

## **Weather Reporter – Installation & Maintenance Guide**

**Project:** Weather Reporter

**State:** DRAFT

**Feature Name:** Weather Reporter

**Document ID:**

**Author:** Shalvee Patel  
[Shalvee.Patel@siemens.com](mailto:Shalvee.Patel@siemens.com)

**Department:** Siemens Enterprise Communications

**Revision:** 1b

**Date Created:** 08/03/2007

**Date Revised:**

This is an unpublished work the copyright in which vests in Siemens Enterprise Communications Limited. All rights reserved.

The information contained herein is confidential and the property of Siemens Enterprise Communications Limited and is supplied without liability for errors or omissions. No part may be reproduced, disclosed or used except as authorised by contract or other written permission. The copyright and the foregoing restriction on reproduction and use extend to all media in which the information may be embodied.

A division of Siemens plc, Registered no: 5903714, England  
Registered Office: Siemens House, Oldbury, Bracknell, Berkshire RG12 8FZ, England

## HISTORY OF CHANGE

Version	Description	Date
1a	Initial Draft	28/02/2007
1b	Added Configuring OpenStage 60/80	08/03/2007
1c	Updated Configuring OpenStage 60/80	10/03/2007

## CONTENTS

1. INTRODUCTION .....	1
1.1 Necessary Software & Files.....	1
2. SCOPE .....	1
3. SYSTEM OVERVIEW .....	2
3.1 Application Architecture .....	2
3.2 Network.....	2
3.3 Application Server.....	2
3.4 Phone Handsets .....	3
3.4.1 OptiPoint 410/420 .....	3
3.4.2 OpenStage 60/80.....	3
4. INSTALLATION .....	4
4.1 Application executable location.....	4
4.2 Installing the servlet .....	4
4.3 Hosting the Servlet.....	5
4.3.1 Configuring the Servlet .....	5
4.4 Running the Server .....	5
4.5 Configuring the AGP to run Weather Reporter .....	6
4.5.1 OptiPoint 410/420 .....	6
4.5.2 OpenStage 60/80.....	6
5. The TROUBLESHOOTING.....	7
5.1 Weather Reporter Checklist.....	7
6. APPROVALS .....	9
7. GLOSSARY .....	9

## 1. INTRODUCTION

This document is the Installation and Maintenance Guide for the Weather Reporter AGP XML application for the OptiPoint 410/420 and OpenStage 60/80 IP Phone models.

The application has been tested and is available as a prototype for demonstration purposes.

Until recent times weather forecasting functionality has been limited to PC and desktops only. By utilising the capabilities of the AGP and Weather Reporter application we can now provide a significant amount of functionality on the IP phone's display.

### 1.1 Necessary Software & Files

- WeatherReporter\_Setup.exe – Installation package
- AGP & Build – Platform on the phone
- JRE 1.5 or later is installed.
- Apache Tomcat Web server version 5.5 or later.

WeatherReporter\_Setup.exe can be found in the IP phone applications folder under

`\vobs\IP_Apps_Pool\Server\Weather Reporter\Installation\WeatherReporter_Setup.exe`

## 2. SCOPE

This document is intended for an administrator installing and setting up the Weather Reporter application.

