

# mod\_xml\_radius

## About

Provides RADIUS authentication, also useful for connecting to billing packages such as Jerasoft.

## Features

### Implemented

Authorization: Directory lookup for sip registrations(hash only, no passwords) Dialplan app for authorization

Accounting: Per leg accounting regular expression based limiting for accounting on nearly any channel variable

Misc: Ability to specify channel variable, plus alternate channel variable to use for field values

### Missing

There are four good ways to have the feature added:

- Add the feature request as a blog comment below
- File a JIRA ticket
- Catch me on IRC #freeswitch as user quentusrex or quentusrex\_
- Contact [consulting@freeswitch.org](mailto:consulting@freeswitch.org)
- Send me a patch: [wking@freeswitch.org](mailto:wking@freeswitch.org)

## Example freeradius config

Radius users entry ( cleartext password or HA1 hash required for digest authentication )

```
bob Cleartext-Password := "zanzibar", Realm == "biloxi.com"
    Reply-Message = "Welcome to FreeSWITCH!",
    Freeswitch-AVPair = "alias=315",
    Freeswitch-AVPair += "international=yes",
    Freeswitch-AVPair += "natuser=no",
    Freeswitch-AVPair += "vm_pass=1234"
```

## Dialplan Use Examples

To schedule hangup when time runs out:

```
<action application="set" data="execute_on_answer=sched_hangup +${h323-credit-time} allotted_timeout" />
```

To tell user the number of minutes:

```
<action application="pre_answer" />
<action application="playback" data="/usr/local/freeswitch/sounds/en/us/callie/voicemail/8000/vm-you_have.wav" />
<action application="set" data="h323-credit-time-minutes=${expr(floor(${h323-credit-time}/60)}" />
<action application="say" data="en number pronounced ${h323-credit-time-minutes}" />
<action application="playback" data="/usr/local/freeswitch/sounds/en/us/callie/time/8000/minutes.wav" />
```

To tell the user their account balance / funds remaining:

```
<action application="pre_answer" />
<action application="playback" data="/usr/local/freeswitch/sounds/en/us/callie/ivr/8000/ivr-account_balance_is.
wav"/>
<action application="say" data="en currency pronounced ${h323-credit-amount}"/>
```