeed**.

You are now ready to configure the RSSFeed application.

4.2 Configuring the Servlet

RSSFeed is configured via the content.xml file which can be found at the following location:

<tomcat-path>\webapps\RSSFeed\

Whenever this file is edited the server will need to be restarted.

An example content.xml file is shown below:

```
<RSSFeed-Config>
      <CheckForUpdateInterval>30</CheckForUpdateInterval>
      <TickerOverride>
            <Enabled>true</Enabled>
            <TickerEnabled>false</TickerEnabled>
      </TickerOverride>
      <Proxy>
            <UseProxy>false</UseProxy>
            <ProxyAddress></ProxyAddress>
            <ProxyPort></ProxyPort>
      </Proxy>
      <AddNewOnPhone>
            <Enabled>true</Enabled>
            <Prefix>http://</Prefix>
      </AddNewOnPhone>
      <MaximumRSSItems>50</MaximumRSSItems>
      <SplashDescription>
            <Line1>RSS Feed</Line1>
            <Line2>Aggregator</Line2>
      </SplashDescription>
      <ImagesOnList>true</ImagesOnList>
      <DefaultRSSChannels>
            <RSSChannel>
            http://siemens.pressnewsletter.com/user/rss.jsp?locale=en
            </RSSChannel>
            <RSSChannel>
            http://enterprise.usa.siemens.com/docroot/rss/press.xml
            </RSSChannel>
            <RSSChannel>
            http://www.wdwnews.com/RSS.aspx?SiteID=1&CategoryID=948
           </RSSChannel>
      </DefaultRSSChannels>

</RSSFeed-Config>
```

The tags in this config file are defined in the table below.

Tag	***Type***	***Description***
CheckForUpdateInterval	Integer	Update interval in minutes
TickerOverride > Enable	Boolean	States whether the application should take the ticker override value.
TickerOverride > TickerEnabled	Boolean	Whether or not the ticker is displayed when the override is enabled.
Proxy > UseProxy	Boolean	Whether a proxy is used to access the internet.
Proxy > ProxyAddress	IP/Hostname Address	Address of the proxy server
Proxy > ProxyPort	Integer	The Port number of the proxy server.
AddNewOnPhone > Enabled	Boolean	Allows the user to add new feeds using the phone.
AddNewOnPhone > Prefix	String	The default text in the text box when adding a new feed.
MaximumRSSItems	Integer	The maximum RSS Items to be

Tag	***Type***	***Description***
		displayed per feed on the phone.
SplashDescription > Line1	String	The text on the first line of the splash screen
SplashDescription > Line2	String	The text on the second line of the splash screen
ImagesOnList	Boolean	Whether of not images embedded in the RSS feed are displayed when viewing the channel
DefaultRSSChannels > RSSChannel	URL	The set of default, pre-configured channels available to the user prior to configuring their own.

4.3 Running the Server

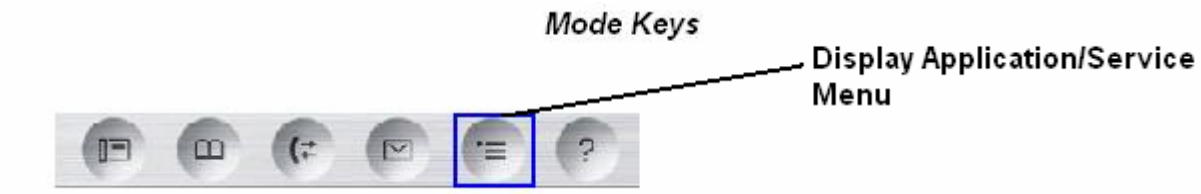
The application will be running whenever Apache Tomcat is running. Restarting Tomcat will restart the application.

The URL of the servlet will be similar to the following.

http://localhost:8080/RSSFeed/RSSFeed

4.4 Configuring the OpenStage 60/80 to run RSSFeed

Configuring applications on the OpenStage 60/80 is not supported from the web portal and so must be configured on the phone.



1. Press the **Display Application/Service Menu** mode key to enter Application Menu mode.
2. If the “Menu” tab is not selected, press **Display Application/Service Menu** again.
3. Select the **Admin** option; you will be prompted to enter the Admin password.
4. From the list select the **Application** option and then select the **XML** option in order to configure XML applications.
5. Select **Add Application** and enter the following details:
   - Display Name: **RSSFeed**
   - Application Name: **RSSFeed**
   - Server Address: ***{The IP Address of the server}***
   - Server Port Number: **8080**
   - Protocol: **http**
   - Program Name on Server: **RSSFeed/RSSFeed**
   - Use Proxy: **No**
6. Press **Save & exit**. This will add **RSSFeed** to the list of available applications.

5. TROUBLESHOOTING

Q: Why do I receive an error when I start the application from the phone?

A: This is usually one of two things – either the configuration of the phone has not been set up correctly or the server application is not running.

Q: I have run the installer and installed RSSFeed successfully. However I am unable to access the RSSFeed Servlet.

A: Ensure the Tomcat server has been restarted after the installation and that it is now running correctly.

- End of document –