



ID: 516930 Sample Name: dngqoAXyDd.exe Cookbook: default.jbs

Time: 15:02:51 Date: 06/11/2021

Version: 34.0.0 Boulder Opal

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Windows Analysis Report dngqoAXyDd.exe

Overview

General Information



Detection



Signatures



Classification



Process Tree

- System is w10x64
- I dngqoAXyDd.exe (PID: 4872 cmdline: "C:\Users\user\Desktop\dngqoAXyDd.exe" MD5: 0AFBB383C5CEA9F11202D572141BB0F4)
 - wermgr.exe (PID: 5784 cmdline: C:\Windows\system32\wermgr.exe MD5: FF214585BF10206E21EA8EBA202FACFD)
- Em. cmd.exe (PID: 6396 cmdline: C:\Windows\system32\cmd.exe MD5: 4E2ACF4F8A396486AB4268C94A6A245F)
- cleanup

Malware Configuration

Threatname: Trickbot

```
"ver": "100019",
"gtag": "top147",
"servs": [
  "65.152.201.203:443",
  "185.56.175.122:443",
  "46.99.175.217:443",
  "179.189.229.254:443",
  "46.99.175.149:443",
  "181, 129, 167, 82:443"
  "216 166 148 187:443"
  "46.99.188.223:443",
  "128.201.76.252:443"
  "62.99.79.77:443",
  "60.51.47.65:443"
  "24.162.214.166:443",
  "45.36.99.184:443",
  "97.83.40.67:443",
  "184.74.99.214:443",
  "103.105.254.17:443",
  "62.99.76.213:443".
  "82.159.149.52:443"
"autorun": [
  "pwgrabb"
  "pwgrabc"
"ecc_key": "RUNTMzAAAABbfmkJRvwyw7iFkX40hL2HwsUeOSZZZo0FRRWGKY6J1+gf3YKq13Ee4sY3Jb9/0myCr0MwzNK1K2lSyuY87nW29Q/yjMJG0ISDj0HNBC3G+ZGta60i9QkjCwnNGbw2hQ4="
```

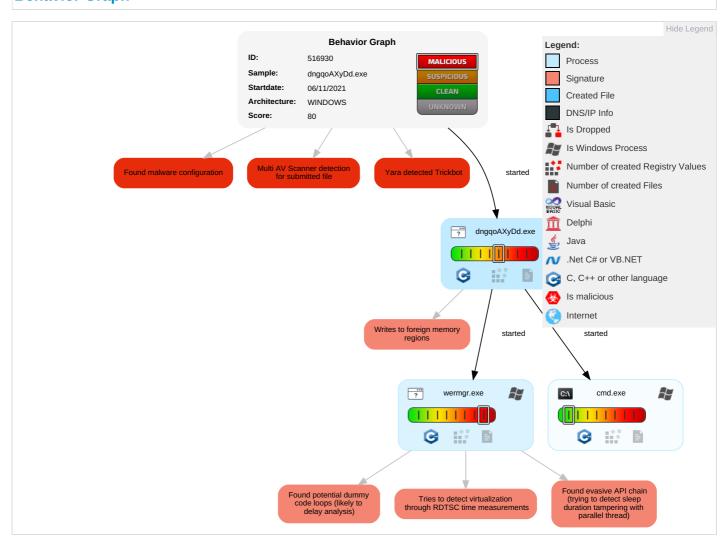
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Yara Overview Memory Dumps Source Rule Author Strings Description 00000000.00000002.374239555.0000000000B3 JoeSecurity_TrickBot_4 Yara detected Joe Security 1000.00000040.0000001.sdmp Trickbot **Sigma Overview** No Sigma rule has matched **Jbx Signature Overview** Click to jump to signature section **AV Detection:** Found malware configuration Multi AV Scanner detection for submitted file Malware Analysis System Evasion: Tries to detect virtualization through RDTSC time measurements Found evasive API chain (trying to detect sleep duration tampering with parallel thread) Anti Debugging: Found potential dummy code loops (likely to delay analysis) HIPS / PFW / Operating System Protection Evasion: Writes to foreign memory regions Stealing of Sensitive Information: Yara detected Trickbot **Remote Access Functionality:** Yara detected Trickbot Mitre Att&ck Matrix Initial Privilege Credential Lateral Command Network Access **Execution Persistence Escalation Defense Evasion** Access Discovery Movement Collection Exfiltration and Control Effects

