**#22891** - <https://redmine.vnc.biz/issues/22891>

1. **Description**:

* Display roster
* Send presence notification
* Able to chat with contacts from the roster
* Display a simple chat with messages from, to and date with seconds.

1. **Analytic**
   1. **Root cause**:
   2. **Solutions**:

Research this ticket on link:

+ <https://github.com/robotnic/angular-xmpp-services>

+ <https://github.com/robotnic/angular-xmpp>

+ <https://github.com/xmpp-ftw/xmpp-ftw>

+ <https://github.com/xmpp-ftw/xmpp-ftw-demo>

+ <https://redmine.vnc.biz/projects/vnc-uc/wiki/AngularXMPP>

+ Code angular-XMPP demo from Plunker.

Set up environment to build the app chat, build xmpp-ftw-demo and prosody server on local.

Build app chat base on <https://github.com/robotnic/angular-converse>, I can use the app chat to:

+ Login/Logout with username and password.

+ Get roster (but can't get presence from another client).

+ Update presence information with dnd, away, online and logout.

+ Chat 1-1 with messages from, to and time.

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

***Deployed send presence notification requirement as ticket description by handle code:***

* *In* ***script.js*** *file to update icon status of users in roster list when receive presence and update icon,status of user update status himself:*

|  |
| --- |
| var host="http://prosody-dev1.vnctalk.zimbra-vnc.de:3000";  this.chatboxes=[ ];  $scope.me = {  icon: 'icon-online',  status:'I am online' } ..., function(notification){  console.log("notification",notification);  $scope.roster=that.xmpp.model.roster;  if ($scope.roster){  if (notification =="roster" || notification =="xmpp.presence"){  for(i = 0; i < $scope.roster.length; i++){  if ($scope.roster[i].presence ){  if($scope.roster[i].presence.show){  $scope.roster[i].presence.icon = "icon-" + $scope.roster[i].presence.show;  }else{  $scope.roster[i].presence.icon = "icon-online";  }  }  }  }  }  //$scope.$apply() not needed,empty function fires render process  ... |

* *In* ***templates/roster.html*** *to handle update presence of UI:*

|  |
| --- |
| From:  <span class="icon-online"></span>I am online  To:  <span class="{{ me.icon }}"></span>{{ me.status }}  From:  <dd ng-click="page.openchat(item)" class="online current-xmpp-contact" ng-repeat="item in page.xmpp.data.roster"><a class="open-chat" title="Name: {{item.jid.user}}@{{item.jid.domain}}  JID: {{item.jid.user}}@{{item.jid.domain}}  Click to chat with this contact" href="#"><span class="icon-online" title="This contact is online"></span>{{item.jid.user}}@{{item.jid.domain}}</a>  <a class="remove-xmpp-contact icon-remove" title="Click to remove this contact" href="#"></a>  </dd>  </dl>  </div>  </div>  To:  <dd class="online current-xmpp-contact" ng-repeat="item in page.xmpp.data.roster">  <a ng-click="page.openchat(item)" class="open-chat" title="Name: {{item.jid.user}}@{{item.jid.domain}}  JID: {{item.jid.user}}@{{item.jid.domain}}  Click to chat with this contact" href="#">  <span ng-if="item.presence" class="{{item.presence.icon}}" title="This contact is {{item.presence.show}}"></span>  <span ng-if="!item.presence" class="icon-offline" title="This contact is offline"></span>  {{item.jid.user}}  </a>  <button ng-if="item.ask=='subscribed'" ng-click="page.confirmContact(item.jid)"> confirm</button>  <button title="Click to remove this contact" ng-click="page.removeContact(item)"> x</button>  </dd>  </dl>  </div>  </div>  </div> |