

Fake Logon Screen

CSEC471 - Tool Review - Mehul Sen

Description

Created by Arris Huijgen @bitsadmin

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Built using .NET framework which is installed by default in Windows 8, 8.1 and 10.

This tool takes advantage of the normal behavior of a Windows Lock Screen feature to phish out the victims password.

Two Executables

- **FakeLogonScreen.exe** – write output to console (used for remote execution)
- **FakeLogonScreenToFile.exe** – writes output to console as well as
%LocalAppData%\Microsoft\user.db

Installation and Execution

Developed by Charles Bennett and Gilles Brassard in 1984, it is the first quantum cryptography protocol and is provably secure. To maintain its security, it relies on two principles of quantum mechanics:

- Go to the github releases page for this tool: [bitsadmin/fake-logon-screen](https://github.com/bitsadmin/fake-logon-screen)
- Download fakelogonscreen_trunk.zip file (73.2 kb).
- Unzip the tool, to get the executables.

Note: Windows Defender flags the zip file because it detects `MSIL/Deismos.A!MTB`. So disabling Windows Defender or allowing the threat is required.

- The executable displays a lock screen when run, forcing the victim to enter the correct credentials to get access back to their machine.
- Validates the password against Active Directory or the local machine.
- The credentials are then saved locally or sent to a remote machine.

Note: Since the executable is not verified, Windows also shows a warning on running the executable locally.

Features

- Minimizes all other windows, and blackens any additional displays, showing only the lock screen, it also uses the 'Always On Top' setting so it cannot be moved to the background.
- In case of a custom background, it displays that background instead of the default one.
- Blocks many shortcut keys to prevent circumventing the screen.
- Validates the entered password before closing the screen.

Detection and Bypass

There are a couple ways, we can detect whether this executable is running or not.

- Internet, Ease of Access and Power Buttons are absent.



- The Reset Password initially does not show up, and even after repeated failed password logging attempts, "Sign-in options" is never present.
- Can be bypassed using **Ctrl + Alt + Delete** and then opening task manager.

