

SHARING AND AUTOMATION FOR PRIVACY PRESERVING ATTACK NEUTRALIZATION

# Malware Analysis Automation Platform

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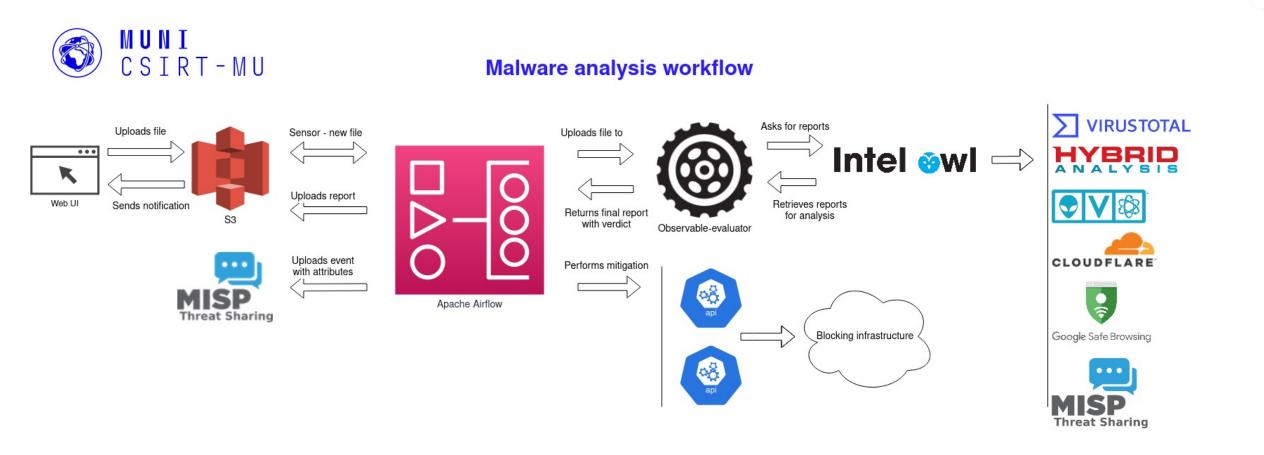
## TLP:WHITE







MUNI







1. Provide API keys to supported tools through config file

Public API without key may have limited services

2. Run Docker containers

O Using Docker - docker - compose up

o or Using Vagrant - vagrant up







# Initial Airflow State

Airflow DAGs Security Browse Admin Docs						13:51 UTC -	AI
DAGs							
All 6 Active 6 Paused 0	Filter DAGs by tag				Search DAGs		
• DAG	Owner	Runs 💿	Schedule	Last Run 🕥	Recent Tasks	Actions	Links
block_multiple_domains	airflow		None			0000 <b>•</b> ¢ †	
block_multiple_emails_dag	airflow		None			<b>₫ 9 4</b> 0000	
block_multiple_ips_dag	airflow		None			0000	
malware_dag	airflow		None				
malware_starter_dag	airflow	$\bigcirc \bigcirc \bigcirc \bigcirc$		1970-01-01, 00:02:00 🕕			
observable_dag	airflow		None				
« c 1 > »						Showing 1-6	of 6 DAGs





Reports Upload malware

### Submit file to malware analyzer

Choose file...





# Running Malware Analysis DAG





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Reports Upload malware

## Report is ready

C3

#### Test malware.docx.exe-report.pdf

Download New upload









## Report for the File

#### Result

Malware-pipeline evaluated file Test malware.docx.exe as malicious.

#### **Basic information**

Na	me	Test malware.docx.exe					
	MD5	8d4b77fa3546149f25bd17357d41fbf0					
Hash	SHA1	7289737c1dc462726abbe89335a7702c130bbdcc					
	SHA256	bd8cda80aaee3e4a17e9967a1c062ac5c8e4aefd7eaa3362f54044c2c94db52a					
		myfile					
		Andr.PegasusB_Pwk9fuo.apk					
		TrojanSpyAndroidPegasus.32507731.apk					
		bd8cda80aaee3e4a17e9967a1c062ac5c8e4aefd7eaa3362f54044c2c94db52a.apk					
		bd8cda80aaee3e4a17e9967a1c062ac5c8e4aefd7eaa3362f54044c2c94db52a					
Alia	ises	pegasus.apk					
Alla	1565	Andr.PegasusB_6nFFeMO.apk					
		6a3efdca-2465-460e-878e-3e6d52790c10					
		Andr.PegasusB.apk					
		base.apk					
		bd8cda80aaee3e4a17e9967a1c062ac5c8e4aefd7eaa3362f54044c2c94db52a.exe					
		pegasus2021_3.apk					
Tagged as	malicious	HybridAnalysis, OTX Alien Vault, VirusTotal					
Tagged as	harmless	MISP_Check_Hash					







