**#20781** - <https://redmine.vnc.biz/issues/20781>

1. **Description**:

* Check what are the differences between 2.3.1 and 2.4.0 for the prosody-packging.git and the vnc-zimlet-chat.git.
* vnc-uc.git has been kept up to date by me.
* Merge the 2.3.1 release into 2.4.0. They are many conflicts regarding the external user handling, this need to be analyzed.

1. **Analytic**
   1. **Bugs**:

* Found the bug when we use tooltip to make video call, it need to hide with basic user. Need to create ticket to fix it.
* Have a problem when invite user by "Add people" button, input "bob; alice; phuong.vu@vnc.biz;" into field name. String email external has a space " ". So, when check email, it return false ==> error.
* build VNC-zimlet with ./buildVNCtalkZimletLicensed.sh build , it failed.
  1. **Solutions**:
* create ticket to fix tooltip: <https://redmine.vnc.biz/issues/20980>
* trim email of invite user list.
* Test some features:

+ External user: video call, send email, call API, etherpad.

+ Chat Group: Invite user, set password, chat multi lines, copy text chat.

* Fix some bugs:

+ Check subject when invite chat group.

+ Change type of License variables string to boolean:

* Test with License Basic.
* Test VNCtalk with License Advanced.

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

* Change type of License variables string to boolean:

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| if(biz\_zcs\_vnc\_talk\_zimlet.VNCTALK\_LICENSE\_TYPE == "advanced"){  biz\_zcs\_vnc\_talk\_zimlet.VNCTALK\_ADVANCED\_SINGLE\_VIDEOCALL = true;  biz\_zcs\_vnc\_talk\_zimlet.VNCTALK\_ADVANCED\_GROUP\_VIDEOCALL = true;  biz\_zcs\_vnc\_talk\_zimlet.VNCTALK\_ADVANCED\_DOCUMENT\_COLLABORATION = true;  biz\_zcs\_vnc\_talk\_zimlet.VNCTALK\_ADVANCED\_FILETRANSFER = true; } else {  biz\_zcs\_vnc\_talk\_zimlet.VNCTALK\_ADVANCED\_SINGLE\_VIDEOCALL = false;  biz\_zcs\_vnc\_talk\_zimlet.VNCTALK\_ADVANCED\_GROUP\_VIDEOCALL = false;  biz\_zcs\_vnc\_talk\_zimlet.VNCTALK\_ADVANCED\_DOCUMENT\_COLLABORATION = false;  biz\_zcs\_vnc\_talk\_zimlet.VNCTALK\_ADVANCED\_FILETRANSFER = false; } |

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| + Disable VNCtalk Video tab at basic user:  if ( biz\_zcs\_vnc\_talk\_zimlet.VNCTALK\_ADVANCED\_SINGLE\_VIDEOCALL && biz\_zcs\_vnc\_talk\_zimlet.VNCTALK\_ADVANCED\_GROUP\_VIDEOCALL) {  biz\_zcs\_vnc\_talk\_zimlet\_HandlerObject.\_vncChatApp = this.createApp(  this.getMessage("vnc\_video\_talk"),  "zimbra",  this.getMessage("vnc\_video\_talk")  );  } |

* Check subject when invite chat group.

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| + Apply \_validateInvitees fucntion.  + Change type of self.invitePeople to array  var invitees= jQuery('#jappix\_popup div.jm\_prompt form').find('#input\_invite\_people\_talk').val();  if (null != invitees) {  self.invitePeople = invitees.split(";");  } else {  self.invitePeople = [];  } |

* trim email of invite user list.

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| //Pushing all invitees list into array and validating them.  for(var x = 0;x<userList.length;x++){  var currentUser = userList[x].trim();  if(currentUser.indexOf('@') != -1){  ...  } |