

Mac.BackDoor.Systemd.1

 vms.drweb.com/virus/



SHA1:

3cb1cfa072dbd28f02bd4a6162ba0a69f06f33f0

Trojan backdoor for macOS. Once launched, it sends the following string to the console:

```
This file is corrupted and cannot be opened
```

It is executed as a daemon called systemd. In order to conceal its file, the Trojan marks it with flags uchg, schg and hidden. It can use the following arguments for the launch:

argument	value
d	daemon
r	launch
u	update

Then the Trojan creates file with SH commands and a PLIST file in order to register itself in the autorun.

```
#!/bin/sh
. /etc/rc.common
StartService (){
    ConsoleMessage "Start system Service"
    "File path" d
}
StopService (){
    return 0
}
RestartService (){
    return 0
}
RunService "$1"
```

A file with the following content is created:

```
{
    Description      = "Start systemd";
    Provides         = ("system");
    Requires         = ("Network");
    OrderPreference = "None";
}
```

Also a PLIST file is created:

```

<?xml version="1.0" encoding="UTF-8"?>
<!DOCTYPE plist PUBLIC "-//Apple//DTD PLIST 1.0//EN"
"http://www.apple.com/DTDs/PropertyList-1.0.dtd">
  <plist version="1.0">
    <dict>
      <key>Disabled</key>
      <false/>
      <key>UserName</key>
      <string>root</string>
      <key>Label</key>
      <string>
com.appule.sysetmd
</string>
      <key>KeepAlive</key>
      <dict>
        <key>NetworkState</key>
        <true/>
      </dict>
      <key>ProgramArguments</key>
      <array>
        <string>
File path
</string>
        <string>d</string>
      </array>
      <key>RunAtLoad</key>
      <true/>
      <key>StartInterval</key>
      <integer>5</integer>
    </dict>
  </plist>

```

The Trojan stores configuration information in its own file and encrypts it with the 3DES algorithm. Example of the decrypted configuration is as follows:

command	Parameter	Value
0x200	file manager	execute commands of the file manager
	1 - list dir (ls -la *)	receive a list of the contents of a specified directory
	2 - read file	read a file
	3 - write file	write to a file, it also can write data to a file for an update
	4 - list file (ls -la file)	get the contents of a file
	5 - chmod/chown/rename	execute CHMOD, CHOWN and RENAME commands
	6 - delete file	delete a file
	7 - mkdir	create a directory
0x300		execute a command in the bash shell
0x400		update the Trojan
0x500		reinstall the Trojan
0x800		change the command and control server's IP address
0x900		install a plug-in

[News about the Trojan](#)