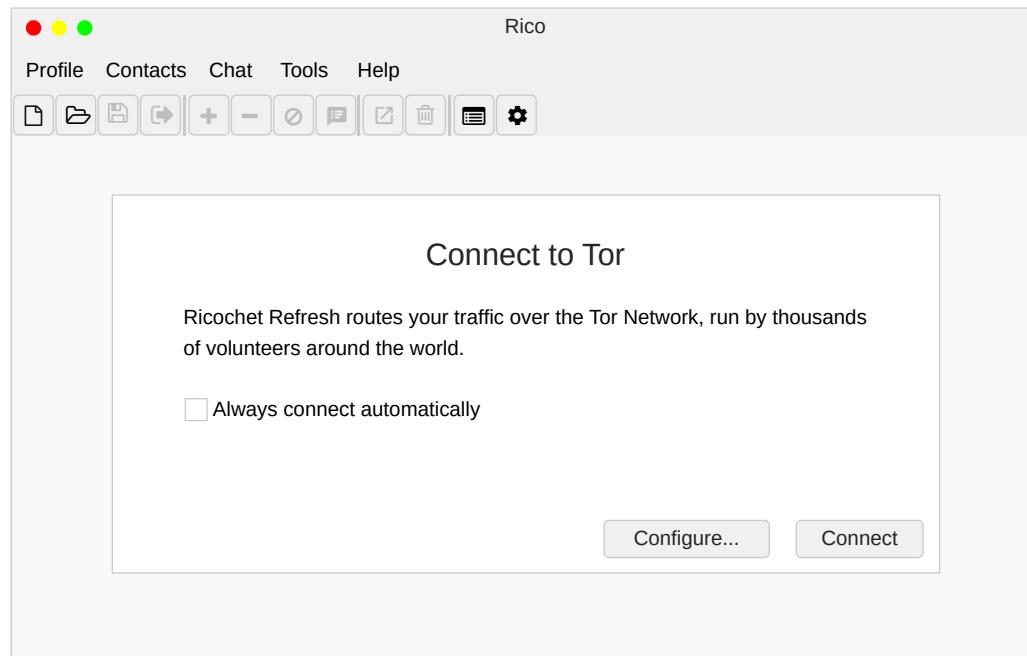


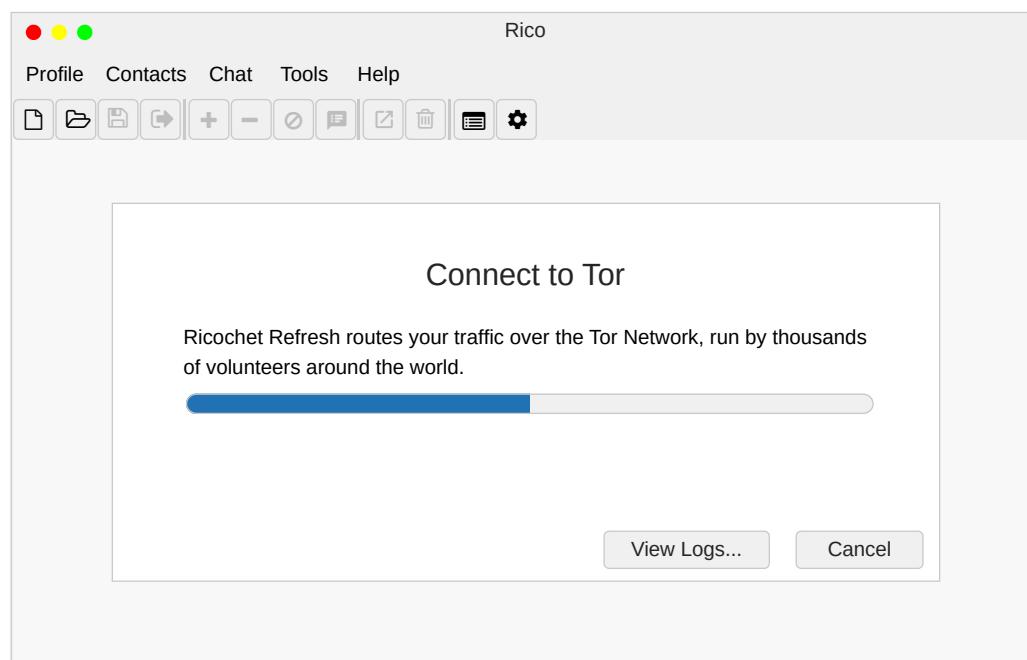
# Rico - Connect

Users first reach this screen on application launch. At this point, the application is not yet connected to the Tor Network. This screen will allow the user to connect and/or configure the application preferences (including connection settings).