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Initial Access	Execution	Persistence	Privilege Escalation	Defense Evasion	Credential Access	Discovery	Lateral Movement	Collection	Exfiltration	Command and Control	Network Effects
Valid Accounts	Native API 1 1	Path Interception	Access Token Manipulation 1	Disable or Modify Tools 1	Input Capture 1	System Time Discovery 1	Remote Services	Input Capture 1	Exfiltration Over Other Network Medium	Encrypted Channel 1	Eavesdrop on Insecure Network Communication
Default Accounts	Scheduled Task/Job	Boot or Logon Initialization Scripts	Process Injection 1 1 2	Virtualization/Sandbox Evasion 1 1 1	LSASS Memory	Security Software Discovery 2 2 1	Remote Desktop Protocol	Archive Collected Data 1	Exfiltration Over Bluetooth	Junk Data	Exploit SS7 to Redirect Phone Calls/SMS
Domain Accounts	At (Linux)	Logon Script (Windows)	Logon Script (Windows)	Access Token Manipulation 1	Security Account Manager	Virtualization/Sandbox Evasion 1 1 1	SMB/Windows Admin Shares		Automated Exfiltration	Steganography	Exploit SS7 to Track Device Location
Local Accounts	At (Windows)	Logon Script (Mac)	Logon Script (Mac)	Process Injection 1 1 2	NTDS	Process Discovery 2	Distributed Component Object Model	Input Capture	Scheduled Transfer	Protocol Impersonation	SIM Card Swap
Cloud Accounts	Cron	Network Logon Script	Network Logon Script	Deobfuscate/Decode Files or Information 1	LSA Secrets	System Network Configuration Discovery 1	SSH	Keylogging	Data Transfer Size Limits	Fallback Channels	Manipulate Device Communication
Replication Through Removable Media	Launchd	Rc.common	Rc.common	Obfuscated Files or Information 3	Cached Domain Credentials	System Information Discovery 1 2 3	VNC	GUI Input Capture	Exfiltration Over C2 Channel	Multiband Communication	Jamming or Denial of Service

Behavior Graph



Screenshots

Thumbnails

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This section contains all screenshots as thumbnails, including those not shown in the slideshow.







Antivirus, Machine Learning and Genetic Malware Detection

Initial Sample					
Source	Detection	Scanner	Label	Link	
dngqoAXyDd.exe	29%	ReversingLabs	Win32.Trojan.Trickpak		
Dropped Files					
No Antivirus matches					
Unpacked PE Files					
No Antivirus matches					
Domains					

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No Antivirus matches

URLs

No Antivirus matches

Domains and IPs

Contacted Domains

No contacted domains info

Contacted IPs

No contacted IP infos

General Information

Joe Sandbox Version:	34.0.0 Boulder Opal
Analysis ID:	516930
Start date:	06.11.2021
Start time:	15:02:51
Joe Sandbox Product:	CloudBasic
Overall analysis duration:	0h 6m 52s
Hypervisor based Inspection enabled:	false
Report type:	light
Sample file name:	dngqoAXyDd.exe
Cookbook file name:	default.jbs
Analysis system description:	Windows 10 64 bit v1803 with Office Professional Plus 2016, Chrome 85, IE 11, Adobe Reader DC 19, Java 8 Update 211
Number of analysed new started processes analysed:	21
Number of new started drivers analysed:	0
Number of existing processes analysed:	0
Number of existing drivers analysed:	0
Number of injected processes analysed:	0
Technologies:	 HCA enabled EGA enabled HDC enabled AMSI enabled
Analysis Mode:	default
Analysis stop reason:	Timeout
Detection:	MAL
Classification:	mal80.troj.evad.winEXE@5/0@0/0
EGA Information:	Failed
HDC Information:	 Successful, ratio: 18.1% (good quality ratio 16.9%) Quality average: 83.1% Quality standard deviation: 28.2%
HCA Information:	 Successful, ratio: 67% Number of executed functions: 0 Number of non-executed functions: 0
Cookbook Comments:	 Adjust boot time Enable AMSI Found application associated with file extension: .exe
Warnings:	Show All

Simulations

Behavior and APIs

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Time	Туре	Description
15:04:04	API Interceptor	1x Sleep call for process: dngqoAXyDd.exe modified
15:04:04	API Interceptor	1x Sleep call for process: wermgr.exe modified

Joe Sandbox View / Context

IPs

No context

Domains

No context

ASN

No context

JA3 Fingerprints

No context

Dropped Files

No context

Created / dropped Files

No created / dropped files found

Static File Info

General	
File type:	PE32 executable (GUI) Intel 80386, for MS Windows
Entropy (8bit):	6.167416806599989
TriD:	 Win32 Executable (generic) a (10002005/4) 99.96% Generic Win/DOS Executable (2004/3) 0.02% DOS Executable Generic (2002/1) 0.02% Autodesk FLIC Image File (extensions: flc, fli, cel) (7/3) 0.00%
File name:	dngqoAXyDd.exe
File size:	652800
MD5:	0afbb383c5cea9f11202d572141bb0f4
SHA1:	148266112b25087f10ac1124ea32630e48fb0bd9
SHA256:	6a910ec8055b3844e3dd14c7af08a68110abc9395a88ab 9199e69ed07be27210
SHA512:	702447b6e1313224d4c8084f716d8d838090c7bd9fb355i c6ab4553ce3676bb5fe1c2ebde61e4ed8b7bb6d3d7f1dfd 11c434e5e0f9b7baa2511a12fd1c501880
SSDEEP:	12288:AjX3XdmePk2BSPkno2voTFa24aZZTUQxlpTLY 0E5pM:2HXgASPMNvoTFFjT8tLYNH
File Content Preview:	MZ@!.L!Th is program cannot be run in DOS mode\$1uuub& r#'.GtutRichuPE.L(.a

