**#19290** -<https://redmine.vnc.biz/issues/19290>

1. **Description**:

Validate user input in VNCtalk admin settings tab:

* [TextInput] "XMPP server URL" "e.g. [https://xmpp.example.com](https://xmpp.example.com/)"
* Check if the entered string is in the form $protocol://$domain or $protocol://$domain/path1/path2
* if existing, strip the last slash ("/") on the right side of the string
* if the user entered a port number, e.g. "https://xmpp.example.com:433, throw an error
* [NumericInput] "XMPP URL Port" "e.g. 443"
* check if the input is numeric only
* check if the number is between this ranges: 1-65535
* do not allow negative numbers
* [TextInput] "VirtualHost XMPP domain" "e.g. example.com. alice@example.com"
* check if the entered string is a valid domain
* throw an error is the domain contains invalid characters, like "@" or "/"
* [TextInput] "External User Server URL" "e.g. [https://external.example.com](https://external.example.com/)"
* Check if the entered string is in the form $protocol://$domain or $protocol://$domain/path1/path2
* if existing, strip the last slash ("/") on the right side of the string
* if the user entered a port number, e.g. "https://xmpp.example.com:433, throw an error
* [NumericInput] "External User URL Port" "e.g. 443"
* check if the input is numeric only
* check if the number is between this ranges: 1-65535
* do not allow negative numbers
* [TextInput] "XMPP Conference Domain" "e.g. conference.example.com"
* check if the entered string is a valid domain
* throw an error is the domain contains invalid characters, like "@" or "/"
* [TextInput] "VNCtalk Jitsimeet auth Domain" "e.g. auth.example.com"
* check if the entered string is a valid domain
* throw an error is the domain contains invalid characters, like "@" or "/"
* [TextInput] "VNCtalk Jitsimeet focus Domain" "e.g. foucs.example.com"
* check if the entered string is a valid domain
* throw an error is the domain contains invalid characters, like "@" or "/"
* [TextInput] "VNCtalk Videobridge Domain" "e.g. jitsi-videobridge.example.com"
* check if the entered string is a valid domain
* throw an error is the domain contains invalid characters, like "@" or "/"
* [PasswordField] "Authentication Token" "Enter a shared secret for the hybrid authentication mechanism"
* Check if the field is not empty
* [TextInput] "SIP Register" "e.g. sip.example.com:5060; 10.1.1.23"
* check if the entered string is a valid domain or valid IPv4 and IPv6 address
* [NumericInput] "SIP registar Port" "e.g. 5060"
* check if the input is numeric only
* check if the number is between this ranges: 1-65535
* do not allow negative numbers

1. **Analytic**
   1. **Root cause:**

Ravi have not validate all field input in VNCtalk admin settings tab,

Field SIP Register have not validate.

* 1. **Solution:**

Solution:

Add parameter SipExpr to check if the entered string is a valid domain or valid IPv4 and IPv6 address.

Ex: Valid SIP registar: sip.vnc.biz, sip.prosody-dev1.vnctalk.zimbra-vnc.de, 10.20.20.41, 2a00:1828:2000:1E:17:4::4

