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Clutch

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Clutch is the first native cracking utility for iOS, created and actively maintained by dissident. It is based on the work of icefire's icecrack.

Contents

History

Clutch was intended to be fully integrated with Crackulous, but its purpose as a standalone utility remains. At the time of its release, and still to this day, Clutch is the fastest cracking utility available. However, it is not as easily customizable as

Clutch has always supported cracking fat binaries, but [poedCrackMod](#) was the first utility to support them.

ASLR

Apple added [ASLR](#) (Address Space Layout Randomization) support for iOS developers in iOS 4.3. Clutch was the first cracking utility to support ASLR.

Basics

Installation

Clutch can be obtained by adding **clutch.hackulo.us** to your Cydia sources and installing Clutch.

Usage

Clutch is used through the command line. Running it will produce a list of encrypted applications on your device:

```
dissypoo:~ root# clutch
usage: clutch [application name] [...]
Applications available: Solipskier Midnight Facebook battlebears1 Dismount
```

Clutch accepts arguments providing a list of applications that you want to crack.

```
dissypoo:~ root# clutch Midnight Facebook Solipskier
Cracking Midnight...
        /var/root/Documents/Cracked/MIdnight-v1.0-Dissident.ipa
Cracking Facebook...
        /var/root/Documents/Cracked/Facebook-v3220-Dissident.ipa
Cracking Solipskier...
        /var/root/Documents/Cracked/Solipskier-v1.1-Dissident.ipa
```

Running Clutch using `clutch --` will automatically crack all encrypted applications on the device. In addition, `clutch -v` can be used to view the version of Clutch that you have installed. The application list cache can be flushed using `clutch -f`

[Overdrive](#) is invoked by passing the `--overdrive` argument to Clutch. All subsequent applications listed are patched with Overdrive.

```
clutch Midnight --overdrive Facebook Dismount
```

The above command will crack the `Midnight` application *without* overdrive, and the `Facebook` and `Dismount` applications *with* overdrive.

Configuration

The following fields can be configured in the `/etc/clutch.conf` file.

Name	Value	Default
CreditFile	Set to "YES" if you want a credit file to be placed within the packaged [IPA](#). Set to	"NO"

CrackerName	Set to your cracker name.	""
CheckMetadata	Set to "YES" if you want to check the iTunesMetadata file for unknown fields. Set to "NO" if otherwise.	"YES"
RemoveMetadata	Set to "YES" if you want to remove the iTunesMetadata file from the final IPA. Set to "NO" if otherwise. This is a legacy feature, as iTunesMetadata files are generally unnecessary in cracked IPA files.	"YES"
ListWithDisplayName	Set to "YES" if you want to use the display name -- rather than the .app name -- when listing applications. Set to "NO" if otherwise.	"NO"
NumberBasedMenu	Set to "YES" if you want to use a numbered list of applications in the menu. Set to "NO" if otherwise.	"NO"
CheckMinOS	Set to "YES" if you want to check the MinOS field of the Info.plist file. This is a legacy feature, and is generally unnecessary. Set to "NO" if otherwise.	"NO"
VerboseLogging	Set to "YES" if you want to enable verbose logging in Clutch.	"NO"
ProgressBar	Set to "NO" if you want to disable the ANSI progress bar.	"YES"
MetadataEmail	Set to email address you want located within the iTunesMetadata.plist file (if RemoveMetadata is "NO")	"steve@rim.jobs"
MetadataPurchaseDate	Set to the date desired to be considered the purchase date of the application.	2011-08-26T19:12:18Z

Links

- Clutch thread on Hackulous

Retrieved from "http://hackulo.us/wiki/Clutch"

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