

## Blowfish Encryption

This is a recompile of [https://github.com/flakes/mirc\\_fish\\_10](https://github.com/flakes/mirc_fish_10) to make it work on 64 bit windows and to work with AdiIRC, source code is attached.

Since this is made to inject itself into the mIRC's underlying sockets and AdiIRC is a completely different program, all events must be scripted to use the fish functions from the dll, some events is already added in the attached script, feel free to add more as needed.

A proper plugin will probably be added at some point using the [AdiIRC API V2](#) instead of a script.

*Thanks to ParAd0x for creating this project.*

Compiled with OpenSSL-1.1.1h and OpenSSL-1\_0\_2o binaries from <http://slproweb.com/>

## How to install

Use blowfish64 on 64 bits version of AdiIRC, otherwise blowfish32 bits (type //echo -ag [\\$bits](#) to verify).

Step 1. Make sure the latest version of visual c++ is installed, it can be downloaded from here <https://support.microsoft.com/en-us/help/2977003/the-latest-supported-visual-c-downloads> (x86 for 32 bits AdiIRC, x64 for 64 bits AdiIRC)

Step 2. Download the attached blowfish64\_1.1.zip/blowfish32\_1.1.zip. (Check **Files** links at the bottom)

Step 3. Unpack blowfish64\_1.1.zip/blowfish32\_1.1.zip into [\\$adiircdir](#)\Scripts\

Step 4. Type //load -rs [\\$qt\(\\$adiircdir\Scripts\fish\\_10.ini\)](#) and say yes to the popup dialog, if any.

## Larger than 56 byte keys

To disable the max key length check and allow longer than 56 byte keys, run this command in the [Editbox](#):

```
//dll $qt($adiircdir\Scripts\fish_10.dll) INI_SetBool enforce_max_key_length 0
```

The option should be saved across sessions.

## Script Changes

10/16/2020

Thanks to maroon for the following changes:

Fixed incoming/outgoing messages should be treated as plain text in [/var](#).

Fixed outgoing messages using [/say](#) are not sent properly.

Fixed crypt mark should have a space between the mark and the message.

10/15/2020

Updated the mirc fish revision to [727aacb](#)

The OpenSSL 1.1.X version is now the default and recommended version.

Thanks to maroon for the following changes:

Fixed consecutive and leading spaces doesn't work.

Fixed when sending messages, the local [/echo](#) should use [\\$target](#).

Fixed larger than 56 bytes keys should show a error.

Fixed keys with spaces should be ignored and show a error.

01/18/2020

Fixed consecutive spaces should be allowed when sending encrypted messages.

Fixed "Crypt Mark" should be removed from incoming plain text messages.

Fixed outgoing messages should not embed the "Crypt Mark".

01/17/2020

Fixed "Crypt Mark" menu shows "Prefix" by default even though it's disabled.  
Fixed an issue with uneven parentheses in the fish script.

10/26/2019

Fixed 32 bit 1.1 openssl version was using the wrong dll.

10/06/2019

Added experimental builds using openssl v1.1.1d and the latest [fish\\_10 source](#).

11/23/2018

Fixed %blow\_ini path is wrong when running AdilRC from the program files folder.

04/28/2018

Fixed topic is not decrypted properly in some cases.

04/16/2018

Added the "Your/Own" color to own messages.  
Fixed your own messages should not trigger highlights.  
Fixed spaces in user prefix should be replaced by fake spaces so nick column works properly.

03/31/2018

Recompiled with openssl v1.0.2o.  
Updated the mirc fish revision to [93aa016](#).  
Fixed an issue where the dll was being unloaded and the keys were missing.

07/17/2017

Fixed script tried to decrypt plain text emotes if the channel had a key.

03/15/2017

Fixed 32 bit was not compiled correctly.

02/05/2017

Encryption/decryption rewritten to use parseline event.  
CBC support by default with fallback to ECB.  
Cleanup of menus.  
Added support for key exchange with mirccryption CBC style.  
Added configuration for CBC/ECB key per user/channel.

Thanks to ParAd0x for these changes.

08/28/2016

Fixed some path issues.

03/03/2016

Fixed decrypt topics for topicbox/channel editor.

02/05/2016

Added mcps support (thanks Fredro)  
Fixed empty key hack should retry the key (thanks Fredro)

10/17/2015

Updated the mirc fish revision to [306a9e](#)  
Updated openssl libraries to 1.0.2d.  
Fixed various brackets issues and bugs in the script.

Unicode characters should now work in the 1.9.9 AdilIRC beta.

03/10/2015

Fixed an issue with sending encrypted text on some networks.

02/11/2015

Added [\\$ctrlenter](#) check when typing /commands.

02/02/2015

Added topic decryption and /me decryption.

Added a hack for an issue where the ini file randomly is unloaded?

Added prefixnick and nickcolor support to the message output.

## Troubleshoot

If you see an error like "\$dll: no such file 'C:\Program Files\AdilIRC' (line 382, fish\_10.ini)" type `//load -rs $qt($adiircdir \Scripts\fish_10.ini)` and say yes to the popup dialog, if any.

## OpenSSL 1.1.X Files

[https://adiirc.com/blowfish/blowfish32\\_1.1.zip](https://adiirc.com/blowfish/blowfish32_1.1.zip)

[https://adiirc.com/blowfish/blowfish64\\_1.1.zip](https://adiirc.com/blowfish/blowfish64_1.1.zip)

[https://adiirc.com/blowfish/blowfish32\\_1.1\\_source.zip](https://adiirc.com/blowfish/blowfish32_1.1_source.zip)

[https://adiirc.com/blowfish/blowfish64\\_1.1\\_source.zip](https://adiirc.com/blowfish/blowfish64_1.1_source.zip)

## OpenSSL 1.0.X Files (Deprecated)

<https://adiirc.com/blowfish/blowfish32.zip>

<https://adiirc.com/blowfish/blowfish64.zip>

[https://adiirc.com/blowfish/blowfish32\\_source.zip](https://adiirc.com/blowfish/blowfish32_source.zip)

[https://adiirc.com/blowfish/blowfish64\\_source.zip](https://adiirc.com/blowfish/blowfish64_source.zip)