Configure opens  
the Preferences  
dialog

Connect begins  
bootstrapping  
tor

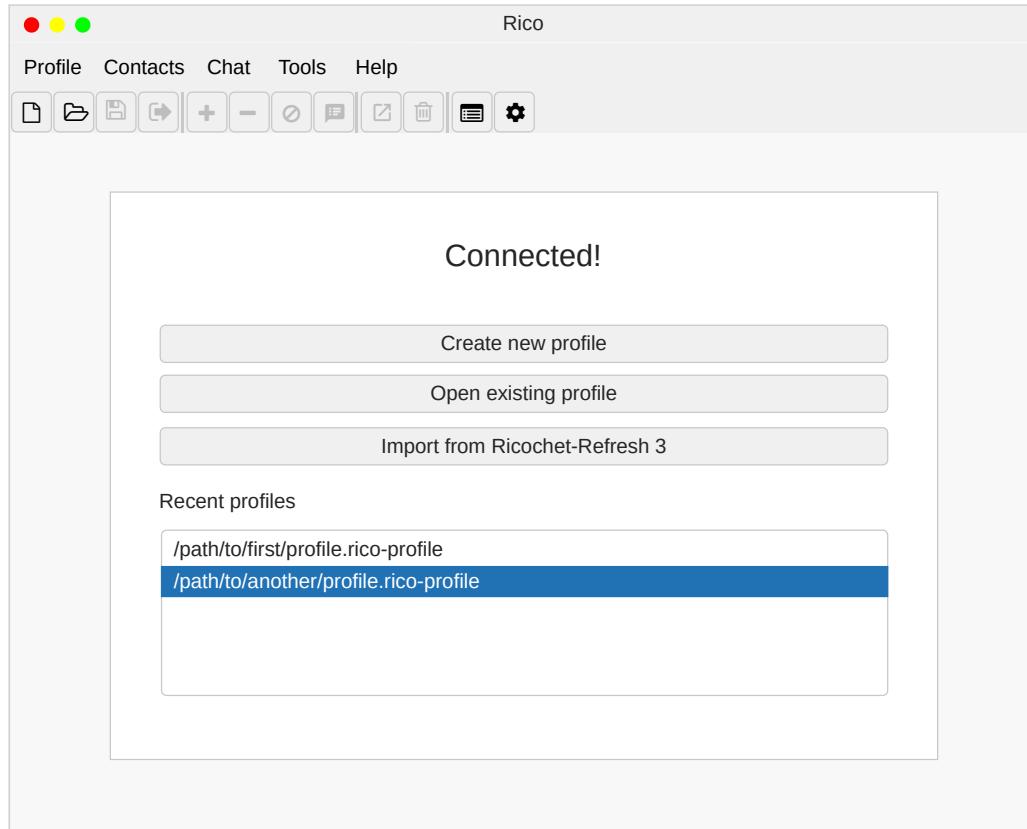


Open the Tor  
Logs dialog

Cancel current  
bootstrap attempt

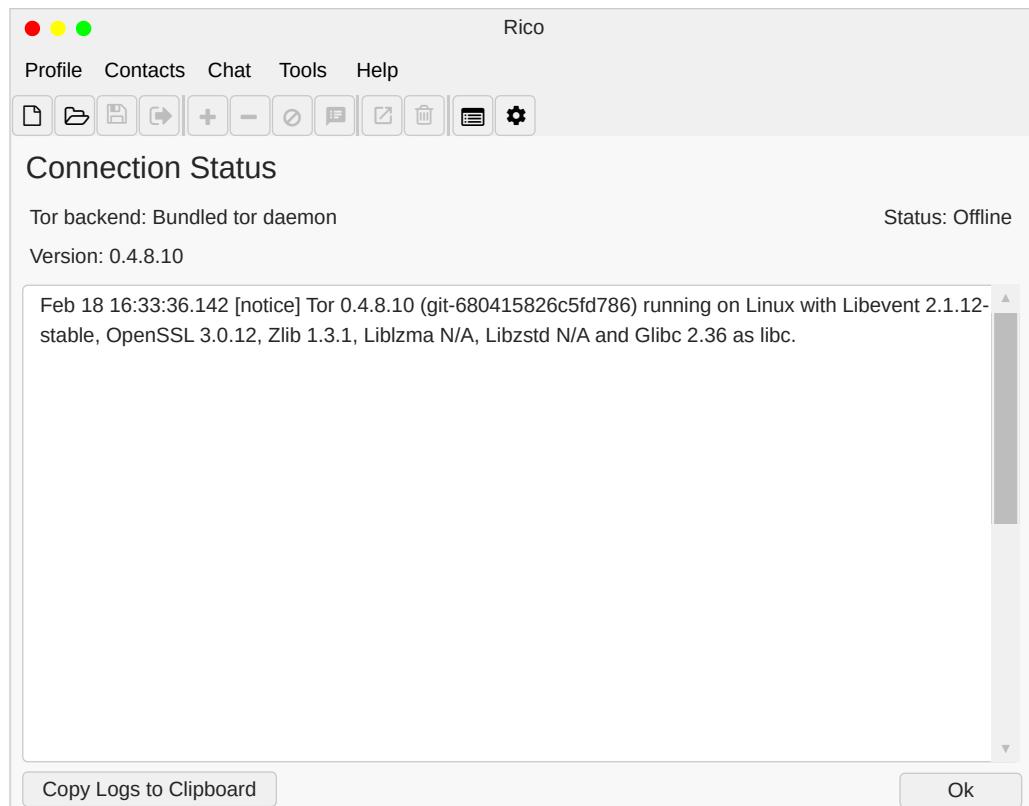
# Rico - Connected

User reaches this page after successfully connecting to the Tor Network



# Rico - Connection Status

Provide logs from the underlying Tor Provider. Some Tor Providers will not have logs to display (eg System Tor Daemon)



## Other possible backends:

- system tor daemon
- in-proc arti-client
- bundled arti daemon
- system tor daemon

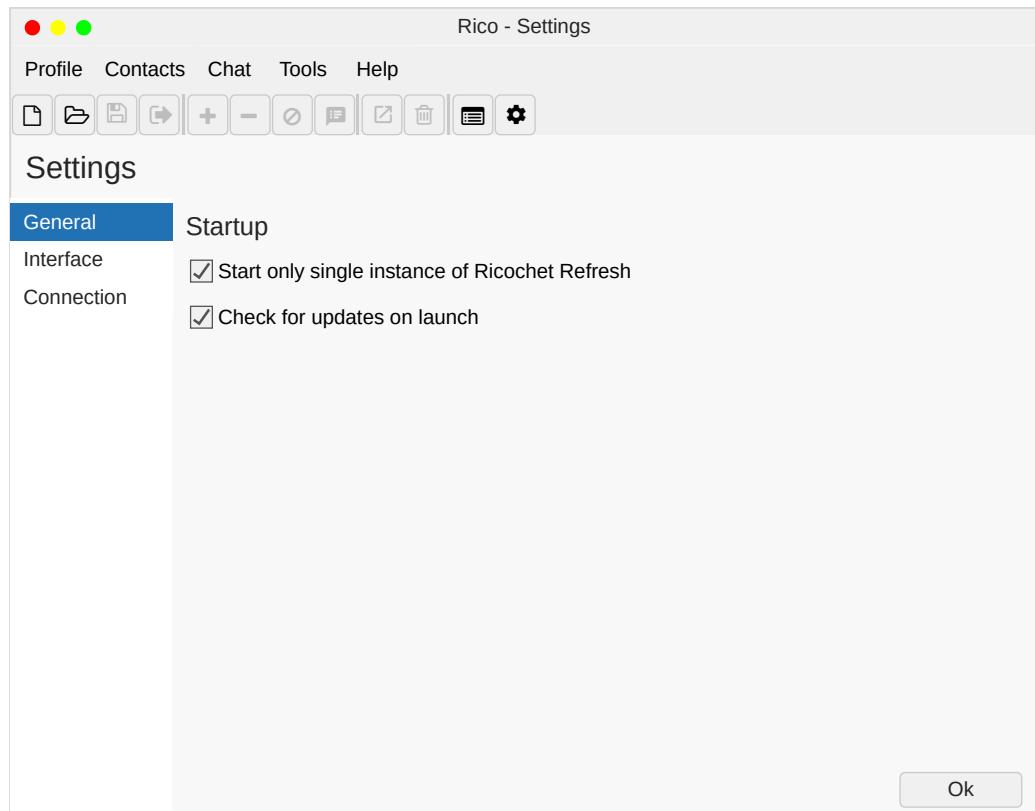
## Statuses:

- Offline
- Connecting
- Connected

# Rico - Settings (General)

The General section of the Preferences pane. Should enable configuring general application behaviour that are not specific to the other sections.

All options in this dialog must be safe to store unencrypted in the application config; no privacy or security related settings belong here! Those must be saved in the profile itself.



