**#19046** - <https://redmine.vnc.biz/issues/19046>

1. **Description**:

* The sipml5 api should generate some sort of error if there are problems with the connection catch this errors and show this errors in a meaningfull manner in the softphone display

For example: "Cannot register to sip server" or "Cannot make call, try again later".

1. **Analytic**
2. **Solutions**:

* Research how to SIPml5 handle error.
* Handle some SIP events.
* Display message on display monitor.
* Test some cases to display error.

1. **Implementation**
   1. **Code:**

* Hard code SIP account:

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| --- |
| // Config sip account  var txtDisplayName = "quydang";  var txtPrivateIdentity = "quydang";  var txtPublicIdentity = "sip:quydang@sip2sip.info";  var txtPassword = "12345678@X";  var txtRealm = "sip2sip.info"; |

* Handle some SIP events:

|  |
| --- |
| // Callback function for SIP Stacks function onSipEventStack(e /\*SIPml.Stack.Event\*/) {  switch (e.type) {  case 'started':  case 'stopping': case 'stopped': case 'failed\_to\_start': case 'failed\_to\_stop':  case 'i\_new\_call': ... }  // Callback function for SIP sessions (INVITE, REGISTER, MESSAGE...) function onSipEventSession(e /\* SIPml.Session.Event \*/) {  tsk\_utils\_log\_info('==session event = ' + e.type);   switch (e.type) {  case 'connecting': case 'connected':  case 'terminating': case 'terminated':  case 'i\_ao\_request': ... |

* Display message on display monitor:

|  |
| --- |
| txtCallStatus.innerHTML = "<b>[" + txtPublicIdentity.value + "] is not a valid Public identity</b>"; |

* Test some cases to display error:

1. Register with wrong password or username: "Unauthorized"
2. Wrong WebSocket Server URL: "Disconnected: Failed to connet to the server"
3. Call but no answer: "Request Timeout"
4. Decline call: "Busy Here"
5. Call to wrong number: "User not found"