

Demo Instructions This document describes the procedures for running the demo. The demo involves three major components: PhoneHomeServer, QueryTool, and Demo application. PhoneHomeServer and QueryTool are java applications, so the java JRE must be installed. Set the JAVA_HOME environment variable to the directory where you have installed the JRE. Add JAVA_HOME/bin to your PATH environment variable. These particular instructions are pertinent for the <CB>/release/DemoForKarl_12_6_04.zip release, but may be relevant for other releases as well.

PhoneHomeServer The PhoneHomeServer is located at /demo/PhoneHomeServer. To run the PhoneHomeServer, open a command window (DOS or cygwin) and type: `java -classpath . PhoneHomeServerGUI` By default, the PhoneHomeServer listens on port 12345. To bind to another port, start the program via: `java -classpath . PhoneHomeServerGUI port` where port is the port to listen on. Take note of the IP address of the machine that is running the PhoneHomeServer – you will need this as input to the Demo application.

QueryTool Ensure that the host on which QueryTool will be run is connected to the AP. To run the QueryTool, go to the /demo/QueryTool/dist directory. From a cygwin prompt, issue: `./runQueryTool.sh` The QueryTool “IP Address” box contains the address 224.0.1.43 by default. This is the intersil SIDED multicast address which intersil APDK-based devices will respond to. The “Port Number” is the port to run SNMP queries on, typically 161. The “Community String” is the password of the AP, which is “password” by default for the netgear WG602v2. Set the “IP Address”, “Port”, and “Community String” fields appropriately, and press the Query button. The AP to which you are connected should respond with query info. A green check should show up in the upper right corner. Click the “Upload Image” button to select an image to upload to the AP. The /demo/netgear/images directory contains two images -- voiceLoginNetgear.img is the demo image, and wg602v2_3_1rc5.img is the original netgear image. If you want to run the demo image, browse to and select /demo/netgear/images/voiceLoginNetgear.img. If you want to restore the original image, browse to and select select /demo/netgear/images/ wg602v2_3_1rc5.img. The netgear typically takes about 10 seconds to upgrade the image over the air, and another 2 minutes to write the image and reset itself.

Demo application To run the demo application, telnet to the AP. To see all of the options available, type: `demo -h` The /demo/netgear/demoCommandLine.txt file has a sample command line, but you must replace the PhoneHomeServer IP with the appropriate dotted IP address of the PhoneHomeServer. If you want to run a netcat portscan, you can use: `netcat -vvn -z x.x.x.x portStart-portStop` -vv is very verbose output -z won't stop when an open port is found. If no -z is specified, the program will stop when an open port is found. x.x.x.x is IP address of machine to target. portStart-portStop is the port range to scan (e.g. 1-100 scans ports 1-100)