# Rico - Settings (Interface)

The Interface section provides users with UI customisation options

Rico - Settings

Profile Contacts Chat Tools Help

File Edit Undo Redo New Open Save Close Print Settings

## Settings

General Interface Connection

**Language**

Select interface language: English (en-US)

**Toolbars**

Show toolbar

Button style: Icon only

**Alerts**

Show desktop notifications

Blink taskbar icon

Enable audio notifications

**Window**

Minimize instead of exit

Show system tray icon

Minimize to system tray

Ok

Languages sorted by language code

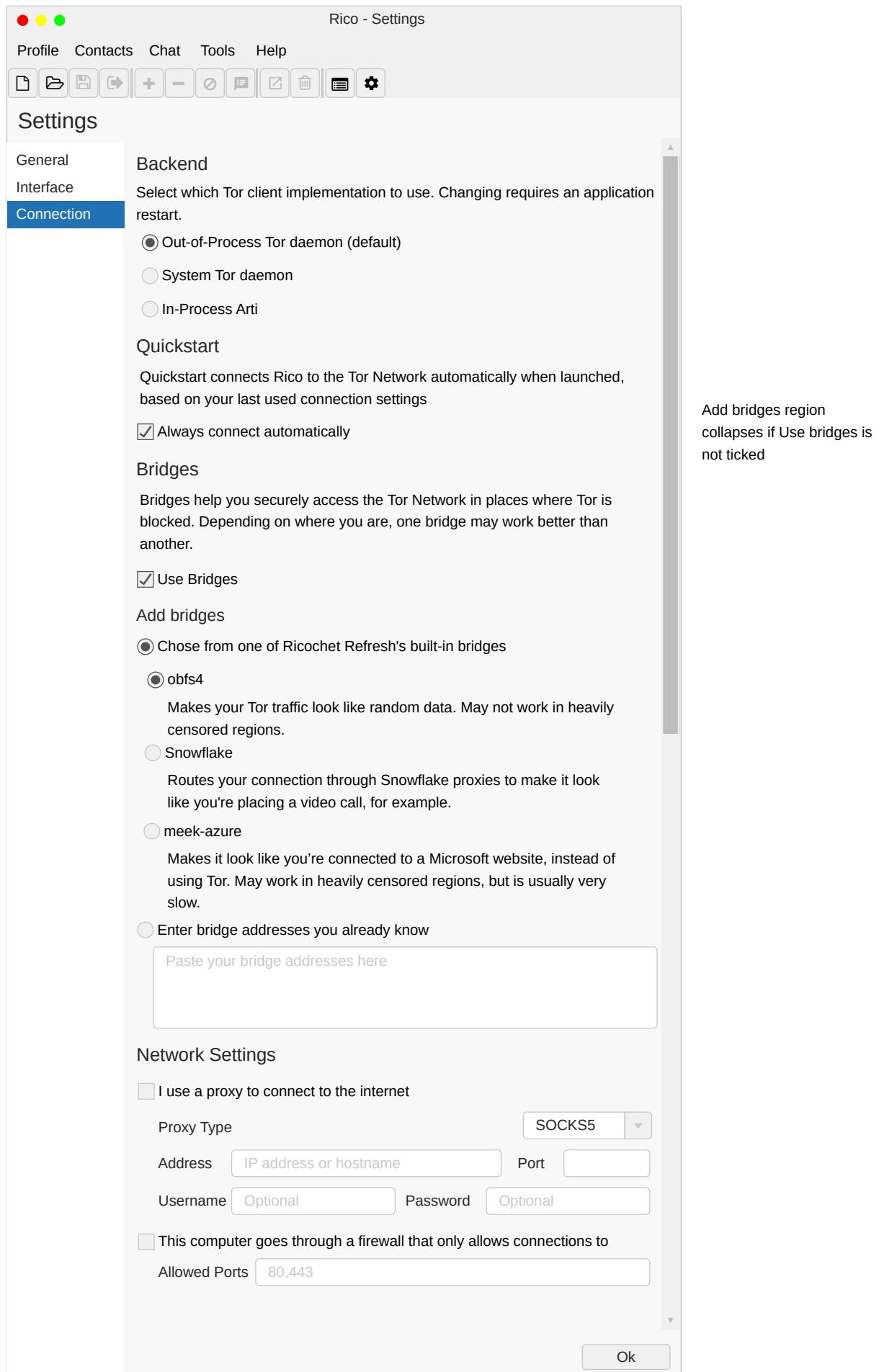
- Icon only
- Text only
- Text beside icon

NOTE: probably platform-specific

## Rico - Settings (Connection)

The Connection section provides users with Tor Provider related options. This page may vary a lot depending on which Tor Provider is selected. For instance, a System Tor Daemon Tor Provider (eg on Tails) would have this section almost entirely empty. For now let's have this mostly mirror about:preferences#connection in Tor Browser.

This entire section will be disabled if the user is already connected to the Tor Network



# Rico - Unlock Profile

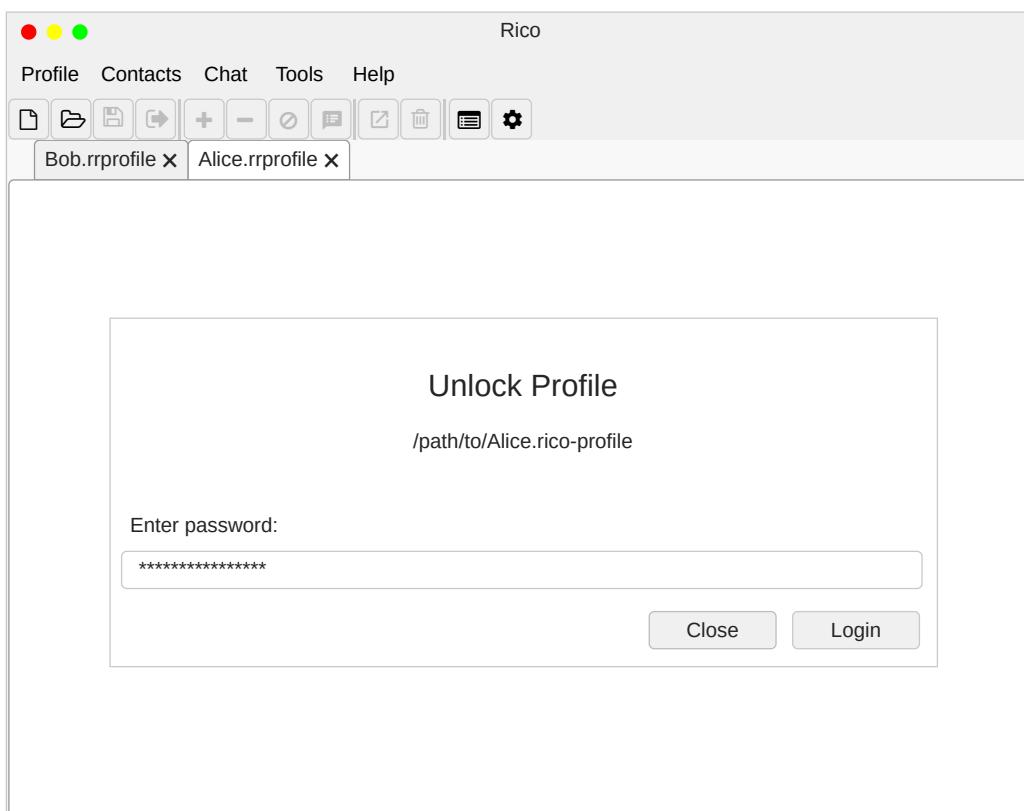
Users reach this window after connecting to the Tor Network and opening a profile. A password is required to decrypt a Rico profile. Obviously we draw a lot of inspiration here from KeyPassXC and friends.

