Joe Sandbox Cloud BASIC

ID: 552535
Sample Name: d780000.dll
Cookbook: default.jbs
Time: 13:50:16
Date: 13/01/2022
Version: 34.0.0 Boulder Opal

Table of Contents

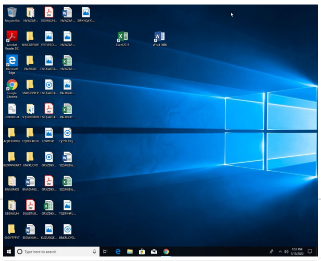
Windows Analysis Report d780000.dll

Overview

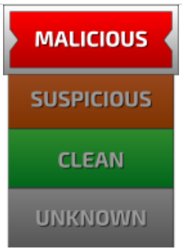
General Information

Sample Name:	d780000.dll
Analysis ID:	552535
MD5:	0c3b18bb45fc04d..
SHA1:	198fdda0ebc3eb6.
SHA256:	640977f81ab253d.
Tags:	exe gozi
Infos:	

Most interesting Screenshot:



Detection



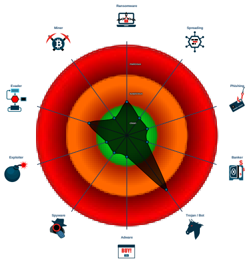
Ursnif

Score:	68
Range:	0 - 100
Whitelisted:	false
Confidence:	100%

Signatures

- Antivirus / Scanner detection for sub…
- Found malware configuration
- Yara detected Ursnif
- Sigma detected: Suspicious Call by …
- PE file does not import any functions
- Tries to load missing DLLs
- Program does not show much activi…
- Creates a process in suspended mo…
- Checks if the current process is bein…

Classification



Process Tree

- **System is w10x64**
- loaddll64.exe (PID: 6224 cmdline: loaddll64.exe "C:\Users\user\Desktop\d780000.dll" MD5: 4E8A40CAD6CCC047914E3A7830A2D8AA)
  - cmd.exe (PID: 6172 cmdline: cmd.exe /C rundll32.exe "C:\Users\user\Desktop\d780000.dll",#1 MD5: 4E2ACF4F8A396486AB4268C94A6A245F)
    - rundll32.exe (PID: 3012 cmdline: rundll32.exe "C:\Users\user\Desktop\d780000.dll",#1 MD5: 73C519F050C20580F8A62C849D49215A)
  - rundll32.exe (PID: 6084 cmdline: rundll32.exe C:\Users\user\Desktop\d780000.dll,#1 MD5: 73C519F050C20580F8A62C849D49215A)
- **cleanup**

Malware Configuration

Threatname: Ursnif

```
{
  "RSA Public Key":
"R+UxqbV/y+ZU1c0seFgwYm43sz1DSmatV8GC7d9ajlQ+vaAx2oxbmrXwev8mSqGGA/bUt2ZkpqSt/nx06+/Ak7RHUIzazuikwj2CwtI2KIDL8nZsOoWBzTyOzo34t4SghKOmz0ogisuhvhvEfnzRtTwTwtCrGujd4Sa3+qw1BPxaNAN0
DFEVfIrq201z4jAs",
  "c2_domain": [
    "lycos.com",
    "mail.yahoo.com",
    "193.56.255.251",
    "193.56.255.250",
    "193.56.255.249",
    "numolerunosell.online",
    "gumolerunosell.online",
    "rumolerunosell.online"
  ],
  "dga_tld": "com ru org",
  "DGA_count": "10",
  "server": "12",
  "serpent_key": "10291029JSJUYNHG",
  "sleep_time": "60",
  "SetWaitableTimer_value(CRC_CONFIGTIMEOUT)": "600",
  "time_value": "1000",
  "SetWaitableTimer_value(CRC_TASKTIMEOUT)": "122",
  "SetWaitableTimer_value(CRC_SENDTIMEOUT)": "1000",
  "SetWaitableTimer_value(CRC_KNOCKERTIMEOUT)": "122",
  "not_use(CRC_BCTIMEOUT)": "10",
  "botnet": "4474",
  "SetWaitableTimer_value": "200"
}
```

Yara Overview

Initial Sample

Source	Rule	Description	Author	Strings
d780000.dll	JoeSecurity_Ursnif_1	Yara detected Ursnif	Joe Security	

