



CHAPTER 14

SIP Subscriber Provisioning

Revised: July 28, 2009, OL-12777-10

This chapter explains how to provision a SIP subscriber.

In this document, SIP subscriber means a SIP phone that is registered directly to the BTS 10200 and for which the BTS 10200 maintains subscriber information. The BTS 10200 supports SIP subscribers on SIP phones that are compliant with RFC 3261 or RFC 2543.



Note

For details related to SIP signaling, see the [Cisco BTS 10200 Softswitch SIP Feature and Provisioning Guide](#).

Only the CLI commands for certain tables specific to SIP subscribers are provided in this procedure. The CLI commands for other tables, such as a `sub_service_profile`, `dial_plan`, which are required for the subscriber, are not described here.

Step 1 Add the AUTH_REALM.

```
add auth_realm
id = ciscolab; description=sample_authrealm;
```

Step 2 Add the SERVING_DOMAIN_NAME.

Add the domain name or the IP address in the `DomainName` field. If authentication is required on the phones, set `AUTH_REQD=Y`.

```
add serving-domain-name domain_name=domainname.com; auth_reqd=y; auth_realm_id=ciscolab;
description=sample_name;
```

Step 3 Add a SIP subscriber.

```
add subscriber
ID=sip_sub1; CATEGORY=INDIVIDUAL; NAME=SipSub1; STATUS=ACTIVE; LANGUAGE=english;
BILLING-DN=469-555-1111; DN1=469-555-1111; RING-TYPE-DN1=1; SUB-PROFILE-ID=sub_profile;
TERM-TYPE=SIP; AOR-ID=4695551111@cisco.com; privacy=user;
```



Note

Setting the privacy parameter to user directs the system to apply the user-provided privacy information. This setting (`privacy=user`) applies only to SIP endpoints that are capable of including privacy information.

Step 4 Add the USER_AUTH entry.

This is used only if `Auth-Reqd` in the `serving_domain_name` is set to `Y`.

```
add user_auth
auth_user=sipsub1; auth_realm_id=ciscolab; aor_id=4695551111@domainname.com;
password=cisco_sipsub1;
```

Step 5 In a lab environment, if the device is not capable of registering itself, a static contact can be used.

```
add static_contact
static_contact_host=172.16.33.77; static_contact_port=5060;
aor_id=4695551111@domainname.com; user_type=phone;
```

Step 6 Provision CA-CONFIG to provide min, max, and default values for register expiration. If you do not enter values for these parameters, the default value for each parameter is used. (For default values, see the CA-CONFIG values in the [Cisco BTS 10200 Softswitch CLI Database](#).)

```
add ca-config
type=SIA_REG_MIN_EXPIRES_SECS; datatype=INTEGER; value=1800;

add ca-config
type=SIA_REGISTER_DEFAULT_EXPIRES; datatype=INTEGER; value=3600;

add ca-config
type=SIA_REG_MAX_EXPIRES_SECS; datatype=INTEGER; value=36000;
```

Step 7 Put the AOR in service (INS).

```
change aor2sub
aor_id=4695551111@domainname.com; status=INS;
```
