AGWPE Interface User's Guide
javAPRSSrvr 4.3

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Section 1 - Introduction

AGWIntf was written to provide an interface between javAPRSSrvr clients via the SerialIntf specification and AGWPE (developed by George Rossopoulos, SV2AGW).

AGWIntf can be shared among clients as it is an extension of the SerialIntf class.

Section 2 - Program Requirements and Description

AGWIntf runs on any OS and Java VM supported by javAPRSSrvr 4.0.

AGWIntf is comprised of a number of classes which Java looks at as objects. The main class is net.ae5pl.agwintf.AGWIntf contained in AGWIntf.jar. This class is called at startup, sets parameters, and begins execution of the different support threads.

AGWIntf is an extension of the net.ae5pl.serialintf.SerialIntf class to provide full, bidirectional communication with AGWPE. All packet processing is done at the client.

Section 3 - Configuration Properties

The configuration properties reside in properties files for each client adjunct, server adjunct, and port. The main properties file is called javaprssrvr.properties by default. You can use any text file for the main properties file if you pass the name into javAPRSSrvr as a command line parameter.

The property names are not case sensitive but the values can be. Defaults are shown below.

NOTE: UNLESS YOU REQUIRE A SETTING OTHER THAN THE DEFAULT, DO NOT INCLUDE ANY PARAMETERS WITH DEFAULT SETTINGS.

List parameters (L) may be defined on the property line or may be defined in a text file with the suffix .lst. If defined on the line, each entry is separated by a semicolon. If defined in a file, each entry is put on a separate line in the .lst file and the file name is the property value. Do not put blank lines in the file. For instance, this could be a definition for ListProperty (example only):

ListProperty=first.aprs.net:1313;second.aprs.net:1313

Or you could have the following 2 lines in a file named hubs.lst:

first.aprs.net:1313
second.aprs.net:1313

with ListProperty=hubs.lst

Properties preceded by a (M) are unchangeable and should not be included in your properties files. They are included in the descriptions below to indicate what common properties are available vs. those that have been forcibly overridden.

javAPRSSrvr Properties

SerialPorts=

(L)This must include the AGWIntf properties file.

AGWIntf General Properties

ClassPath=
(L) Must include AGWIntf.jar.

Class=
Must be set to net.ae5pl.agwintf.AGWIntf.

IntfName=
This is the name of the serial interface. This must match the respective client IntfName property.

(M)SharedTransmit=false

(M)TCPPorts=

NICAddress=
IP address of NIC to use if multihomed.

SerialIPAddress=
IP or DNS address of remote TCP port. This is resolved at start-up.

SerialIPPort=-1
Remote TCP port number.

UserName=
This is the AGWPE login user name or leave out if no login required.

Password=
This is the AGWPE login password or leave out if no login required.

Section 4 - Installation Instructions

AGWIntf.jar must be placed in the wherever specified in the ClassPath property. Normally it will be in the same directory as javAPRSSrvr and ClassPath=AGWIntf.jar. Add the properties file to SerialPorts and start javAPRSSrvr.

Section 6 – XML Status Page

XML Detail Page


```
<serialinterfaces>
<serialintf name="AGW">
<class name="AGWIntf">
<package name="net.ae5pl.agwintf" revision="b01" title="AGW Interface" version="4.0.0"/>
</class>
<rcvd bytes="852339"/>
<xmtd bytes="68313"/>
<clients current="1"/>
<connected>
true
</connected>
<remoteinfo port=”8000”>
127.0.0.1
</remoteinfo>
<localinfo port=”0”>
0.0.0.0
</localinfo>
<agwpe username=”” version=”1.23”>
<radioports>
<radioport portnumber=”0”>
<![CDATA[APRS TNC ]]>
</radioport>
</radioports>
</agwpe>
</serialintf>
</serialinterfaces>
```