Sigma Overview

System Summary:

Sigma detected: Suspicious Call by Ordinal

Jbx Signature Overview

Click to jump to signature section

AV Detection:

Antivirus / Scanner detection for submitted sample

Found malware configuration

Key, Mouse, Clipboard, Microphone and Screen Capturing:

Yara detected Ursnif

E-Banking Fraud:

Yara detected Ursnif

System Summary:

Hooking and other Techniques for Hiding and Protection:

Yara detected Ursnif

Stealing of Sensitive Information:

Yara detected Ursnif

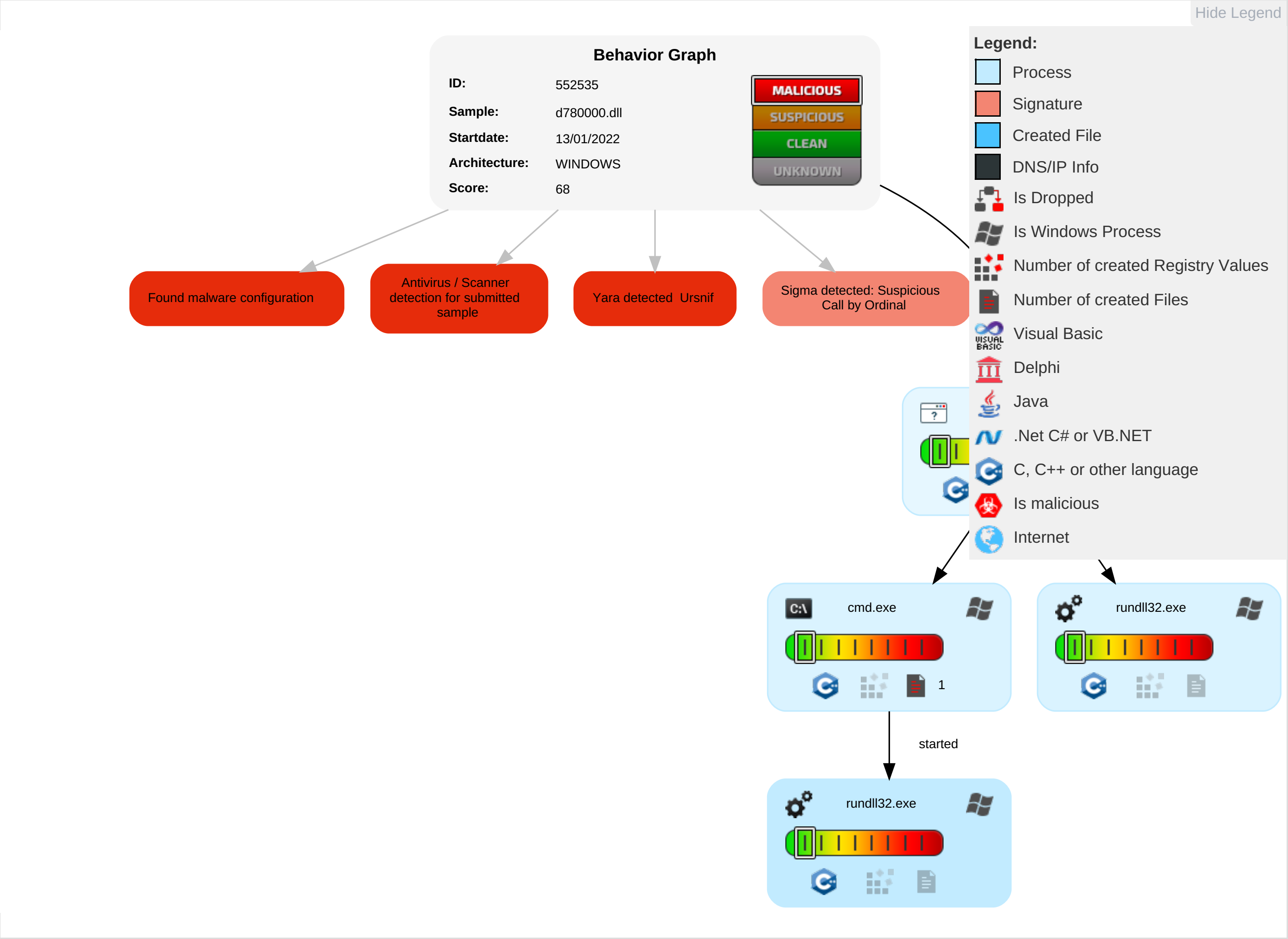
Remote Access Functionality:

Yara detected Ursnif

Mitre Att&ck Matrix

Initial Access	Execution	Persistence	Privilege Escalation	Defense Evasion	Credential Access	Discovery	Lateral Movement	Collection	Exfiltration	Command and Control	Network Effects
Valid Accounts	Windows Management Instrumentation	DLL Side-Loading 1	Process Injection 1 1	Virtualization/Sandbox Evasion 1	OS Credential Dumping	Security Software Discovery 1	Remote Services	Data from Local System	Exfiltration Over Other Network Medium	Data Obfuscation	Eavesdrop on Insecure Network Communication
Default Accounts	Scheduled Task/Job	Boot or Logon Initialization Scripts	DLL Side-Loading 1	Rundll32 1	LSASS Memory	Virtualization/Sandbox Evasion 1	Remote Desktop Protocol	Data from Removable Media	Exfiltration Over Bluetooth	Junk Data	Exploit SS7 to Redirect Phone Calls/SMS
Domain Accounts	At (Linux)	Logon Script (Windows)	Logon Script (Windows)	Process Injection 1 1	Security Account Manager	System Information Discovery 1	SMB/Windows Admin Shares	Data from Network Shared Drive	Automated Exfiltration	Steganography	Exploit SS7 to Track Device Location
Local Accounts	At (Windows)	Logon Script (Mac)	Logon Script (Mac)	DLL Side-Loading 1	NTDS	System Network Configuration Discovery	Distributed Component Object Model	Input Capture	Scheduled Transfer	Protocol Impersonation	SIM Card Swap

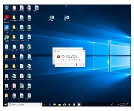
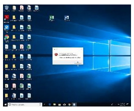
Behavior Graph