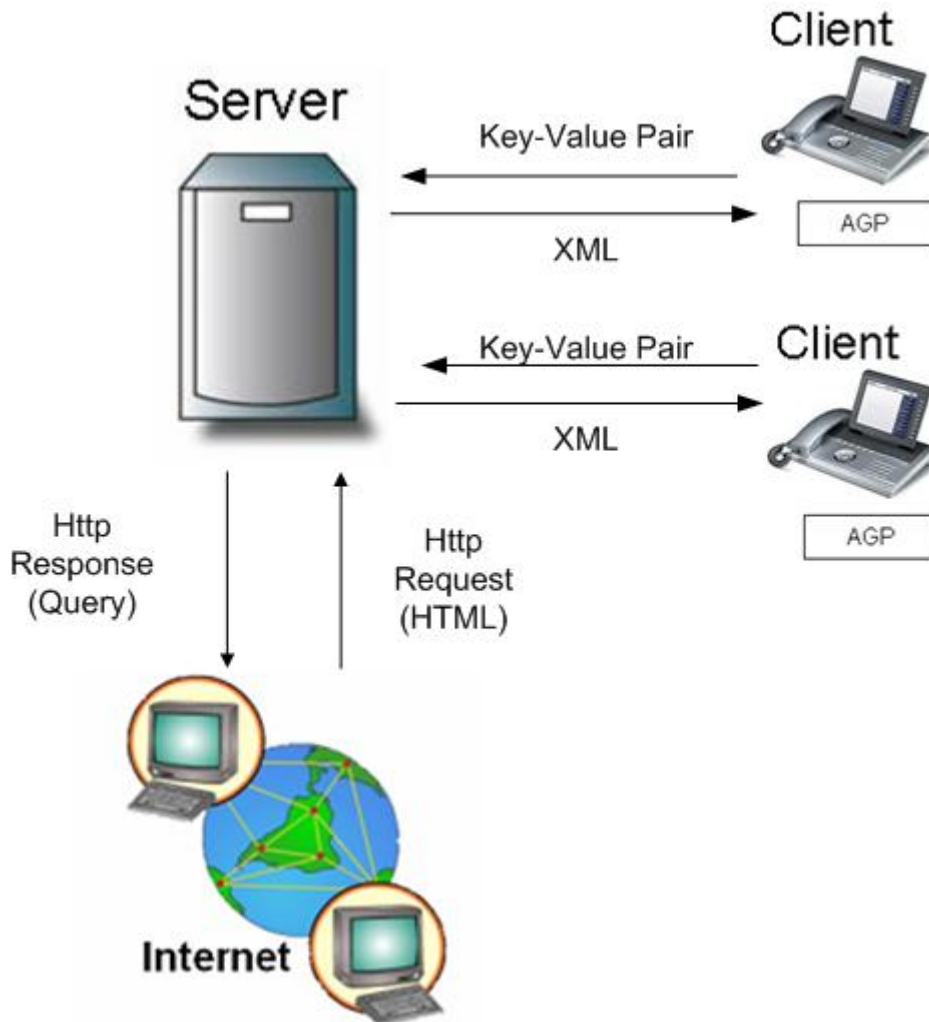
It is assumed the reader has sufficient knowledge about the internet access policy for the network this application is going to be used on, as this application accesses an external source.

This document also provides instructions on configuring the different IP Phone devices to run the Weather Reporter application.

The Java Runtime Environment 1.5 or later and Apache Tomcat 5.5 or later should be installed prior to this installation.

### 3. SYSTEM OVERVIEW

#### 3.1 Application Architecture



#### 3.2 Network

For Weather Reporter to function, it requires access to the internet. So if necessary the correct Internet Proxy settings will be needed.

#### 3.3 Application Server

Weather Reporter has been tested on the following machine.

- Windows XP with Service Pack 2
- P4 3.2GHz Processor with 504Mb RAM.
- 10Mbps Ethernet Connection.
- The Java Runtime Environment 1.5 or later is required.

## **3.4 Phone Handsets**

### **3.4.1 OptiPoint 410/420**

To use the Weather Reporter application on an OptiPoint 410/420 it must also have a DSM/APM. It is highly recommended an APM is used due to the much clearer display.

The phone software must be 5.0.25.0032 or later, with a version of the AGP. However the Weather Reporter application has been developed and tested on V5R1.34.000 and later with the 2.4 version of the AGP. So a build later than V5R1.34.000 is highly recommended.

Please refer to the OptiPoint documentation on how to install the correct phone firmware.

### **3.4.2 OpenStage 60/80**

The phone software on an OpenStage 60/80 must be V0 R7.8.0106 SIP 070212 or later in order to run Weather\_Reporter\_Openstage\_1\_0.

Please refer to the OpenStage documentation on how to install the correct phone firmware.

