

ID	TSS001448	Creation date	June 30, 2009
Platform	S60 3rd Edition, S60 3rd Edition FP1	Devices	Nokia E71, N95, E61i
Category	Symbian C++	Subcategory	Device management

Keywords (APIs, classes, methods, functions):

Overview

This article gives an overview of the commands used for creating a WLAN access point (AP) with WEP and WPA-PSK authentication.

Description

Device Management commands can be used for remote creation and configuration of APs. Various servers, such as Funambol, Sync4j, and SCTS servers, can be used for this purpose. Add, Replace, and Delete commands can be used for the creation, modification, and deletion of the AP.

Solution

The following commands are used for the creation of a WLAN AP with WEP and WPA-PSK authentication.

i. AP creation with WEP authentication

Using the Add command, a new AP can be created using the following commands:

```
./AP/<APId010>
./AP/<APId010>/NAPDef/<NAPId001>
./AP/<APId010>/NAPDef/<NAPId001>/Name <<AP Name>>
./AP/<APId010>/NAPDef/<NAPId001>/Bearer/<BId001>
./AP/<APId010>/NAPDef/<NAPId001>/Bearer/<BId001>/BearerL WLAN
./AP/<APId010>/NAPDef/<NAPId001>/Bearer/<BId001>/Direction Outgoing
./AP/<APId010>/NAPDef/<NAPId001>/Networks/<NwId007>/Name <<Network Name>>
./AP/<APId010>/NAPDef/<NAPId001>/WLAN
./AP/<APId010>/NAPDef/<NAPId001>/WLAN/<WLIId001>
./AP/<APId010>/NAPDef/<NAPId001>/WLAN/<WLIId001>/NetworkMode Infrastructure
./AP/<APId010>/NAPDef/<NAPId001>/WLAN/<WLIId001>/SSIDHidden false
./AP/<APId010>/NAPDef/<NAPId001>/WLAN/<WLIId001>/SecurityMode WEP
```

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```
./AP/<APId010>/NAPDef/<NAPId001>/WLAN/<WLIId001>/WEPKey 1
./AP/<APId010>/NAPDef/<NAPId001>/WLAN/<WLIId001>/WEPAuthMode 1
./AP/<APId010>/NAPDef/<NAPId001>/WLAN/<WLIId001>/WEPKey/WKId1/Data <<WEPKey>>
./AP/<APId010>/NAPDef/<NAPId001>/WLAN/<WLIId001>/SSID <<Network Id>>
```

ii. AP creation with WPA-PSK authentication

Using the Add command, a new AP can be created using the following commands:

```
./AP/<APId010>
./AP/<APId010>/NAPDef/<NAPId001>
./AP/<APId010>/NAPDef/<NAPId001>/Name <<AP Name>>
./AP/<APId010>/NAPDef/<NAPId001>/Bearer/<BIId001>
./AP/<APId010>/NAPDef/<NAPId001>/Bearer/<BIId001>/BearerL WLAN
./AP/<APId010>/NAPDef/<NAPId001>/Bearer/<BIId001>/Direction Outgoing
./AP/<APId010>/NAPDef/<NAPId001>/Networks/<NwId007>/Name <<Network Name>>
./AP/<APId010>/NAPDef/<NAPId001>/WLAN
./AP/<APId010>/NAPDef/<NAPId001>/WLAN/<WLIId001>
./AP/<APId010>/NAPDef/<NAPId001>/WLAN/<WLIId001>/NetworkMode Infrastructure
./AP/<APId010>/NAPDef/<NAPId001>/WLAN/<WLIId001>/SSID NOKIA_MDP
./AP/<APId010>/NAPDef/<NAPId001>/WLAN/<WLIId001>/SSIDHidden true
./AP/<APId010>/NAPDef/<NAPId001>/WLAN/<WLIId001>/SecurityMode WPA
./AP/<APId010>/NAPDef/<NAPId001>/WLAN/<WLIId001>/UseWPAPSK true
./AP/<APId010>/NAPDef/<NAPId001>/WLAN/<WLIId001>/WPAPreSharedKey <<PSK>>
```

Modification and Deletion

For modifying the settings, Replace and Delete commands can be used.

To change the Security mode from WPA to WPA2, the following command can be used:

```
Replace ./AP/<APId010>/NAPDef/<NAPId001>/WLAN/<WLIId001>/SecurityMode WPA2
```

To remove the AP, the following command can be used:

```
Delete ./AP/<APId010>
```

Related article

[TSS000699 - Adding access points via device management](#)

[TSS001363 - Creating multiple access points using OMA DM](#)