File Icon

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Icon Hash:	000000000000000

Static PE Info

General	
Entrypoint:	0x40cfee
Entrypoint Section:	.text
Digitally signed:	false
Imagebase:	0x400000
Subsystem:	windows gui
Image File Characteristics:	32BIT_MACHINE, EXECUTABLE_IMAGE
DLL Characteristics:	TERMINAL_SERVER_AWARE, DYNAMIC_BASE, NX_COMPAT
Time Stamp:	0x618528F1 [Fri Nov 5 12:52:01 2021 UTC]
TLS Callbacks:	
CLR (.Net) Version:	
OS Version Major:	5
OS Version Minor:	1
File Version Major:	5
File Version Minor:	1
Subsystem Version Major:	5
Subsystem Version Minor:	1
Import Hash:	2a49715e49b2891839bf716e121ca434

Entrypoint Preview

Rich Headers

Data Directories

Sections

Name	Virtual Address	Virtual Size	Raw Size	Xored PE	ZLIB Complexity	File Type	Entropy	Characteristics
.text	0x1000	0x382bb	0x38400	False	0.395729166667	data	5.67953550398	IMAGE_SCN_MEM_EXECUTE, IMAGE_SCN_CNT_CODE, IMAGE_SCN_MEM_READ
.rdata	0x3a000	0x8082	0x8200	False	0.237379807692	data	3.46352247423	IMAGE_SCN_CNT_INITIALIZED_DA TA, IMAGE_SCN_MEM_READ
.data	0x43000	0x4598	0x2000	False	0.2734375	data	3.48353069957	IMAGE_SCN_CNT_INITIALIZED_DA TA, IMAGE_SCN_MEM_WRITE, IMAGE_SCN_MEM_READ
.idata	0x48000	0xc7b	0xe00	False	0.318080357143	data	4.19163051635	IMAGE_SCN_CNT_INITIALIZED_DA TA, IMAGE_SCN_MEM_WRITE, IMAGE_SCN_MEM_READ
.rsrc	0x49000	0x59689	0x59800	False	0.644514883031	data	6.09524824059	IMAGE_SCN_CNT_INITIALIZED_DA TA, IMAGE_SCN_MEM_READ
.reloc	0xa3000	0x25c6	0x2600	False	0.625616776316	data	5.79339854832	IMAGE_SCN_CNT_INITIALIZED_DA TA, IMAGE_SCN_MEM_DISCARDABLE, IMAGE_SCN_MEM_READ

Resources

Imports

Version Infos

Possible Origin

Language of compilation system	Country where language is spoken	Мар
English	United States	

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Network Behavior

No network behavior found

Code Manipulations

Statistics

Behavior



System Behavior

Analysis Process: dngqoAXyDd.exe PID: 4872 Parent PID: 912

General

Start time:	15:03:52
Start date:	06/11/2021
Path:	C:\Users\user\Desktop\dngqoAXyDd.exe
Wow64 process (32bit):	true
Commandline:	"C:\Users\user\Desktop\dngqoAXyDd.exe"
Imagebase:	0x180000
File size:	652800 bytes
MD5 hash:	0AFBB383C5CEA9F11202D572141BB0F4
Has elevated privileges:	true
Has administrator privileges:	true
Programmed in:	C, C++ or other language
Yara matches:	Rule: JoeSecurity_TrickBot_4, Description: Yara detected Trickbot, Source: 0000000.0000002.374239555.0000000000B31000.0000040.00000001.sdmp, Author: Joe Security
Reputation:	low

Analysis Process: wermgr.exe PID: 5784 Parent PID: 4872

General

Start time:	15:03:58
Start date:	06/11/2021
Path:	C:\Windows\System32\wermgr.exe
Wow64 process (32bit):	false
Commandline:	C:\Windows\system32\wermgr.exe
Imagebase:	0x7ff7ae910000
File size:	209312 bytes
MD5 hash:	FF214585BF10206E21EA8EBA202FACFD
Has elevated privileges:	true
Has administrator privileges:	true
Programmed in:	C, C++ or other language
Reputation:	high

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Analysis Process: cmd.exe PID: 6396 Parent PID: 4872

General

Start time:	15:04:00
Start date:	06/11/2021
Path:	C:\Windows\System32\cmd.exe
Wow64 process (32bit):	false
Commandline:	C:\Windows\system32\cmd.exe
Imagebase:	0x7ff7180e0000
File size:	273920 bytes
MD5 hash:	4E2ACF4F8A396486AB4268C94A6A245F
Has elevated privileges:	true
Has administrator privileges:	true
Programmed in:	C, C++ or other language
Reputation:	high

Disassembly

Code Analysis

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