

Creating_new_SIP_profile_programmatically

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Platform	S60 3rd Edition FP2 S60 5th Edition	Tested on devices	N85, N96, N97, Nokia 5800 XpressMusic
Category	Symbian C++	Subcategory	...

Keywords (APIs, classes, methods, functions): SIP, SIP profile

Overview

This snippet demonstrates how to create new SIP Profile using CSIPManagedProfileRegistry and CSIPManagedProfile classes. Snippet requires WriteDeviceData NetworkServices capabilities. Self-signing is not possible because of required capabilities.

MMP file

CAPABILITY WriteDeviceData NetworkServices

LIBRARY sipprofilecli.lib

Source file

```
#include <sipmanagedprofile.h>
#include <sipmanagedprofileregistry.h>

CSIPManagedProfileRegistry *profRegistry = CSIPManagedProfileRegistry::NewLC(*this);

TSIPProfileTypeInfo info;
info.iSIPProfileClass = TSIPProfileTypeInfo::EInternet;
info.iSIPProfileName = KSIPiETFProfileType;

//Instantiates new profile with default values
CSIPManagedProfile *profile = profRegistry->CreateL(info);
CleanupStack::PushL(profile);

//General SIP profile settings
profile->SetParameter(KSIPProviderName, _L8("Provider"));
profile->SetParameter(KSIPAccessPointId, 2);
profile->SetParameter(KSIPSigComp, EFalse);
profile->SetParameter(KSIPSecurityNegotiation, EFalse);
profile->SetParameter(KSIPUserAor, _L8("user@example.com"));
profile->SetParameter(KSIPAutoRegistration, EWhenNeeded);
profile->SetParameter(KSIPDefaultProfile, ETrue);

//Registrar settings
```

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```
profile->SetParameter(KSIPRegistrar,KSIPServerAddress,_L8("sip:example.com"));
profile->SetParameter(KSIPRegistrar,KSIPDigestUserName,_L8("username"));
profile->SetParameter(KSIPRegistrar,KSIPDigestRealm,_L8("realm"));
profile->SetParameter(KSIPRegistrar,KSIPDigestPassword,_L8("password"));

//Proxy settings
profile->SetParameter(KSIPOutboundProxy,KSIPServerAddress,_L8("sip:example.com;lr;transport=TCP"));
profile->SetParameter(KSIPOutboundProxy,KSIPDigestUserName,_L8("username"));
profile->SetParameter(KSIPOutboundProxy,KSIPDigestRealm,_L8("realm"));
profile->SetParameter(KSIPOutboundProxy,KSIPDigestPassword,_L8("password"));

profRegistry->SaveL(*profile);
CleanupStack::PopAndDestroy(2);
```

Postconditions

New SIP profile called Provider is added to the SIP profile registry. Existing SIP profiles can be found from:

Settings > Connection > SIP Settings