1. **Implement**

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| --- |
| ~/VNCtalk/vnc-zimlet-chat/src/biz\_vnc\_admin\_talk\_zimlet/src/ZaTalkZimletTabModel.js  …  **Add**:  SipExpr = /((^\s\*((([0-9]|[1-9][0-9]|1[0-9]{2}|2[0-4][0-9]|25[0-5])\.){3}([0-9]|[1-9][0-9]|1[0-9]{2}|2[0-4][0-9]|25[0-5]))\s\*$)|(^\s\*((([0-9A-Fa-f]{1,4}:){7}([0-9A-Fa-f]{1,4}|:))|(([0-9A-Fa-f]{1,4}:){6}(:[0-9A-Fa-f]{1,4}|((25[0-5]|2[0-4]\d|1\d\d|[1-9]?\d)(\.(25[0-5]|2[0-4]\d|1\d\d|[1-9]?\d)){3})|:))|(([0-9A-Fa-f]{1,4}:){5}(((:[0-9A-Fa-f]{1,4}){1,2})|:((25[0-5]|2[0-4]\d|1\d\d|[1-9]?\d)(\.(25[0-5]|2[0-4]\d|1\d\d|[1-9]?\d)){3})|:))|(([0-9A-Fa-f]{1,4}:){4}(((:[0-9A-Fa-f]{1,4}){1,3})|((:[0-9A-Fa-f]{1,4})?:((25[0-5]|2[0-4]\d|1\d\d|[1-9]?\d)(\.(25[0-5]|2[0-4]\d|1\d\d|[1-9]?\d)){3}))|:))|(([0-9A-Fa-f]{1,4}:){3}(((:[0-9A-Fa-f]{1,4}){1,4})|((:[0-9A-Fa-f]{1,4}){0,2}:((25[0-5]|2[0-4]\d|1\d\d|[1-9]?\d)(\.(25[0-5]|2[0-4]\d|1\d\d|[1-9]?\d)){3}))|:))|(([0-9A-Fa-f]{1,4}:){2}(((:[0-9A-Fa-f]{1,4}){1,5})|((:[0-9A-Fa-f]{1,4}){0,3}:((25[0-5]|2[0-4]\d|1\d\d|[1-9]?\d)(\.(25[0-5]|2[0-4]\d|1\d\d|[1-9]?\d)){3}))|:))|(([0-9A-Fa-f]{1,4}:){1}(((:[0-9A-Fa-f]{1,4}){1,6})|((:[0-9A-Fa-f]{1,4}){0,4}:((25[0-5]|2[0-4]\d|1\d\d|[1-9]?\d)(\.(25[0-5]|2[0-4]\d|1\d\d|[1-9]?\d)){3}))|:))|(:(((:[0-9A-Fa-f]{1,4}){1,7})|((:[0-9A-Fa-f]{1,4}){0,5}:((25[0-5]|2[0-4]\d|1\d\d|[1-9]?\d)(\.(25[0-5]|2[0-4]\d|1\d\d|[1-9]?\d)){3}))|:)))(%.+)?\s\*$))|(^\s\*((?=.{1,255}$)(?=.\*[A-Za-z].\*)[0-9A-Za-z](?:(?:[0-9A-Za-z]|\b-){0,61}[0-9A-Za-z])?(?:\.[0-9A-Za-z](?:(?:[0-9A-Za-z]|\b-){0,61}[0-9A-Za-z])?)\*)\s\*$)/;  if(!SipExpr.test(SIPRegister)){  ZaApp.getInstance().getCurrentController().popupMsgDialog(  AjxMessageFormat.format(  biz\_vnc\_admin\_talk\_zimlet.talk\_invalid\_sip\_register  )  );  return; } |
| ~/VNCtalk/vnc-zimlet-chat/src/biz\_vnc\_admin\_talk\_zimlet/biz\_vnc\_admin\_talk\_zimlet.properties  **Edit**  talk\_sip\_eg = (e.g.: sip.example.com ,10.1.1.42 , 2a00:1828:2000:1E:17:4::4)  **Add**  talk\_invalid\_sip\_register = Invalid SIP register domain. |
| ~/VNCtalk/vnc-zimlet-chat/src/biz\_vnc\_admin\_talk\_zimlet/biz\_vnc\_admin\_talk\_zimlet\_de.properties  **Edit**  talk\_sip\_eg = (z.B. : sip.example.com ,10.1.1.42 , 2a00:1828:2000:1E:17:4::4)  **Add**  talk\_invalid\_sip\_register = Ung\u00FCltiger SIP register domain. |

<https://redmine.vnc.biz/projects/vnc-zimlet-chat/repository/revisions/517dc3347223cfcb121af2a6a79d5a27731c83a0>