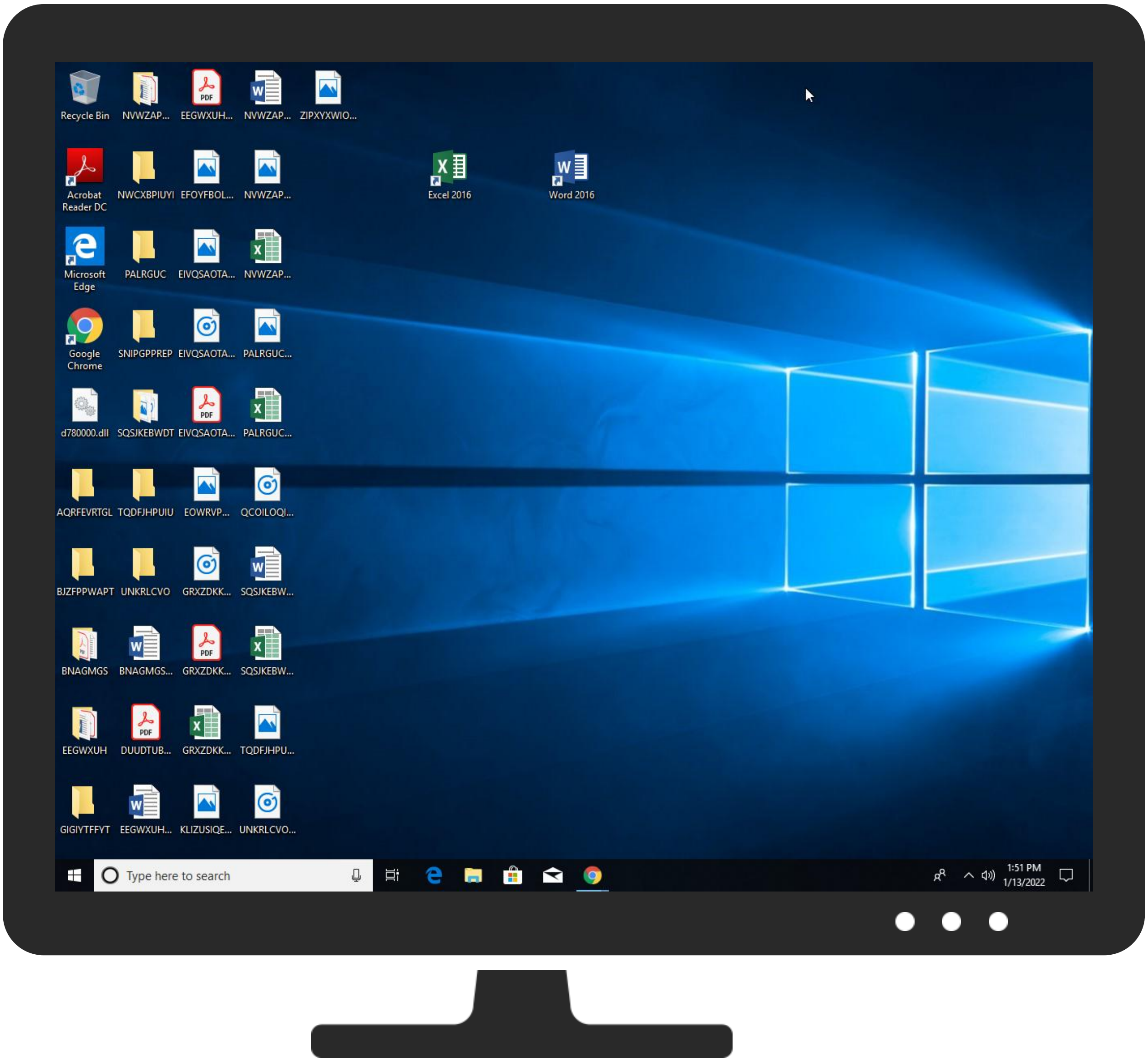


Screenshots

Thumbnails

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
d780000.dll	100%	Avira	HEUR/AGEN.1212258	

Dropped Files

No Antivirus matches

Unpacked PE Files

No Antivirus matches

Domains

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:	552535
Start date:	13.01.2022
Start time:	13:50:16
Joe Sandbox Product:	CloudBasic
Overall analysis duration:	0h 3m 0s
Hypervisor based Inspection enabled:	false
Report type:	light
Sample file name:	d780000.dll
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:	8
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:	mal68.troj.winDLL@7/0@0/0
EGA Information:	Failed
HDC Information:	Failed
HCA Information:	• Successful, ratio: 100% • Number of executed functions: 0 • Number of non-executed functions: 0
Cookbook Comments:	• Adjust boot time • Enable AMSI • Found application associated with file extension: .dll • Stop behavior analysis, all processes terminated
Warnings:	Show All

Simulations

Behavior and APIs

No simulations

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:	MS-DOS executable
Entropy (8bit):	6.4175338303633085
TrID:	• Win64 Dynamic Link Library (generic) (102004/3) 84.88% • Win64 Executable (generic) (12005/4) 9.99% • DOS Executable Borland Pascal 7.0x (2037/25) 1.69% • Generic Win/DOS Executable (2004/3) 1.67% • DOS Executable Generic (2002/1) 1.67%
File name:	d780000.dll
File size:	227840
MD5:	0c3b18bb45fc04d2b4f802e4a6a898f4
SHA1:	198fdda0ebc3eb6c4c0c3f235d4d2725f51ab688
SHA256:	640977f81ab253d45adb96d2e4a6fc2c634ef31b6747ade3acf2fe37238a7d34
SHA512:	870dc1b9c96f289d426decb24085b6ca6782e9501a07e1503418556a4aea70ad689d0dd9e64e022e8d18a976f0b20e96404d9968bffc356e9aa0b30bfc0a8e30
SSDEEP:	6144:/HExb7VwvtKNbnvSxYNiyf+D3Luiy53H:cxb5wvtKRvSxY0G+D7uii
File Content Preview:	MZ.. ....PE..d..

File Icon

Icon Hash:	74f0e4ecccdce0e4

Static PE Info

General

Entrypoint:	0x18002a0e8
Entrypoint Section:	.text
Digitally signed:	false

General

Imagebase:	0x180000000
Subsystem:	windows gui
Image File Characteristics:	EXECUTABLE_IMAGE, DLL, LARGE_ADDRESS_AWARE
DLL Characteristics:	
Time Stamp:	0x60C0F8C1 [Wed Jun 9 17:22:09 2021 UTC]
TLS Callbacks:	
CLR (.Net) Version:	
OS Version Major:	5
OS Version Minor:	2
File Version Major:	5
File Version Minor:	2
Subsystem Version Major:	5
Subsystem Version Minor:	2
Import Hash:	

