



**UNIDATA**

# WPU-7700 APS MANAGEMENT



Version 1.0  
Dec.29th.2008

Copyright© 2009  
UniData Communication Systems Inc.

# Introduction

WPU-7700 APS Management tool enable to multi-user based control which can easily deploy firmware upgrading as well as each individual phone management.

We can easily access this tool via APS web interface and get the dynamic statistical data and real time monitoring. Furthermore these data can be used for customer's satisfaction index in the future.

## Overall Functions

Features	Functions	Description
<b>Passive Management</b>	Auto Provisioning	Request configuration file from Wi-fi phone Response configuration file from APS
	Auto Upgrade	Request firmware file from Wi-fi phone Response firmware file from APS
	Basic Monitoring	Sending syslog to APS
	Help Page for Phone	Reporting Wi-fi information in APS
	Auto Bug Reporting	Bug reporting in APS
<b>Active Management</b>	User Based Provisioning	Web-based Wi-fi management in APS (Remote Batch)
	Web2.0 Phone API	WEB 2.0 (HTTP + XML) based API Remote access to phone. Sending message from server DNS based phone accessing
	AP Load Balancing	Enforce to roaming to other AP
	Web2.0 Server API	MAC based user information query Analyzing log and Statistical data
<b>Advanced Monitoring</b>	Secure Syslog	Secured syslog
	Advanced Monitoring	Phone Usage per hour MOS rate per hour Call Success rate per hour Counting phones linked to specific AP
	Phone System Positioning	Identifying connection (phone & AP)
	Advanced Call Service	Identifying counterpart's location Callback

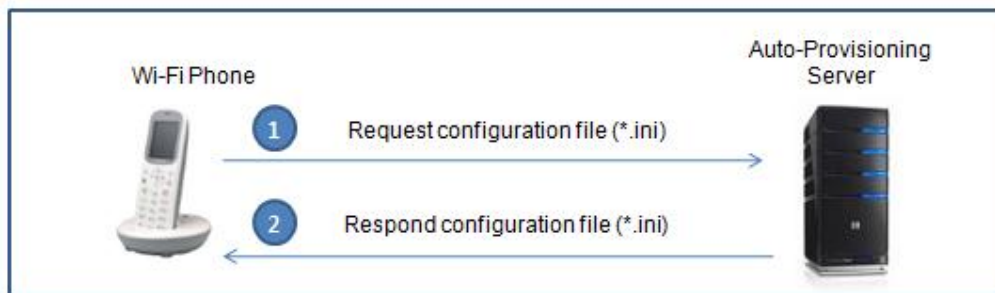
# Specific Functions

## Passive Management

This functions provide administrator with automatic phone setting, firmware downloading and log control.

### n Auto-Provisioning

Whenever you turn on the phone, phone request latest configuration file (\*.ini) to APS and compare it's local configuration file. If APS has the latest file, phone download it and write it to phone



### n Auto-Updating

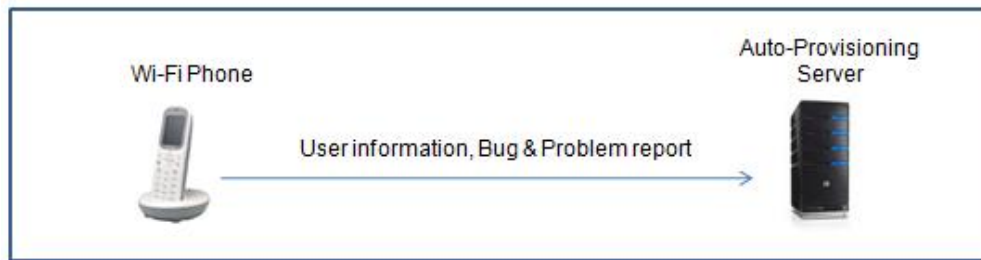
If APS has the latest firmware version, APS notify to phone user with SIP method or other message type and then phone start to upgrade.