## Menus

Profile:	Contacts:	Chat:	Tools:	Help:	
- New Profile	- Add Contact...	- Export Logs...	- Downloads...	- Manual	- Liceses menu option
- Open Profile...	- Delete Contact	- Delete Logs...	- Tor logs...	- Liceses...	should open a folder containing relevant licenses
- Save Profile As...	- Connect/Disconnect		- Preferences...	---	- Changelog menu option
- Edit Profile...	Contact			- Check for Updates...	opens CHANGELOG.txt in system default text editor
---	- Ban/Unban Contact			- Changelog...	
- Close Profile				- About	
- Logout					
---					
- Copy Ricochet Id					
- Set Visibility					
- Online					
- Restricted					
- Hidden					
---					
- Logout All					
- Quit					

## Toolbar Icons

New Profile, Open Profie, Save Profile As, Logout | Add Contact, Delete Contact, Ban Contact, Connect/Disconnect Contact | Export Logs, Delete Logs | Connection Status, Preferences

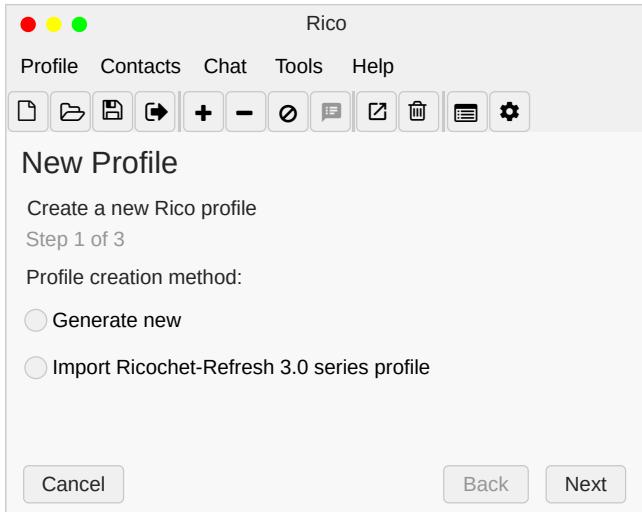


Users will always 'login' into the 'offline' state, they will opt-in to less private visibility states

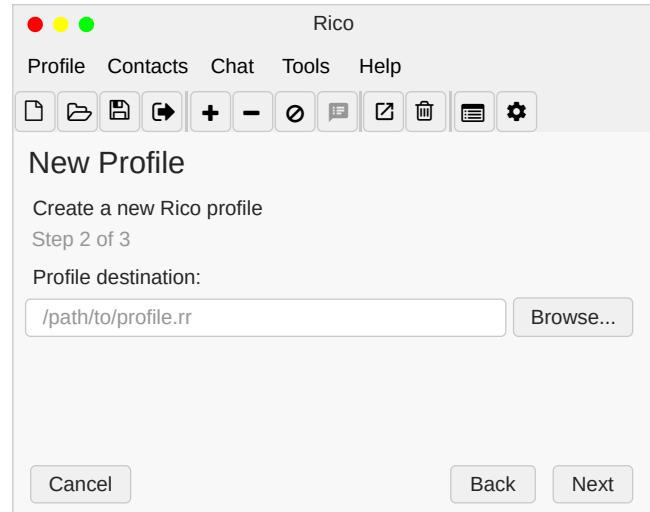
# Rico - New Profile

Accessed via New Profile button or New Profile... option in File menu. Walks the user through creating a new Rico profile.

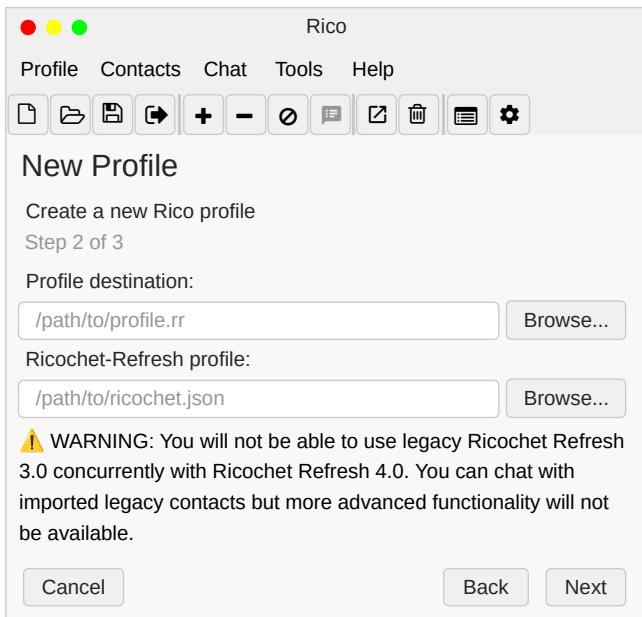
Start



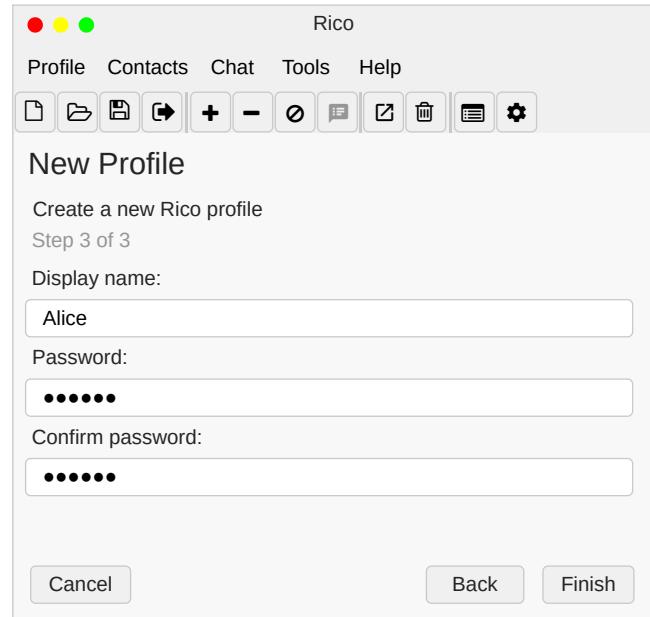
Generate New



Import Legacy



Credentials



TODO: Maybe we add a 4th screen with a summary along with the rico id.

Finish writes new profile to disk and focuses new profile tab in the main chat view

# Rico - Profile

Profile view/edit is necessarily part of a loaded profile, so it appears within a profile tab. The user can get the rico id associated with this profile here.

