toxic_api Documentation

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CHAPTER 1

Toxic Scripting Interface

A Python scripting interface to Toxic.

Getting Started

Toxic is compiled with Python support by default. To access the scripting interface, simply import “toxic_api” in your script.

Scripts can be run by issuing “/run <path>” from toxic, or placing them in the “autorun_path” from your toxic configuration file.

CHAPTER 2

API Reference

Messages

display(*msg*)
Display a message to the user through the current window.

Parameters **msg** (*string*) – The message to display.

Return type none

send(*msg*)
Send a message to the user specified by the currently open conversation.

Parameters **msg** (*string*) – The message to display.

Return type none

State

get_nick()
Return the user's current nickname.

Return type string

get_status()
Return a string representing the user's current status. Can be either "online", "away", or "busy".

Return type string

get_status_message()
Return the user's current status message.

Return type string

get_all_friends()
Return a list of all the user's friends.

Return type list of (string, string) tuples containing the nickname followed by their public key

Commands

execute(*command*, *class*)

Executes the given command. The API exports three constants for the class parameter; GLOBAL_COMMAND, CHAT_COMMAND, and GROUPCHAT_COMMAND.

Parameters

- **command** (*string*) – The command to execute.
- **class** (*int*) – The class of the command.

Return type none

register(*command*, *help*, *callback*)

Register a callback to be executed whenever command is run. The callback function will be called with one argument, a list of arguments from when the user calls the command.

Parameters

- **command** (*string*) – The command to listen for.
- **help** (*string*) – A description of the command to be shown in the help menu.
- **callback** (*callable*) – The function to be called.

Return type none

CHAPTER 3

API Examples

Fortune

```
import toxic_api
import random

FORTUNES = [
    "A bug in the code is worth two in the documentation.",
    "A bug in the hand is better than one as yet undetected.",
    "\"A debugged program is one for which you have not yet found the "
    "conditions that make it fail.\" -- Jerry Ogdin"
]

def send_fortune(args):
    """Callback function that sends the contact of the current window a
    given number of random fortunes.
    """
    if len(args) != 1:
        toxic_api.display("Only one argument allowed!")
        return

    try:
        count = int(args[0])
    except ValueError:
        toxic_api.display("Argument must be a number!")
        return

    if count < 0 or count > 20:
        toxic_api.display("Argument is too large!")
        return

    name = toxic_api.get_nick()

    toxic_api.send("%s has decided to send you %d fortunes:" % (name, count))
```

```
    for _ in range(count):
        toxic_api.send(random.choice(FORTUNES))


toxic_api.register("/fortune", "Send a fortune to the contact of the current "
                   "window", send_fortune)
```

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