Entrypoint Preview

Data Directories

Sections

Name	Virtual Address	Virtual Size	Raw Size	Xored PE	ZLIB Complexity	File Type	Entropy	Characteristics
.text	0x1000	0x2c908	0x2ca00	False	0.57014290091	data	6.34156774345	IMAGE_SCN_MEM_EXECUTE, IMAGE_SCN_CNT_CODE, IMAGE_SCN_MEM_READ
.rdata	0x2e000	0x4b07	0x4c00	False	0.399362664474	data	5.24927821467	IMAGE_SCN_CNT_INITIALIZED_DATA, IMAGE_SCN_MEM_READ
.data	0x33000	0x1f88	0x1a00	False	0.338792067308	lif file	4.02465091535	IMAGE_SCN_CNT_INITIALIZED_DATA, IMAGE_SCN_MEM_WRITE, IMAGE_SCN_MEM_READ
.pdata	0x35000	0x17c4	0x1800	False	0.538411458333	data	5.29492234825	IMAGE_SCN_CNT_INITIALIZED_DATA, IMAGE_SCN_MEM_READ
.bss	0x37000	0x20c8	0x2200	False	0.952895220588	data	7.87054877548	IMAGE_SCN_CNT_INITIALIZED_DATA, IMAGE_SCN_MEM_WRITE, IMAGE_SCN_MEM_READ
.reloc	0x3a000	0x1000	0xc00	False	0.459635416667	data	4.35925404581	IMAGE_SCN_CNT_INITIALIZED_DATA, IMAGE_SCN_MEM_READ

Network Behavior

No network behavior found

Code Manipulations

Statistics

Behavior

Click to jump to process

System Behavior

Analysis Process: loaddll64.exe PID: 6224 Parent PID: 5496

General

Start time:	13:51:15
Start date:	13/01/2022
Path:	C:\Windows\System32\loaddll64.exe
Wow64 process (32bit):	false
Commandline:	loaddll64.exe "C:\Users\user\Desktop\d780000.dll"
Imagebase:	0x7ff6820e0000
File size:	140288 bytes
MD5 hash:	4E8A40CAD6CCC047914E3A7830A2D8AA
Has elevated privileges:	true
Has administrator privileges:	true
Programmed in:	C, C++ or other language
Reputation:	moderate

File Activities

Show Windows behavior

Analysis Process: cmd.exe PID: 6172 Parent PID: 6224

General

Start time:	13:51:15
Start date:	13/01/2022
Path:	C:\Windows\System32\cmd.exe
Wow64 process (32bit):	false
Commandline:	cmd.exe /C rundll32.exe "C:\Users\user\Desktop\d780000.dll",#1
Imagebase:	0x7ff7b3890000
File size:	273920 bytes
MD5 hash:	4E2ACF4F8A396486AB4268C94A6A245F
Has elevated privileges:	true
Has administrator privileges:	true
Programmed in:	C, C++ or other language
Reputation:	high

File Activities

Show Windows behavior

Analysis Process: rundll32.exe PID: 3012 Parent PID: 6172

General

Start time:	13:51:15
Start date:	13/01/2022
Path:	C:\Windows\System32\rundll32.exe
Wow64 process (32bit):	false
Commandline:	rundll32.exe "C:\Users\user\Desktop\d780000.dll",#1
Imagebase:	0x7ff62ded0000
File size:	69632 bytes
MD5 hash:	73C519F050C20580F8A62C849D49215A
Has elevated privileges:	true
Has administrator privileges:	true
Programmed in:	C, C++ or other language
Reputation:	high

File Activities

Show Windows behavior

Analysis Process: rundll32.exe PID: 6084 Parent PID: 6224

General

Start time:	13:51:15
Start date:	13/01/2022
Path:	C:\Windows\System32\rundll32.exe
Wow64 process (32bit):	false
Commandline:	rundll32.exe C:\Users\user\Desktop\d780000.dll,#1
Imagebase:	0x7ff62ded0000
File size:	69632 bytes
MD5 hash:	73C519F050C20580F8A62C849D49215A
Has elevated privileges:	true
Has administrator privileges:	true
Programmed in:	C, C++ or other language
Reputation:	high

File Activities

Show Windows behavior

Disassembly

Code Analysis

Joe Sandbox Cloud Basic 34.0.0 Boulder Opal