

mod_hiredis

About

mod_hiredis implements an interface for running basic redis commands on configured servers and also deprecated old mod_redis implementing the limit backend.

Loading

Once you have installed FreeSWITCH from packages, configure FreeSWITCH to load mod_hiredis in autoload_configs/modules.conf.xml by uncommenting the line:

```
<load module="mod_hiredis" />
```

Configuration

Edit the redis server connection configuration in autoload_configs/hiredis.conf.xml and set the hostname, password, and port as applicable.

Configuration example:

```
<configuration name="hiredis.conf" description="mod_hiredis">
  <profiles>
    <profile name="default">
      <connections>
        <connection name="primary">
          <param name="hostname" value="172.18.101.101" />
          <param name="password" value="redis" />
          <param name="port" value="6379" />
          <param name="timeout_ms" value="500" />
        </connection>
        <connection name="secondary">
          <param name="hostname" value="localhost" />
          <param name="password" value="redis" />
          <param name="port" value="6380" />
          <param name="timeout_ms" value="500" />
        </connection>
      </connections>
      <params>
        <param name="ignore-connect-fail" value="true" />
      </params>
    </profile>
  </profiles>
</configuration>
```

Connection parameters:

- **hostname**: DNS hostname or IP address of the server (default: localhost)
- **port**: TCP port where Redis server is listening (default: 6379)
- **password**: if set, the AUTH command is sent to the server (default: no authentication)
- **timeout_ms**: timeout waiting for the server connection, in milliseconds (default: 500)
- **max-connections**: the module keeps a pool of simultaneously open connections, and this sets their limit (default: 3)

Profile parameters:

- **ignore-connect-fail**: if set to true, a socket connection error is ignored and the call processing continues; otherwise the call is set to error status (default: false)
- **ignore_error**: if set to true, Redis command execution error is ignored, and the call processing continues; otherwise the call is set to error status (default: false)

After configuring the module. apply the changes in fs_cli:

```
reloadxml
reload mod_hiredis
```

Usage

Limit interface

```
<action application="limit" data="hiredis realm id 10 limit_exceeded" />
```

See also: [Limit](#).

Dialplan application

In both the dialplan application and the API function, the Redis command is preceded with the profile name. See also: [Redis command reference](#).

```
<action application="hiredis_raw" data="default LPUSH Callers ${effective_caller_id_number}" />
```

API function

```
hiredis_raw default set test 01
hiredis_raw default get test
```

Channel variables

`hiredis_raw_response` is set after the Redis command execution.