



Software Release Notes - msd45

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Change History

Issue	Change	Author	Date
001	20130309v1	Dimitrios Siganos	09 Mar 2013
002	alpha.0.2	Dimitrios Siganos	11 Apr 2013

Content

<u>1.</u>	<u>Software Version 20130309v1</u>	<u>3</u>
1.1	Package	3
1.2	Features.....	3
1.3	Known Issues.....	3
<u>2.</u>	<u>Software Version alpha.0.2</u>	<u>5</u>
2.1	Supplicant	5
2.2	CLI	5
2.3	SDK.....	5

1. Software Version 20130309v1

1.1 Package

The release package consists of

- Zip file containing the tar balls and patches required to build all the image for the WB45
- Header files required to use the SDK (future releases will change the way these files are released)
- 2 example sdc_cli scripts
 - eap-tls.cfg
 - peap-mschapv2.cfg

1.2 Features

The SDK functions supported by this release are

- GetConfig()
- GetPSK()
- SetPSK()
- SetEAPTLSCred()
- GetEAPTLSCred()
- SetEAPTTLSCred()
- GetEAPTTLSCred()
- GetPEAPTLSCred()
- SetPEAPMSCHAPCred()
- GetPEAPMSCHAPCred()
- SetPEAPGTCCred()
- GetPEAPGTCCred()
- SetUserCertPassword()
- GetBSSIDList()
- GetDHCPInfo()
- GetSDKVersion()

1.3 Known Issues

These are the known issues with the currently operational SDK functions

- GetBSSIDList() is only partly working. The following attributes are returned correctly
 - ssid
 - bssid
 - freq
- GetDHCPInfo() to work
 - `ln -s /var/lib/dhcp/dhclient.leases /var/lib/dhcp/dhclient.wlan0.leases`

- Certificates must be placed in /etc/ssl and referenced relative to /etc/ssl. E.g. a certificate in /etc/ssl/certs/ca.pem is referenced as "certs/ca.pem". Setting a different certpath (e.g. sdc_cli global set certpath <path>) does not work yet.
 - PEM certificates are supported in all occasions.
 - DER format is also accepted for a CA cert.
 - PKCS12 is also accepted for client side certs.

2. Software Version alpha.0.2

2.1 Supplicant

- Work-around radio firmware issue for band restricted profiles
- FB1969: PEAP to no longer use anonymous identity by default

2.2 CLI

- nmode is now part of profiles instead of global.
- fixed MAC address display when first byte was zero added more RADIOMODEs

2.3 SDK

- Removed one second delays at startup and shutdown.
- Replaced internal calls to RadioEnable/Disable with RadioUp/Down.
- Added support for more country codes: CA, FR, GB, AU, NZ REG_FCC is mapped to TT
- Fixed bug in SetUserCertPassword
- Removed GetDHCPInfo(), DHCP event and related code.
- Inform supplicant of RadioDisable request
- nmode is now part of profiles instead of global
- Implemented most of the functionality of GetCurrentStatus on WB45n
- Added a few more RADIOMODEs
- Added event handling on WB45n - 3 events supported: connect, roam, disconnect
- Changed default RADIOMODE to ABGN
- Added function LRD_InjectEvent
- Known Issues:
- GetBSSIDList() is only partly working. The following attributes are returned correctly ssid bssid freq
- Certificates must be placed in /etc/ssl and referenced relative to /etc/ssl.
- E.g. a certificate in /etc/ssl/certs/ca.pem is referenced as "certs/ca.pem".
- Setting a different certpath (e.g. sdc_cli global set certpath <path>) does not work yet.
- The SDK doesn't yet support finer WiFi adjustments such as channel selection, power setting, band setting, powersave, etc. These are currently running on default values
- RSSI field should supply current signal quality in dBm. The current implementation is dBm*100. The user should divide the RSSI value in by 100 to obtain the correct signal quality reading in dBm.