Rico

Profile Contacts Chat Tools Help

Bob.rrprofile X Alice.rrprofile X

**Profile**

Profile destination:  
/path/to/profile.rico-profile

Rico ID:  
rico:6l62fw7tqctlu5fesdqukvpoxezkaxbzllrafa2ve6ewuhzphxczsjyd

Display name (required): Name shown to your contacts

Pronouns (optional): Your preferred pronouns

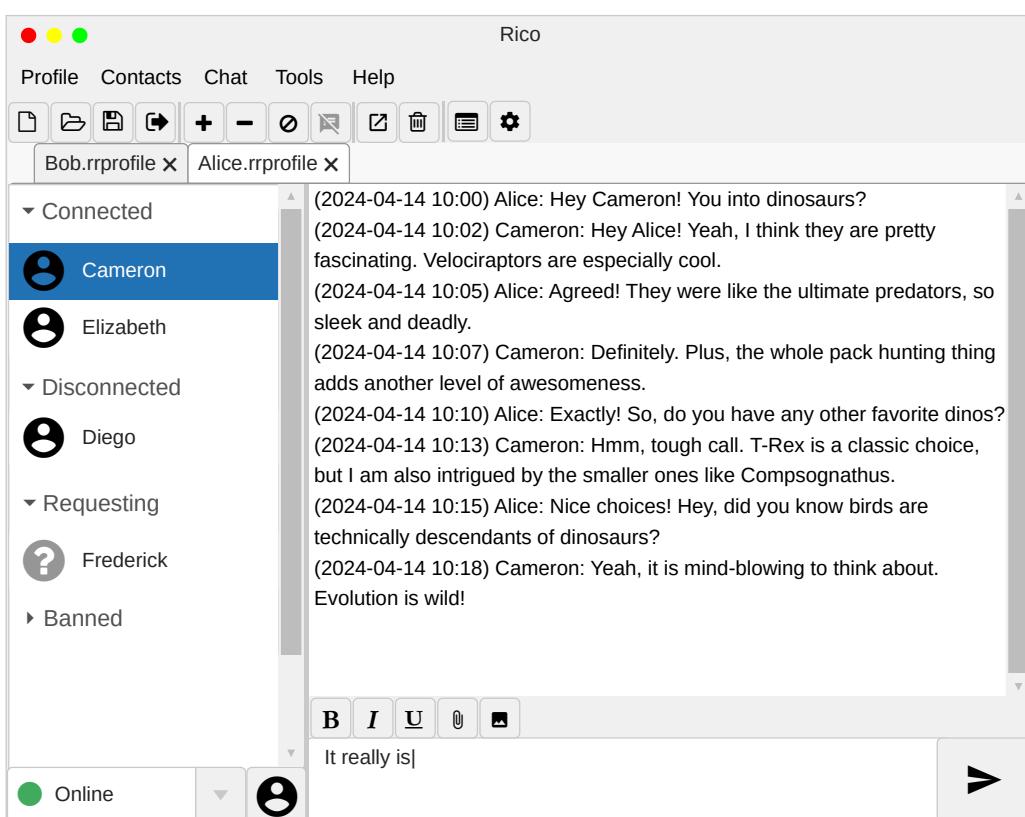
Avatar (optional):  
 Path to avatar image   
Image will be rescaled to 256 x 256 pixels

Description (optional):  
Text description displayed in your user profile  
1024 characters available

# Rico - Conversations (Online)

Profile tab when the user is logged in. In 'Online' mode identity and endpoint servers are enabled, anyone can cyberstalk the user if they know the user's Identity Server

Service ID



- Hide a conversation by clicking on a user entry again to unselect
- Per-contact context menu will have all the per-contact commands from the Contacts menu

User groups:

- Connected: users which have connected to our, or which we have connected to their endpoint server

- Connecting: users which we are explicitly attempting to connect to

- Disconnected: no active connection; offline to us

- Requesting: in-progress outgoing friend requests

- Banned: no endpoint server, actively blocking attempts when accessing our identity server

Visibility Modes:

- Online: identity and endpoint servers are enabled
- Restricted: endpoint servers are enabled
- Hidden: no endpoints enabled, but outgoing connections can occur
- Offline: no endpoints enabled, no outgoing connections either

NOTE: Online should really communicate most risk, users can be cyberstalked if they always stay in Online mode

Minor text formatting:

- Bold
- Italic
- Underline
- Add Attachment
- Inline-image

Profile button:

- Open an Edit Profile dialog where user can:
- get Ricochet id
  - set display name
  - set profile image
  - set profile info
  - w/e else metadata users opt into

Minor text formatting:

- Bold
  - Italic
  - Underline
  - Add Attachment
  - Inline-image
- NOTE:
- Attachments are sent as-is, but are not rendered/previewed by the application.
  - Inline-images will be somehow re-encoded to hopefully avoid malformed image decoder bugs/exploits

- URLs will never open a browser, only open a context menu with the option to copy the URL to clipboard - exported conversations should be standardised to avoid leaking user's locale re timestamps, any potential formatting options, etc - user status (connect/disconnect) messages will appear in chat

TODO: Chat  
Thumbnail and Image UI; images should have be optionally spoiler'd and have text descriptions