## 4. INSTALLATION

The installation can be broken down into the following steps:

### 4.1 Application executable location

\\vobs\IP\_Apps\_Pool\Server\Weather Reporter\Installation\WeatherReporter\_Setup.exe

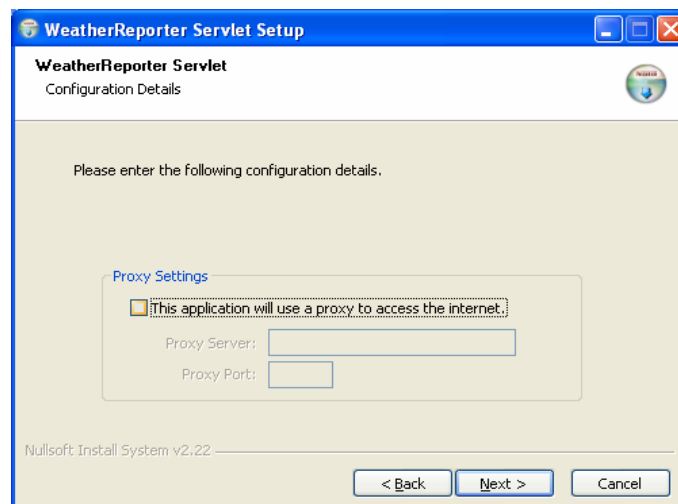
### 4.2 Installing the servlet

The Weather Reporter application comes as one complete package. The program works as a servlet inside Tomcat web server which accepts incoming requests from the phone and returns appropriate responses. To install the servlet, follow these steps:

1. Locate the executable file "WeatherReporter\_Setup.exe" in the directory given above.
2. Copy the file to a local directory on your PC.
3. Double click WeatherReporter\_Setup.exe.
4. You will now be taken through the installation wizard.



5. If you require proxy to access internet enter this information in the installation window shown below.



6. Follow the instructions to install the Weather Reporter Server.

7. The Weather Reporter server is now successfully installed.

Note: If during installation, you receive the following error:

Installation Cannot Continue.

This means the required JRE 1.5 or later and Tomcat 5.5 or later versions are not found.

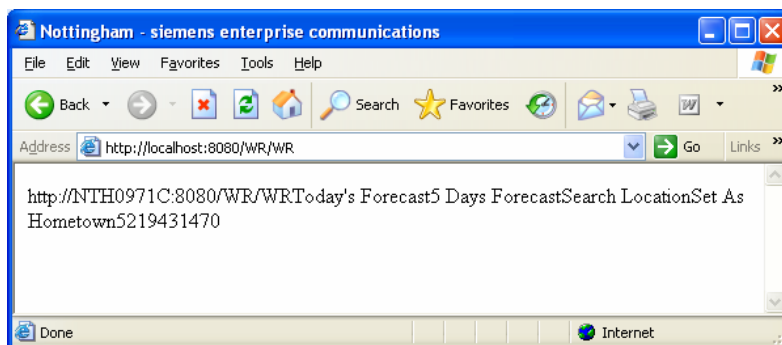
The JRE 1.5 can be downloaded from: <http://www.java.com/en/download/manual.jsp>

The Apache Tomcat version 5.5 can be downloaded from: <http://tomcat.apache.org/download-55.cgi#5.5.20>

### 4.3 Hosting the Servlet

The installation process will place the relevant files in the correct directory. To confirm that the servlet is being hosted type the following URL into a browser:

<http://localhost:8080/WR/WR?ipaddress=1.1.1.1&phonenummer=1234>



Tomcat Web server should be configured to run on port 8080

#### 4.3.1 Configuring the Servlet

Servlet is not configurable. Please ensure that web server is working correctly and if necessary test URL in web browser.

### 4.4 Running the Server

As long as the required version of Tomcat web server is running you should be able to access your application.

## 4.5 Configuring the AGP to run Weather Reporter

### 4.5.1 OptiPoint 410/420

The AGP allows to user to create multiple programs within the programs menu to different applications. This configuration utility is also available on the web portal. From the admin page see Applications, XML Applications and select new program. You should see the configuration utility as shown.

