



ID: 320271 Sample Name:

sviluppo_economico_19__582.xls

Cookbook:

defaultwindowsofficecookbook.jbs

Time: 08:19:58 Date: 19/11/2020

Version: 31.0.0 Red Diamond

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Analysis Report sviluppo_economico_19__582.xls

Overview

General Information



Detection



Signatures



Classification



Startup

- System is w7x64
- EXCEL.EXE (PID: 896 cmdline: 'C:\Program Files\Microsoft Office\Office\Office\Office\LEXE' /automation -Embedding MD5: 5FB0A0F93382ECD19F5F499A5CAA59F0)
- cleanup

Malware Configuration

No configs have been found

Yara Overview

Initial Sample

Source	Rule	Description	Author	Strings
sviluppo_economico_19582.xls	JoeSecurity_PasswordProt	Yara detected	Joe Security	
	ectedXIsWithEmbeddedMa	password		
	cros	protected xls with		
		embedded macros		

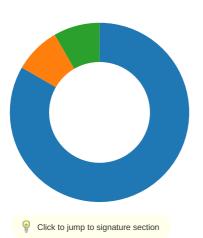
Sigma Overview

No Sigma rule has matched

Signature Overview

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- System Summary
- Hooking and other Techniques for Hiding and Protection
- HIPS / PFW / Operating System Protection Evasion



HIPS / PFW / Operating System Protection Evasion:



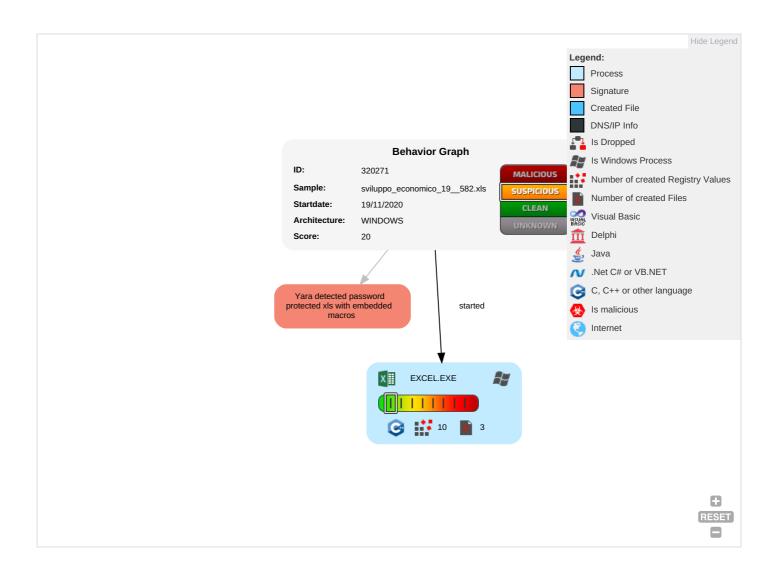
Yara detected password protected xls with embedded macros

Mitre Att&ck Matrix

Initial Access	Execution	Persistence	Privilege Escalation	Defense Evasion	Credential Access	Discovery	Lateral Movement	Collection	Exfiltration	Command and Control	Network Effects	Remote Service Effects	Impact
Accounts	Windows Management Instrumentation	Path Interception	Path Interception	Direct Volume Access	OS Credential Dumping		Remote Services	Data from Local System	Exfiltration Over Other Network Medium	Data Obfuscation	Eavesdrop on Insecure Network Communication	Remotely Track Device Without Authorization	Modify System Partition
Default Accounts		Boot or Logon Initialization Scripts	Boot or Logon Initialization Scripts	Rootkit	LSASS Memory	System Information Discovery 1	Remote Desktop Protocol	Data from Removable Media	Exfiltration Over Bluetooth	Junk Data	Exploit SS7 to Redirect Phone Calls/SMS	Remotely Wipe Data Without Authorization	Device Lockout

Behavior Graph

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Screenshots

Thumbnails

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



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Antivirus, Machine Learning and Genetic Malware Detection Initial Sample

 Source
 Detection
 Scanner
 Label
 Link

 sviluppo_economico_19_582.xls
 9%
 ReversingLabs

Dropped Files

No Antivirus matches

Unpacked PE Files

No Antivirus matches

Domains

No Antivirus matches

URLs

No Antivirus matches

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Domains and IPs

Contacted Domains

No contacted domains info

Contacted IPs

No contacted IP infos

General Information

Joe Sandbox Version:	31.0.0 Red Diamond
Analysis ID:	320271
Start date:	19.11.2020
Start time:	08:19:58
Joe Sandbox Product:	CloudBasic
Overall analysis duration:	0h 3m 54s
Hypervisor based Inspection enabled:	false
Report type:	light
Sample file name:	sviluppo_economico_19582.xls
Cookbook file name:	defaultwindowsofficecookbook.jbs
Analysis system description:	Windows 7 x64 SP1 with Office 2010 SP2 (IE 11, FF52, Chrome 57, Adobe Reader DC 15, Flash 25.0.0.127, Java 8 Update 121, .NET 4.6.2)
Number of analysed new started processes analysed:	2
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:	EGA enabledHDC enabledAMSI enabled
Analysis Mode:	default
Analysis stop reason:	Timeout
Detection:	SUS
Classification:	sus20.expl.winXLS@1/0@0/0
Cookbook Comments:	Adjust boot time Enable AMSI Found application associated with file extension: .xls Changed system and user locale, location and keyboard layout to Italian - Italy Found Word or Excel or PowerPoint or XPS Viewer Attach to Office via COM Scroll down Close Viewer
Warnings:	Show All • Exclude process from analysis (whitelisted): dllhost.exe