TODO: Incoming Friend Request flow

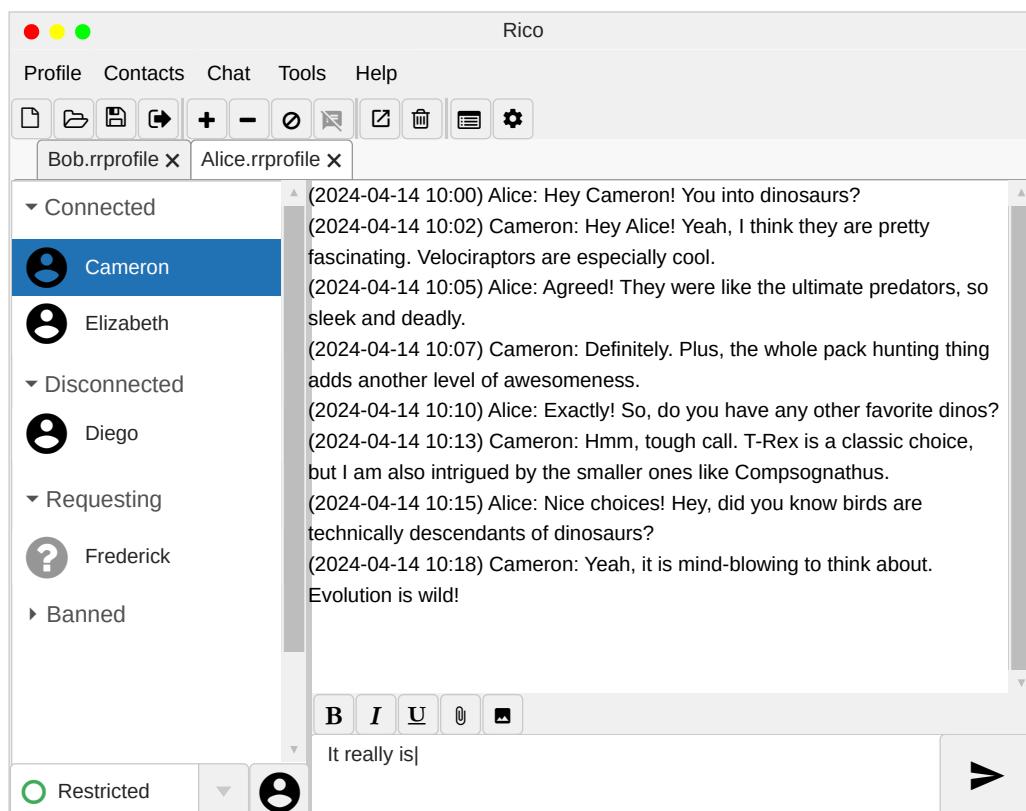
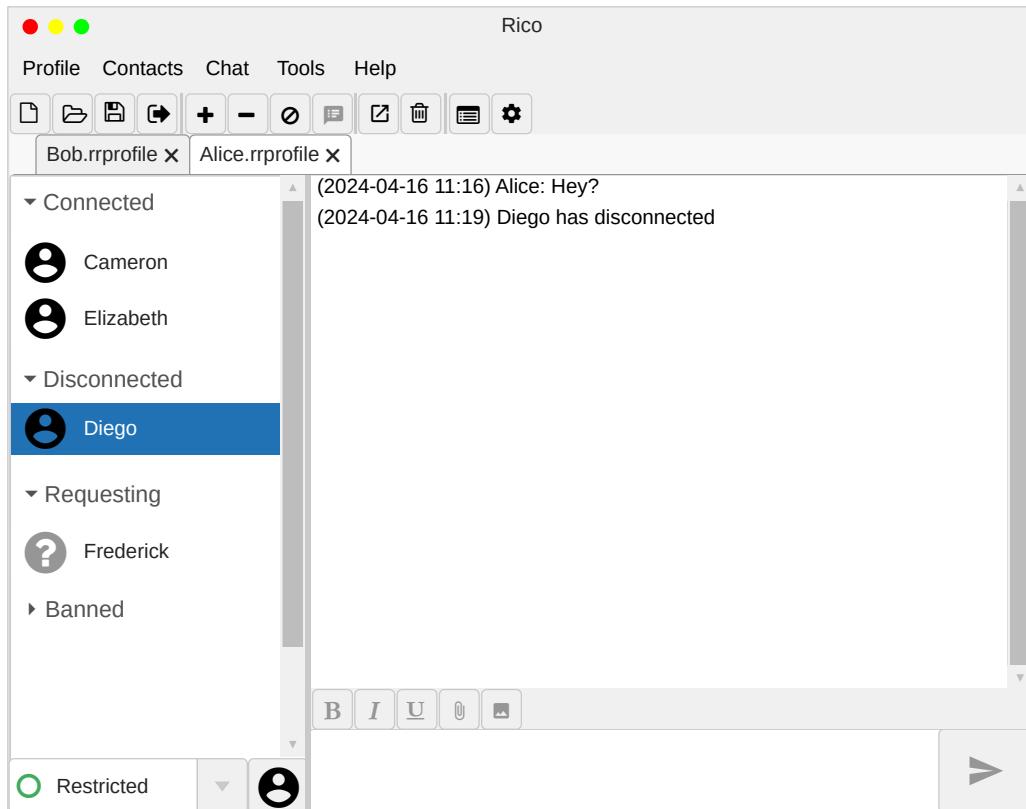
TODO: Status bar with: Onion Service status, reachability, service id

TODO: Smiley selector

TODO: Invite-only connectivity to identity server using client auth

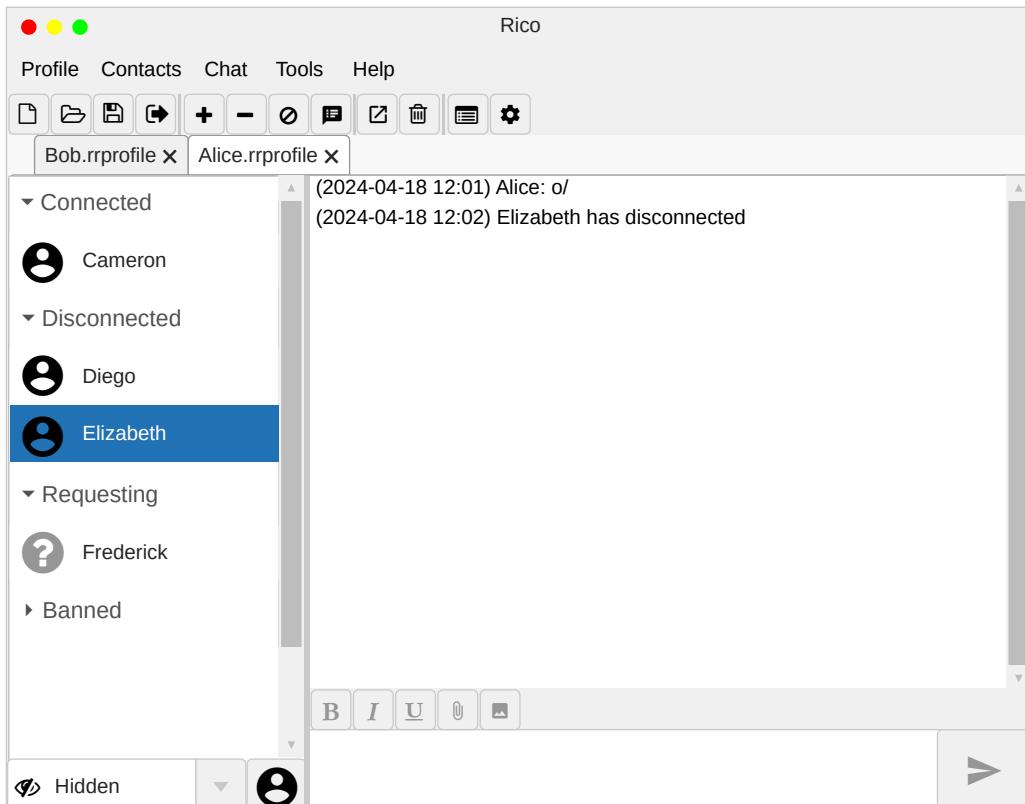
# Rico - Conversations (Restricted)

In 'Restricted' mode (identity server disabled, endpoint servers enabled) only confirmed/allowed contacts may contact us. New contacts will not be able to access the public identity server to get through the gosling handshake to get their own endpoint server. This way strangers will not be able to cyber-stalk a user based off of their (potentially) public identity server. The UX should be identical to Online mode, except the user will never receive new friend requests.



