ZNC

Advanced IRC bouncer that is left connected so an IRC client can disconnect/reconnect without losing the chat session.

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ZNC Is an IRC network bouncer or BNC that is written in C++. It can detach the client from the actual IRC server and also from selected channels. Multiple clients from different locations can simultaneously connect to a single ZNC account and, therefore, appear under the same nickname on IRC. It has the following main features:

- SSL secured connections
- ZNC will remain connected to IRC even while you are offline
- Multiple users support
- Per Channel Playback Buffers
- Modules support

For more information, you can visit this link.

In this guide, you'll be setting up ZNC and adding your first Network. Listed are the goals of this tutorial:

- Your username for ZNC will be your service username and the password you set during the install procedure.
- Setting up global and network modules
- Adding your first IRC network
- Connecting your ZNC browser to your IRC client

Setting your first IRC Server to ZNC

- First, go to `Your Settings` from the right-hand side list of settings.
- Then, on the same page under **IRC Information** edit the following information listed according to your preferences.
  - Nickname
  - Alt. Nickname
  - Ident (Username)
  - Realname
  - Quit message
- This section will apply said information to all future networks.
  - You can also set different nicks, idents, and such per network.
- Once that's done, scroll down to the bottom and click **Save and Continue**
- To create your first ZNC Network (your IRC Network) by clicking Add under Your Settings -> Network
- Set a name. In this setup, we'll be connecting to Freenode. We'll name this first network `Freenode.`
  - If you have registered on this IRC network or you prefer another nick/ident for this Network, you may change so here.
- Uncheck `Connect to IRC & automatically re-connect.
- On `Servers of this IRC network`, click **Add**
- Then add the hostname and the port of the IRC network you're connecting with.
  - If you're registered, DO NOT put your server/NickServ password in the Password field
- Scroll down a bit and check the modules you need.
- Listed below are our recommended modules. Your choice of modules may vary, depending on your needs.
  - `crypt`
    - It encrypts channel/private messages
  - `keepnick`
    - This module keeps on trying to get your preferred nick
  - `kickrejoin`

- Automatically rejoin channels after being kicked
  - `modules_online`
    - Makes ZNC's *modules to be "online"
      - This is useful if you're using multiple IRC clients connected to ZNC
  - `route_replies`
    - It send replies (e.g. to /who) to the right client-only,
    - Prevents the client to excessively send /who requests
    - It is also useful if you're using multiple IRC clients
  - `sasl` or `nickserv`
    - This is where you'll put your IRC password

If you're using `sasl`, you'll put your IRC credentials under the Network modules of your Network.

You'll see this on either the left or right-hand side of the page (depending on the theme) after you have saved your config.

If you're using `nickserv`, input your IRC password on the textbox beside it

- `perform`
  - It executes your set commands after ZNC is successfully connected to the IRC network
- Click **save and continue** to save your changes.
- Now you'll notice a message on the top of the page saying, "To connect to this network from your IRC client, you can set the server password field as `admin/network_name: <znc_password>` or username field as `username/network_name`." Take note of that.

Connecting your IRC Client to ZNC

Hexchat

- Open hexchat and make sure that your Hexchat username the same as the one you set on ZNC
- Open Network List and click Add. Type any name you want and hit Enter.
- Highlight the Network you just made and Click Edit
- Click the text named `newserver/6667` and input there `{servername}-direct.usbx.me/+{ZNC_webui_port}`, inputting your server's hostname and the ZNC port shown on UCP. Please Note the plus sign `(+)` is required for SSL which is now a requirement at Ultra.cc
- Example of Server to add: `pollux-direct.usbx.me/+13112`
- Then check the following
  - Connect to this Network automatically
  - Use SSL for all the servers on this network
  - Accept invalid SSL certificates
- Uncheck Use global user information, and on the User name field, put in `username/network_name`, replacing `network_name` with the name you set in ZNC
- In login method, select Server password (/PASS password)
- On Password, input your set ZNC password.
- Check if everything is correct. Once confirmed, Click Close, highlight your new Network and click Connect
- You'll be connected to your ZNC browser if you'll see the message `Welcome to ZNC`

Initializing Connection from your ZNC bouncer to your IRC network

- In your IRC window, type in `/znc connect`.

- If configured correctly, you'll be greeted by your IRC network's Message of the Day.