Enter the details as follows:

Display Name: WeatherReporter

Application Name: WeatherReporter

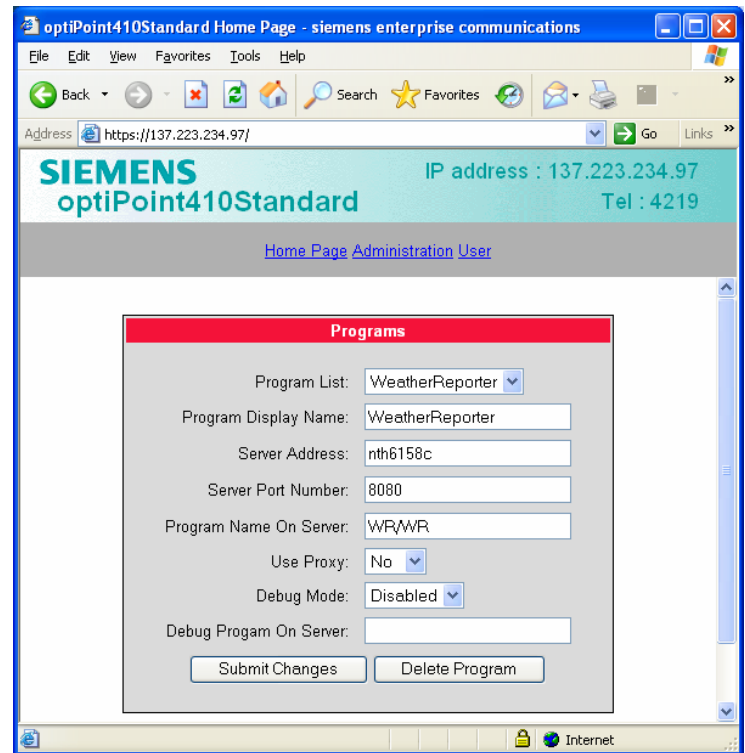
Server Address: gebecom.dyndns.org

Server Port Number: 8080

Program Name on Server: WR/WR

Use Proxy: No

All other fields are optional.



### 4.5.2 OpenStage 60/80

Configuring applications on OpenStage 60/80 is not supported from web portal.



Pressing the "Display Application/Service Menu" mode key starts application Menu mode.

If the "Menu" tab is not selected, pressing the same mode key again allows user to switch to Menu tab.

Select the "Admin" option; then you will be prompted to enter the admin password.

From the list go into "Application" option and further select "XML" option in order to configure XML application.

Selecting XML options will bring options pop and select "Add application".

Enter the details as follows:

Display Name: WeatherReporter

Application Name: WeatherReporter

Server Address: gebecom.dyndns.org

Server Port Number: 8080

Protocol: http

Program Name on Server: WR WR

Use Proxy: No

All other fields are optional.

After entering the required details press "Save & exit". This will add Weather Reporter application to list of Applications. Refer user guide to start the application.

## 5. The TROUBLESHOOTING

Q: Why do I receive an error when I start the application from the phone, saying that it cannot read from the server?

A: This is usually one of two things – either the configuration of the phone has not been set up correctly (See Section 4.5 Configuring the AGP to run Weather Reporter) or the server application is not running (See Section 4.3 Hosting the Servlet ).

Q: Why is there a long delay when starting up the application?

A: The BBC weather website is possibly experiencing high level of accessing. Check the following URL to see if it's responding:

<http://www.bbc.co.uk/weather/>

### 5.1 Weather Reporter Checklist

Please check you have the following set up:

- WeatherReporter\_Setup.exe has been copied to local drive and run.
- If you are using Tomcat web server please ensure you restart web server after installation of servlet.
- The machine running the applications is connected to the internet, and the correct proxy settings are configured.

- The phone has been configured via it's configuration pages to have all the correct server and program information for the Weather Reporter application

You should now be able to use the Weather Reporter Application.

## 6. APPROVALS

<b>Approval Authority</b>	<b>Arshad Kureshi</b> <a href="mailto:arshad.kureshi@siemens.com">arshad.kureshi@siemens.com</a>
<b>Author</b>	<b>Shalvee Patel</b> <a href="mailto:Shalvee.Patel@siemens.com">Shalvee.Patel@siemens.com</a>

## 7. GLOSSARY

<b>AGP</b>	Application Generic Platform
<b>GenericMidlet</b>	AGP Midlet for use on the phone
<b>APM</b>	Applications Module
<b>DSM</b>	Display Screen Module
<b>Build</b>	The base software for the phone.
<b>JRE</b>	Java Runtime Environment
<b>XML</b>	Extensible Mark-up Language
<b>HTML</b>	Hypertext Mark-up Language
<b>BBC</b>	British Broadcasting Corporation
<b>Apache Tomcat</b>	Web Server capable of hosting java servlets.

- End of document -