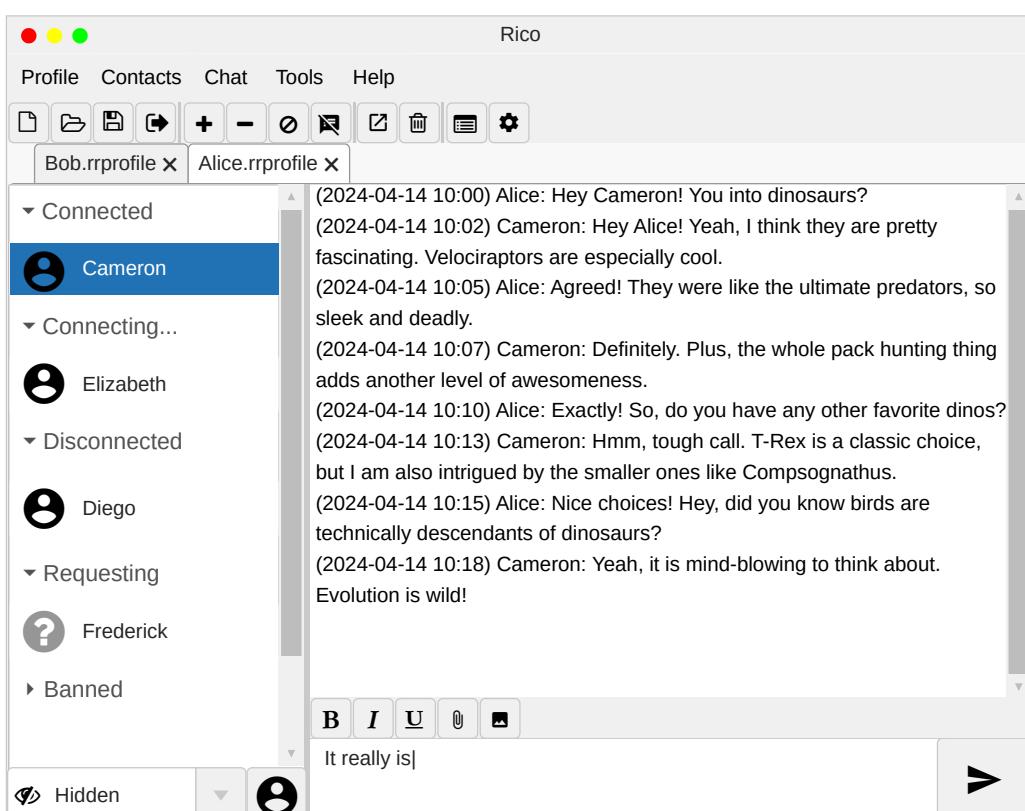
# Rico - Conversations (Hidden)

In 'Hidden' mode we do not enable any of our endpoint servers or identity servers, so even contacts do not gain our online/offline metadata. Connections are outgoing only and must be explicitly initiated by the user. This does imply that two users which are both in 'Hidden' mode will not be able to ever connect to each other!



- Chat input widgets are disabled if the user is not connected

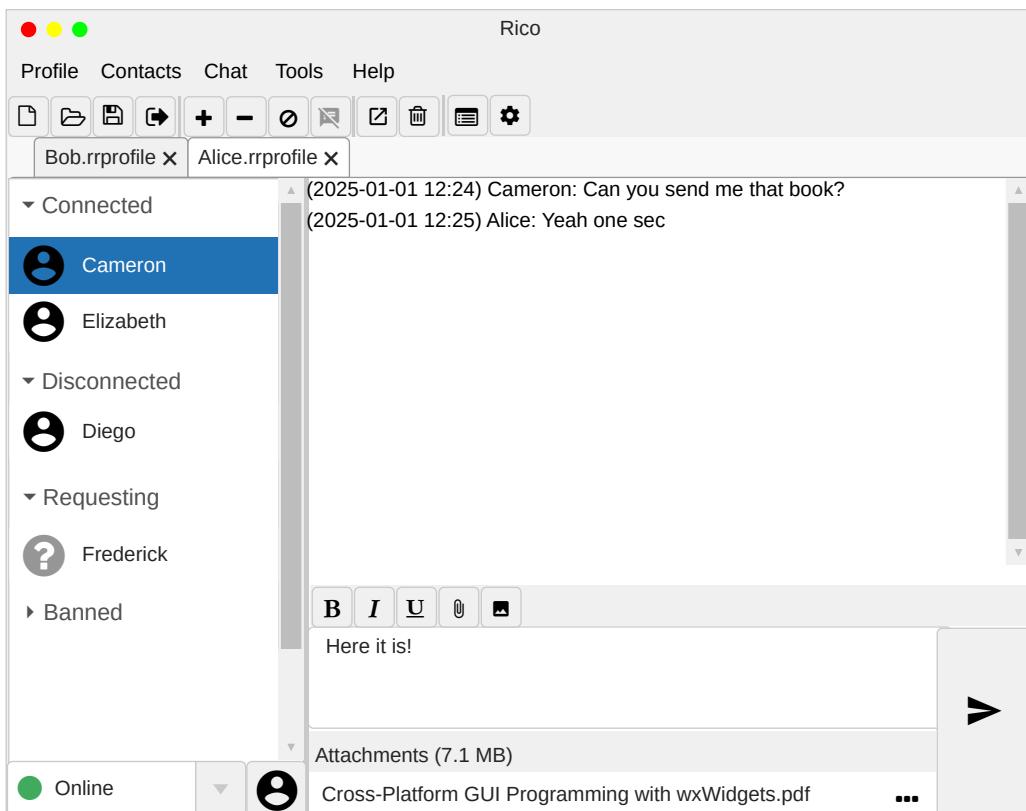
- User must opt-in to connecting to contacts when in Hidden mode using the chat icon in the toolbar or connect action in the contacts menu



- Contact goes into Connecting... group when connect is initiated
- Once a user reaches Connected, then chat can happen

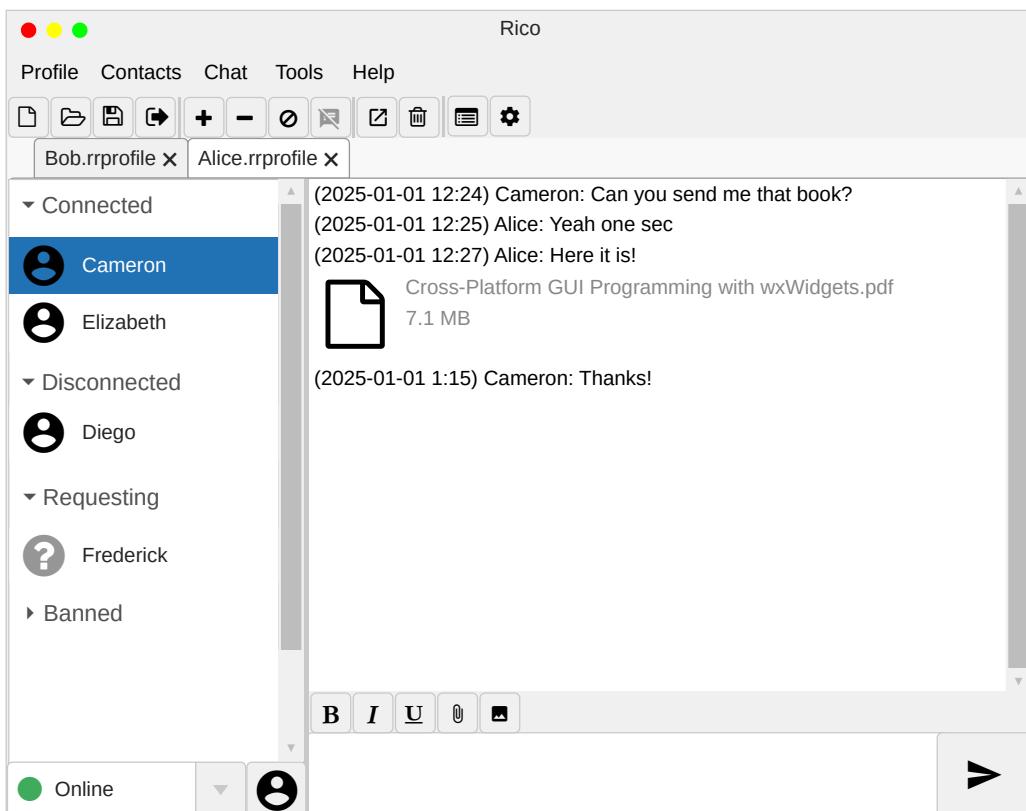
# Rico - Attachments

Attachments in general appear in-line with chat messages.



