```python
"""
https://github.com/xp4xbox/Python-Backdoor

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"""

ERROR = -1
SUCCESS = 0

OK_SENDALL = 1  # used only in encrypted_socket.py

CLIENT_INFO = 2
CLIENT_HEARTBEAT = 3
CLIENT_EXIT = 4
CLIENT_ADD_STARTUP = 6
CLIENT_RMV_STARTUP = 7
CLIENT_SCREENSHOT = 8
CLIENT_UPLOAD_FILE = 9
CLIENT_DWNL_FILE = 10
CLIENT_LOCK = 11
CLIENT_SHUTDOWN = 12
CLIENT_RESTART = 13
CLIENT_SHELL = 14
CLIENT_PYTHON_INTERPRETER = 15
CLIENT_KEYLOG_START = 16
CLIENT_KEYLOG_STOP = 17
CLIENT_KEYLOG_DUMP = 18
CLIENT_RUN_CMD = 19
CLIENT_DISABLE_PROCESS = 20
SERVER_SHELL_DIR = 21
SERVER_SHELL_CMD = 22
SERVER_SHELL_LEAVE = 23
SERVER_COMMAND_RSP = 24
SERVER_PYTHON_INTERPRETER_CMD = 26
SERVER_PYTHON_INTERPRETER_LEAVE = 27
SERVER_PYTHON_INTERPRETER_RSP = 28
CLIENT_UPLOAD_FILE_PATH = 30
CLIENT_SHELLCODE = 31
CLIENT_ELEVATE = 32
CLIENT_PWD = 34
CLIENT_GET_VULN = 35
CLIENT_DWNL_DIR = 36
SERVER_UPLOAD_DIR = 37
SERVER_UPLOAD_DIR_DONE = 38
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```python
 73    # all menu arguments must be a single char
 74    MENU_HELP = "H"
 75    MENU_LIST_CONNECTIONS = "L"
 76    MENU_INTERACT = "I"
 77    MENU_OPEN_SHELL = "E"
 78    MENU_SEND_ALL_CMD = "S"
 79    MENU_CLOSE_CONNECTION = "C"
 80    MENU_CLOSE_ALL = "X"
 81    MENU_LIST_CONNECTIONS_INACTIVE = "inactive"
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 83    SERVER_MAIN_COMMAND_LIST = [{"arg": MENU_HELP, "info": "Help"},
 84                               {"arg": MENU_LIST_CONNECTIONS, "info": "List all
                                   connections",
 85                                "optional_arg2": f"({MENU_LIST_CONNECTIONS_INACTIVE})"},
 86                               {"arg": MENU_INTERACT, "info": "Interact with a
                                   connection", "arg2": "index"},
 87                               {"arg": MENU_OPEN_SHELL, "info": "Open remote shell with
                                   connection", "arg2": "index"},
 88                               {"arg": MENU_SEND_ALL_CMD, "info": "Send command to every
                                   connection", "arg2": "command"},
 89                               {"arg": MENU_CLOSE_CONNECTION, "info": "Close connection",
                                    "arg2": "index"},
 90                               {"arg": MENU_CLOSE_ALL, "info": "Close/clear all
                                   connections"}]
 91
 92    MENU_INTERACT_DWNL = "D"
 93    MENU_INTERACT_UPLOAD = "U"
 94    MENU_INTERACT_SCRN = "S"
 95    MENU_INTERACT_STARTUP = "P"
 96    MENU_INTERACT_INFO = "I"
 97    MENU_INTERACT_SHELL = "E"
 98    MENU_INTERACT_PYTHON = "Y"
 99    MENU_INTERACT_DISABLE_PROCESS = "T"
100    MENU_INTERACT_KEYLOG = "K"
101    MENU_INTERACT_LOCK = "L"
102    MENU_INTERACT_BACKGROUND = "B"
103    MENU_INTERACT_CLOSE = "C"
104    MENU_INTERACT_SHELLCODE = "J"
105    MENU_INTERACT_ELEVATE = "A"
106    MENU_INTERACT_PWD = "R"
107    MENU_INTERACT_VULN = "V"
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```

```python
139    # arg2 commands
140    MENU_INTERACT_KEYLOG_START = "start"
141    MENU_INTERACT_KEYLOG_STOP = "stop"
142    MENU_INTERACT_KEYLOG_DUMP = "dump"
143
144    MENU_INTERACT_STARTUP_ADD = "add"
145    MENU_INTERACT_STARTUP_RMV = "rmv"
146
147    MENU_INTERACT_DISABLE_PROCESS_POPUP = "fake_popup"
148
149    MENU_INTERACT_PWD_PASS = "password"
150
151    MENU_INTERACT_VULN_EXP_ONLY = "exploit-only"
152
153    MENU_INTERACT_DWNL_FILE = "file"
154    MENU_INTERACT_DWNL_DIR = "directory"
155
156    SERVER_INTERACT_COMMAND_LIST = [{"arg": MENU_HELP, "info": "Help"},
157                                    {"arg": MENU_INTERACT_SHELL, "info": "Open remote
                                     shell"},
158                                    {"arg": MENU_INTERACT_PYTHON, "info": "Open python
                                     interpreter"},
159                                    {"arg": MENU_INTERACT_DISABLE_PROCESS, "info":
                                     "Toggle disable process",
160                                     "arg2": "process_name", "optional_arg3": f"({
                                     MENU_INTERACT_DISABLE_PROCESS_POPUP})",
161                                     "platform": "windows"},
162                                    {"arg": MENU_INTERACT_SHELLCODE, "info": "Inject
                                     shellcode", "platform": "windows"},
163                                    {"arg": MENU_INTERACT_ELEVATE, "info": "Attempt to
                                     launch as admin", "platform": "windows",
164                                     "note": "using WinPwnage"},
165                                    {"arg": MENU_INTERACT_VULN, "info": "Find
                                     vulnerability(s)", "optional_arg2": f"({
                                     MENU_INTERACT_VULN_EXP_ONLY})"},
166                                    {"arg": MENU_INTERACT_PWD, "info": "Retrieve
                                     passwords", "optional_arg2": "password",
167                                     "note": "using LaZagne"},
168                                    {"arg": MENU_INTERACT_KEYLOG, "info": "Keylogger",
169                                     "arg2": f"({MENU_INTERACT_KEYLOG_START}) ({
                                     MENU_INTERACT_KEYLOG_STOP}) ({
                                     MENU_INTERACT_KEYLOG_DUMP})"},
170                                    {"arg": MENU_INTERACT_DWNL, "info": "Download", "arg2"
                                     : f"({MENU_INTERACT_DWNL_DIR}) ({
                                     MENU_INTERACT_DWNL_FILE})"},
171                                    {"arg": MENU_INTERACT_UPLOAD, "info": "Upload file"},
172                                    {"arg": MENU_INTERACT_SCRN, "info": "Take screenshot"
                                     },
173                                    {"arg": MENU_INTERACT_STARTUP, "info": "Add to
                                     startup",
174                                     "arg2": f"({MENU_INTERACT_STARTUP_ADD}) ({
                                     MENU_INTERACT_STARTUP_RMV})",
175                                     "platform": "windows"},
176                                    {"arg": MENU_INTERACT_INFO, "info": "View information"
                                     },
177                                    {"arg": MENU_INTERACT_LOCK, "info": "Lock computer",
                                     "platform": "windows"},
178                                    {"arg": MENU_INTERACT_BACKGROUND, "info": "Move
                                     connection to background"},
179                                    {"arg": MENU_CLOSE_CONNECTION, "info": "Close
                                     connection"}]
180    # arg2 commands
```