#### Found observables

Observable	Туре	Malicious	Detected by	Tagged malicious	Tagged harmless
172.217.194.190	ip	Yes	VirusTotal	OTX Alien Vault	Google Safebrowsing, MISP
142.250.13.188	ip	Yes	VirusTotal	OTX Alien Vault	Google Safebrowsing, MISP
142.250.102.188	ip	Yes	VirusTotal	OTX Alien Vault	Google Safebrowsing, MISP
142.250.27.188	ip	No	VirusTotal		Google Safebrowsing, MISP







Obtained m	alware Test malware.docx.exe
aph Obtained III	aiware rest maiware.uocx.exe
Event ID	1
UUID	e83a368e-d954-4472-b7f1-8ea3aDea9af3 🚹 🧮
Creator org	ORGNAME
Owner org	ORGNAME
Creator user	admin@admin.test
Tags	
Date	2022-01-14
Threat Level	? Undefined
Analysis	Initial
Distribution	This community only
Info	Obtained malware Test malware.docx.exe
Published	No
#Attributes	11 (1 Object)
First recorded change	2022-01-14 08:43:49
Last change	2022-01-14 08:43:50
Modification map	
Sightings	0 (0) - restricted to own organisation only. F







+ ≣ ≞ ×	Scope toggle 🗸	Deleted	🗠 Decay score	#SightingDB	Context	TRelated Tags	<b>T</b> Filtering tool						Enter value	to search	Q X
Date * Org	Category	Туре	Value				Tags	Galaxies	Comment	Correlate	Related Events Feed hits	IDS	Distribution	Sightings Activity	Actions
2022-01-14	Network activity	ip-dst	172.217.194.1	90			<b>⊗</b> + <b>≗</b> +	(0+ ≗+					Inherit	£ ₽ ₽ (0/0/0)	₽ î   C î
2022-01-14	Network activity	ip-dst	142.250.13.18	38			(€) +	(0+ ≗+					Inherit	l∆ I⊽ ≁ (0/0/0)	<b>?</b>   <b>C</b>
2022-01-14	Network activity	ip-dst	142.250.102.1	88			€ + 🗶 +	(⊗+ ≗+					Inherit	心 や チ (0/0/0)	9 î   C î

							()	
2022-01-14	Object name: file References: 0 🔒					Inherit		C 🕯
2022-01-14	Payload delivery	filename: filename	Test malware.docx.exe	<b>③</b> + <b>≜</b> + <b>③</b> + <b>≜</b> +		Inherit	£ ₽ € (0/0/0)	<b>₽</b> \$  C \$
2022-01-14	Other	size-in-bytes: size-in-bytes	1108049	<b>③</b> + <b>≜</b> + <b>③</b> + <b>≜</b> +		Inherit	£ ₽ € (0/0/0)	<b>₽</b> \$   C \$
2022-01-14	Other	entropy: float	7.9931541696921	<b>③</b> + <b>≜</b> + <b>③</b> + <b>≜</b> +		Inherit	l∆ 1⊽ ⊮ (0/0/0)	<b>₽ 1</b>   C 1
2022-01-14	Payload delivery	<b>md5:</b> md5	8d4b77fa3546149f25bd17357d41fbf0	<b>③</b> + <b>≜</b> + <b>③</b> + <b>≜</b> +	2	Inherit	l∆ 1⊽ ≁ (0/0/0)	● \$  C \$
2022-01-14	Payload delivery	sha1: sha1	7289737c1dc462726abbe89335a7702c130bbdcc	<b>⊘</b> + <b>≜</b> + <b>⊘</b> + <b>≜</b> +		Inherit	ら ゆ チ (0/0/0)	• • C •







- Platform independent
- One-command deployment
- Speeds-up the initial evaluation of a suspicious file
- Will be released as open-source in April