Attachment button opens file selection dialog; selected file added to Attachments section. Attachment message is sent like an ordinary message

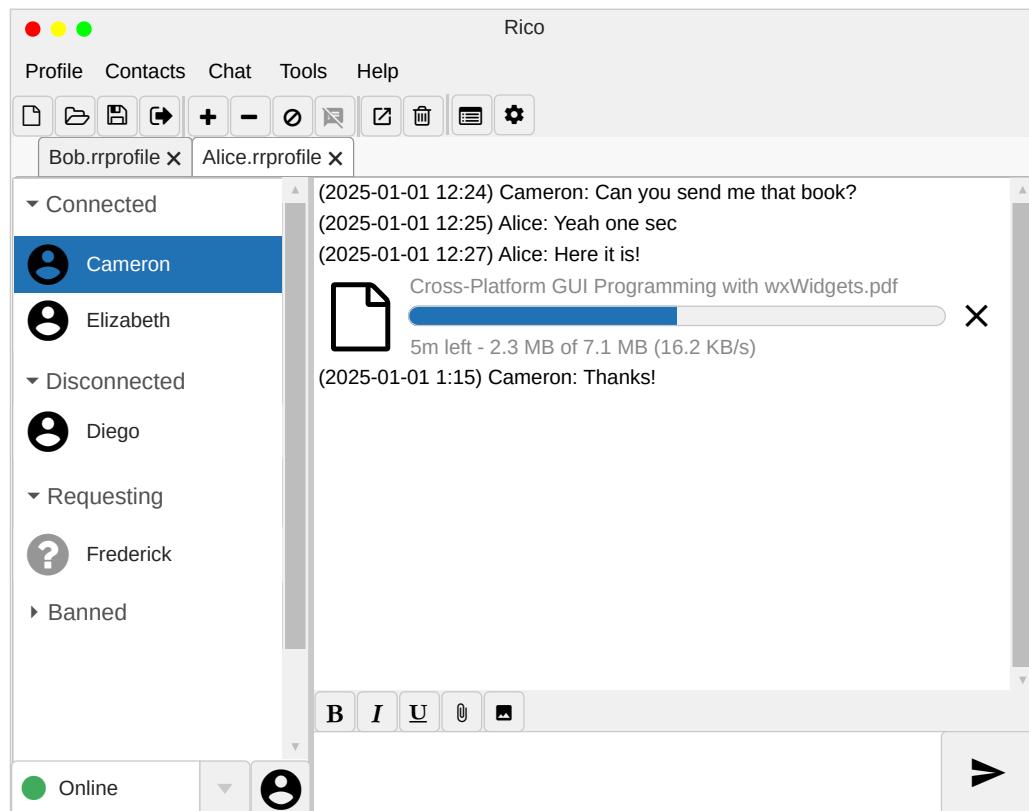
Per-attachment Meatball menu:  
- Remove  
- Open Folder



User initiates download by clicking on the attachment preview widget

# Rico - Attachments (continued)

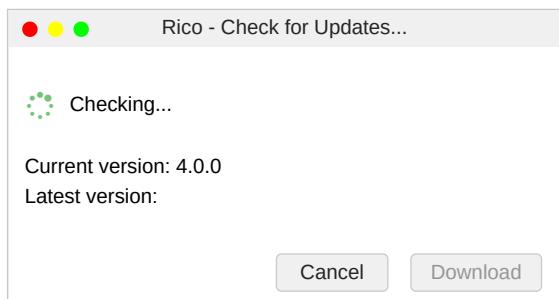
Attachments in general appear in-line with chat messages.



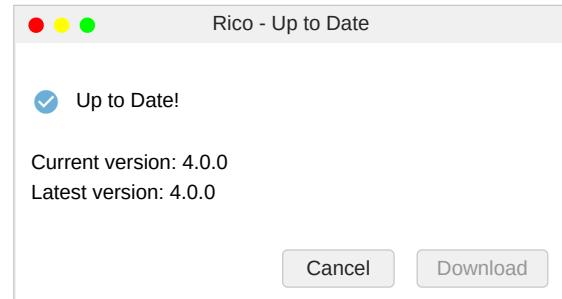
User initiates download by clicking on the attachment preview widget; on cancel widget goes back to original ready to download state

# Updates Dialog

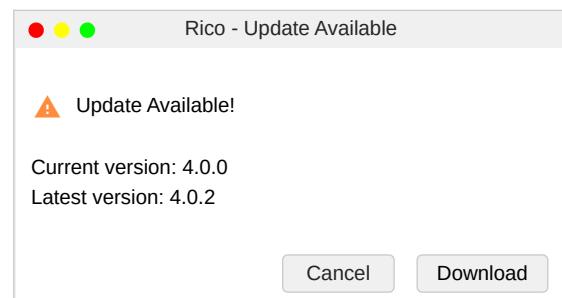
Accessed via the Help > Check for Updates... menu item. This will open a dialog which pings an onion service for update jsons, which will tell this dialog which install media/package to download.



- Check happens over Tor to Onion Service endpoint
- Will need some to maintain some update jsons



- Ricochet Refresh is up to date so we good



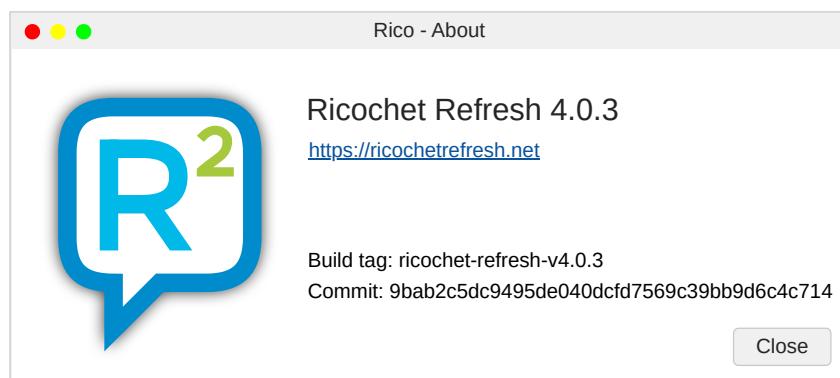
- Download the correct package based on the current installed version (eg a deb, appimage, dmg, windows installer, etc)

- Download button will open Downloads dialog

# About Dialog

Accessed via the Help > About menu item. Dialog should show simple version and build info

## Stable Channel



Like in chats, the URL will open a context menu allowing the user to copy the link to the clipboard

Ensure tag and commit labels are copy-able

[Close](#)

## Alpha Channel

