



ID: 321050 Sample Name:

sviluppo_economico_18__257.xls

Cookbook:

defaultwindowsofficecookbook.jbs

Time: 10:21:49
Date: 20/11/2020

Version: 31.0.0 Red Diamond

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Analysis Report sviluppo_economico_18__257.xls

Overview

General Information



Detection



Signatures



Classification



Startup

- System is w7x64
- EXCEL.EXE (PID: 2360 cmdline: 'C:\Program Files\Microsoft Office\Office\Office\1\EXCEL.EXE' /automation -Embedding MD5: 5FB0A0F93382ECD19F5F499A5CAA59F0)
- cleanup

Malware Configuration

No configs have been found

Yara Overview

Initial Sample

Source	Rule	Description	Author	Strings
sviluppo_economico_18257.xls	JoeSecurity_PasswordProt	Yara detected	Joe Security	
	ectedXlsWithEmbeddedMa	password		
	cros	protected xls with		
		embedded macros		

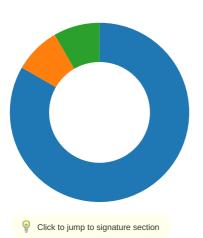
Sigma Overview

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:



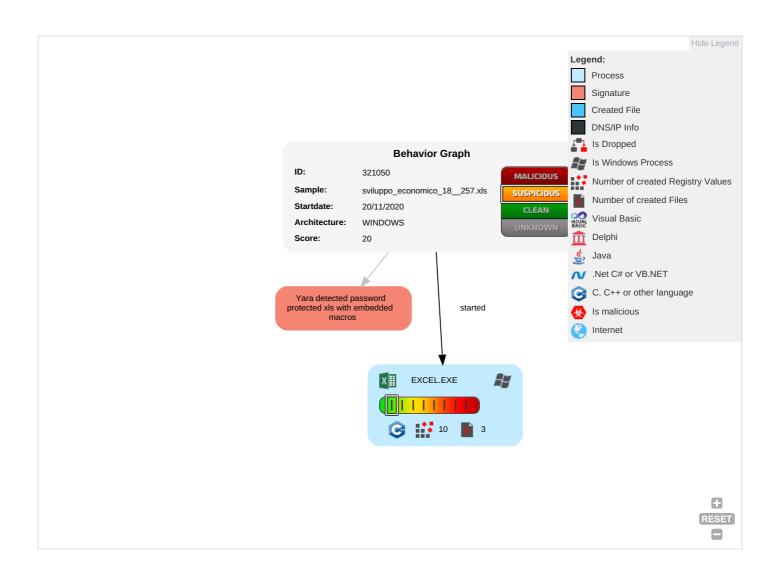
Yara detected password protected xls with embedded macros

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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Initial Sample

No Antivirus matches

Dropped Files

No Antivirus matches

Unpacked PE Files

No Antivirus matches

Domains

No Antivirus matches

URLs

No Antivirus matches

Domains and IPs

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Contacted Domains

No contacted domains info

Contacted IPs

No contacted IP infos

General Information

Joe Sandbox Version:	31.0.0 Red Diamond
Analysis ID:	321050
Start date:	20.11.2020
Start time:	10:21:49
Joe Sandbox Product:	CloudBasic
Overall analysis duration:	0h 3m 56s
Hypervisor based Inspection enabled:	false
Report type:	light
Sample file name:	sviluppo_economico_18257.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 enabled HDC enabled AMSI 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 VT rate limit hit for: /opt/package/joesandbox/database/analysis/32105 0/sample/sviluppo_economico_18257.xls

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: veeREfBOcKbNRq, Last Saved By: administrator, Name of Creating Application: Microsoft Excel, Create Time/Date: Wed Nov 18 21:59:48 2020, Last Saved Time/Date: Wed Nov 18 22:46:55 2020, Security: 1
Entropy (8bit):	7.657541825457614
TrID:	Microsoft Excel sheet (30009/1) 78.94% Generic OLE2 / Multistream Compound File (8008/1) 21.06%
File name:	sviluppo_economico_18257.xls
File size:	406528
MD5:	497b53c6668e127364bc30f56555399b
SHA1:	ae46204ffd41a649ce4fb9ab24e0add934b68549
SHA256:	f07973faea77882d308d04ea19d66110e3ed3e65c2b8acc45fb6e6fffb5180f4
SHA512:	92e760cbf9ac4bcbfeecf232b6c4f3dbddf0e7287e9795e4 10f68bfea0e0c7e7739d48d5bebab0a1c9e09aa442658c7 d406cb586e9dc0f02c0a8227c5f66d1c2
SSDEEP:	6144:io0aQoiZJoBOKsuHzGNpT6rLh/s7UpT2ETflvilcM SvcseT8O:1wZ6BOKseGNgfa7ET8SvmH
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_18__257.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:	veeREfBOcKbNRq
Last Saved By:	administrator
Create Time:	2020-11-18 21:59:48
Last Saved Time:	2020-11-18 22:46:55
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:	0.749350878342
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:	0.330245496252
Base64 Encoded:	False
Data ASCII:	

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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: 393436

General	
Stream Path:	Workbook
File Type:	Applesoft BASIC program data, first line number 16
Stream Size:	393436
Entropy:	7.75690503676
Base64 Encoded:	True
Data ASCII:	ZO/
Data Raw:	$\begin{array}{c} 09\ 08\ 10\ 00\ 00\ 60\ 50\ 05\ a\ 4f\ cd\ 07\ c9\ 00\ 02\ 00\ 60\ 80\ 00\ 02\ f00\ c8\ 00\ 01\ 00\ 04\ 00\ 02\ 00\ 0c\\ 00\ 00\ 00\ 00\ 00\ 00\ 00\ 00\ 00\ 00$

Network Behavior

No network behavior found

Code Manipulations

Statistics

System Behavior

Analysis Process: EXCEL.EXE PID: 2360 Parent PID: 584

General

Start time:	10:22:45
Start date:	20/11/2020
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:	0x13fcb0000
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	
File 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
,	1.13.110	.,,,,		3.3 50					23111		Sant		2,1110

Disassembly

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