(⚠ After upgrade is completed, phone is automatically rebooted)



### n Monitoring

Each individual phone disseminate phone's basic information, bugs and problem to the APS periodically.



## Active Management

Among the new features in this APS management tool, WPU-7700 phone and APS support Web 2.0 API based XML and HTTP. So APS administrator easily access each phone and gather information or notify information (i.e firmware downloading) to each customers.

### **n User based Provisioning**

APS administrator can use this APS tool for finding and querying data from each phone. Also each gathered data can be classified or regrouped by certain categories.

### **n AP Load Balancing**

If you use basic monitoring information like a syslog file, you can make each phone execute roaming to another AP using phone's syslog.

### **n Web2.0 Phone API**

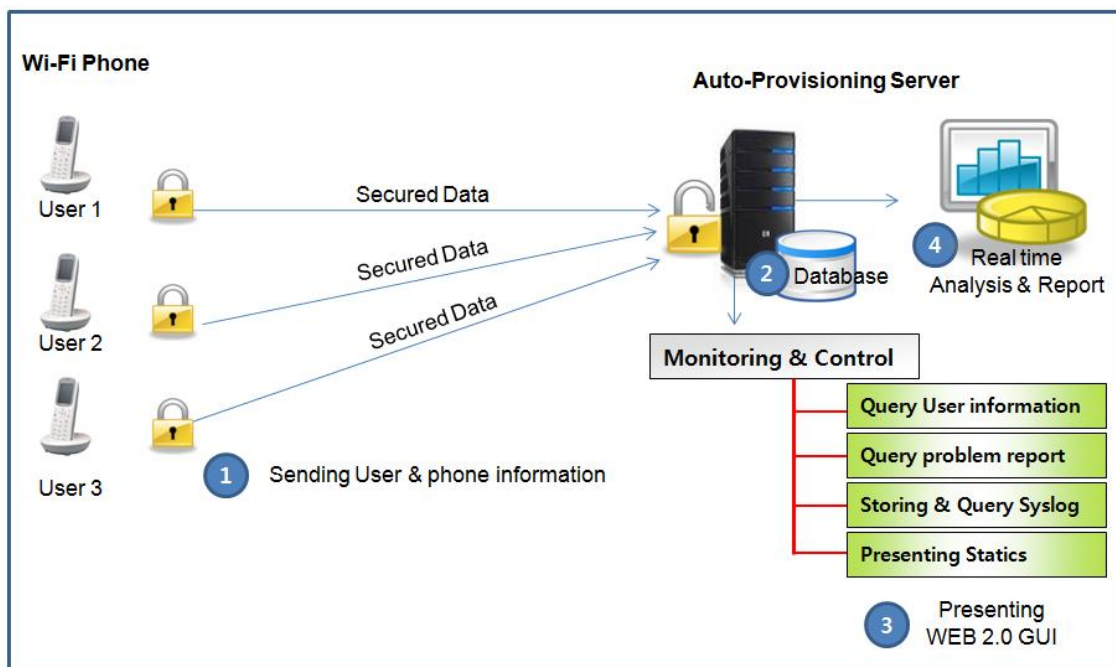
Phone support Web 2.0 API based on http & XML. With this interface, APS administrator can access each phone client remotely

### **n Web2.0 Server API**

APS support Web 2.0 API and GUI interface.

## Advanced Monitoring

With each gathered log, APS analyze it quantitatively or qualitatively. This can be converted user friendly graph whenever administer needed and used for proactive problem management



### n Secure Syslog

Each phone can transmit secured syslog to the APS

### n Advanced Monitoring

With each gathered log, APS analyze it quantitatively or qualitatively.

This can be converted user friendly graph whenever administer needed and used for proactive problem management tool.

### n Phone Positioning System

This tool can be co-work with RTLS(Real Time Location Server) and find out person who are in specific area.

### n Advanced Call Service

If you connect APS server, each phone no longer need to SIP server. Also this can provide user with diverse call server.