Simulations

Behavior and APIs

No simulations

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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:	Composite Document File V2 Document, Little Endian, Os: Windows, Version 10.0, Code page: 1252, Author: jkuSNqrYfxGvb, Last Saved By: administrator, Name of Creating Application: Microsoft Excel, Create Time/Date: Wed Nov 18 22:00:31 2020, Last Saved Time/Date: Wed Nov 18 23:28:25 2020, Security: 1
Entropy (8bit):	7.664377829908077
TrID:	 Microsoft Excel sheet (30009/1) 78.94% Generic OLE2 / Multistream Compound File (8008/1) 21.06%
File name:	sviluppo_economico_19582.xls
File size:	410624
MD5:	b3b91ca3c10da94ad224c3a179249e3b
SHA1:	7fe3e551c432e2e3bdea3ddba8b87362e580dfb8
SHA256:	be6a92f7d1f695d18ba9e0661a1fdc3a440a7b87443cfe0 2a92d3f88ff08cf2c
SHA512:	12b55b17a99f6d59b0405c46d5cecb3ee655051d74928e 2dff63955aff040062aa5c7409cbe94cd974ad8d895c223 4172ea12bdcfb8f49bf222ef87f91ae3040
SSDEEP:	12288:UqocNxZF+FrbvNEky+0UJM1LsiE08Nyyl8o9W: qlLFeNK1nyNDI6
File Content Preview:	

File Icon

Icon Hash:	e4eea286a4b4bcb4

Static OLE Info

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General	
Document Type:	OLE
Number of OLE Files:	1

OLE File "sviluppo_economico_19__582.xls"

Indicators				
Has Summary Info:	True			
Application Name:	Microsoft Excel			
Encrypted Document:	True			
Contains Word Document Stream:	False			
Contains Workbook/Book Stream:	True			
Contains PowerPoint Document Stream:	False			
Contains Visio Document Stream:	False			
Contains ObjectPool Stream:				
Flash Objects Count:				
Contains VBA Macros:	False			

Summary			
Code Page:	1252		
Author:	jkuSNqrYfxGvb		
Last Saved By:	administrator		
Create Time:	2020-11-18 22:00:31		
Last Saved Time:	2020-11-18 23:28:25		
Creating Application:	Microsoft Excel		
Security:	1		

Document Summary			
Document Code Page:	1252		
Thumbnail Scaling Desired:	False		
Company:			
Contains Dirty Links:	False		
Shared Document:	False		
Changed Hyperlinks:	False		
Application Version:	1048576		

Streams

Stream Path: \x5DocumentSummaryInformation, File Type: data, Stream Size: 4096

General	
Stream Path:	\x5DocumentSummaryInformation
File Type:	data
Stream Size:	4096
Entropy:	0.52957734561
Base64 Encoded:	False
Data ASCII:	
Data Raw:	fe ff 00 00 0a 00 02 00 00 00 00 00 00 00 00 00 00 00

Stream Path: \x5SummaryInformation, File Type: data, Stream Size: 4096

General	
Stream Path:	\x5SummaryInformation
File Type:	data
Stream Size:	4096
Entropy:	0.331222058752
Base64 Encoded:	False
Data ASCII:	Oh+'0@H`xjkuSNqrYfxGvbadministratorMicrosoft Excel.@c;@ 2

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General	
Data Raw:	$ \begin{array}{l} \text{fe ff } 00\ 00\ 0a\ 00\ 02\ 00\ 00\ 00\ 00\ 00\ 00\ 00\ 00$
	00 00 00 10 00 00 00

Stream Path: Workbook, File Type: Applesoft BASIC program data, first line number 16, Stream Size: 397491

General	
Stream Path:	Workbook
File Type:	Applesoft BASIC program data, first line number 16
Stream Size:	397491
Entropy:	7.76369492327
Base64 Encoded:	True
Data ASCII:	$ \begin{array}{cccccccccccccccccccccccccccccccccccc$
Data Raw:	$09\ 08\ 10\ 00\ 00\ 60\ 50\ 5a\ 4f\ cd\ 07\ c9\ 00\ 02\ 00\ 60\ 80\ 00\ 02\ f00\ c8\ 00\ 01\ 00\ 04\ 00\ 02\ 00\ 00$ $00\ 00\ 00\ 00\ 00\ 00\ 00\ 00\ 00\ 00$

Network Behavior

No network behavior found

Code Manipulations

Statistics

System Behavior

Analysis Process: EXCEL.EXE PID: 896 Parent PID: 584

General

Start time:	08:20:45
Start date:	19/11/2020
Path:	C:\Program Files\Microsoft Office\Office14\EXCEL.EXE
Wow64 process (32bit):	false
Commandline:	'C:\Program Files\Microsoft Office\Office14\EXCEL.EXE' /automation -Embedding
Imagebase:	0x13f480000
File size:	27641504 bytes
MD5 hash:	5FB0A0F93382ECD19F5F499A5CAA59F0
Has elevated privileges:	true
Has administrator privileges:	true
Programmed in:	C, C++ or other language
Reputation:	high

File Activities

							Source	
Fil	e Path	Access	Attributes	Options	Completion	Count	Address	Symbol

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Old File Path					New File Path					Completion		Source Address	Symbol
File Path							Offset	Length		Completion	Count	Source Address	Symbol
Registry Activities													
Key Path									Comp	oletion	Count	Source Address	Symbol
Key Path			Name		Туре	Data			Comp	oletion	Count	Source Address	Symbol
Key Path	Name	Туре		Old Da	ta		New Data		Comp	oletion	Count	Source Address	Symbol
,	1.134.115	.,,,,,		3.3 50					23111		Sant		2,1110

Disassembly

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