

JOeSandbox Cloud BASIC



ID: 679491

Sample Name: PPyJlaRy0K

Cookbook:

defaultlinuxfilecookbook.jbs

Time: 21:53:08

Date: 05/08/2022

Version: 35.0.0 Citrine

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Linux Analysis Report

PPyJlaRy0K

Overview

General Information

Sample Name:	PPyJlaRy0K
Analysis ID:	679491
MD5:	6e38620768d8b3.
SHA1:	64a0eb90426549.
SHA256:	0d69d7b9183771.
Tags:	32 elf mirai motorola
Infos:	

Detection

MALICIOUS

SUSPICIOUS

CLEAN

UNKNOWN

Mirai

Score:	68
Range:	0 - 100
Whitelisted:	false

Signatures

Antivirus / Scanner detection for sub...

Yara detected Mirai

Multi AV Scanner detection for subm...

Sample deletes itself

Sample has stripped symbol table

Uses the "uname" system call to qu...

Enumerates processes within the "p...

Tries to connect to HTTP servers, b...

Detected TCP or UDP traffic on non...

Sample listens on a socket

Sample tries to kill a process (SIGK...

Classification

Analysis Advice

- Static ELF header machine description suggests that the sample might not execute correctly on this machine.
- All HTTP servers contacted by the sample do not answer. The sample is likely an old dropper which does no longer work.

General Information

Joe Sandbox Version:	35.0.0 Citrine
Analysis ID:	679491
Start date and time: 05/08/202221:53:08	2022-08-05 21:53:08 +02:00
Joe Sandbox Product:	CloudBasic
Overall analysis duration:	0h 6m 40s
Hypervisor based Inspection enabled:	false
Report type:	light
Sample file name:	PPyJlaRy0K
Cookbook file name:	defaultlinuxfilecookbook.jbs
Analysis system description:	Ubuntu Linux 20.04 x64 (Kernel 5.4.0-72, Firefox 91.0, Evince Document Viewer 3.36.10, LibreOffice 6.4.7.2, OpenJDK 11.0.11)
Analysis Mode:	default
Detection:	MAL
Classification:	mal68.troj.evad.lin@0/0@0/0

Warnings

Runtime Messages

Command:	/tmp/PPyJlaRy0K
PID:	6234
Exit Code:	0
Exit Code Info:	
Killed:	False
Standard Output:	BEASTMODE-BITCHES@@"/proc
Standard Error:	

Process Tree

- system is Inxubuntu20
 - PPyJlaRy0K (PID: 6234, Parent: 6124, MD5: cd177594338c77b895ae27c33f8f86cc) Arguments: /tmp/PPyJlaRy0K
 - PPyJlaRy0K New Fork (PID: 6236, Parent: 6234)
 - PPyJlaRy0K New Fork (PID: 6238, Parent: 6234)
 - PPyJlaRy0K New Fork (PID: 6239, Parent: 6234)
 - PPyJlaRy0K New Fork (PID: 6243, Parent: 6234)
 - PPyJlaRy0K New Fork (PID: 6249, Parent: 6243)
 - PPyJlaRy0K New Fork (PID: 6251, Parent: 6243)
 - PPyJlaRy0K New Fork (PID: 6253, Parent: 6243)
- cleanup

Yara Signatures

PCAP (Network Traffic)

Source	Rule	Description	Author	Strings
dump.pcap	JoeSecurity_Mirai_12	Yara detected Mirai	Joe Security	

Snort Signatures

No Snort rule has matched

Joe Sandbox Signatures

AV Detection



Antivirus / Scanner detection for submitted sample

Multi AV Scanner detection for submitted file

Hooking and other Techniques for Hiding and Protection



Sample deletes itself

Stealing of Sensitive Information



Yara detected Mirai

Remote Access Functionality



Yara detected Mirai

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
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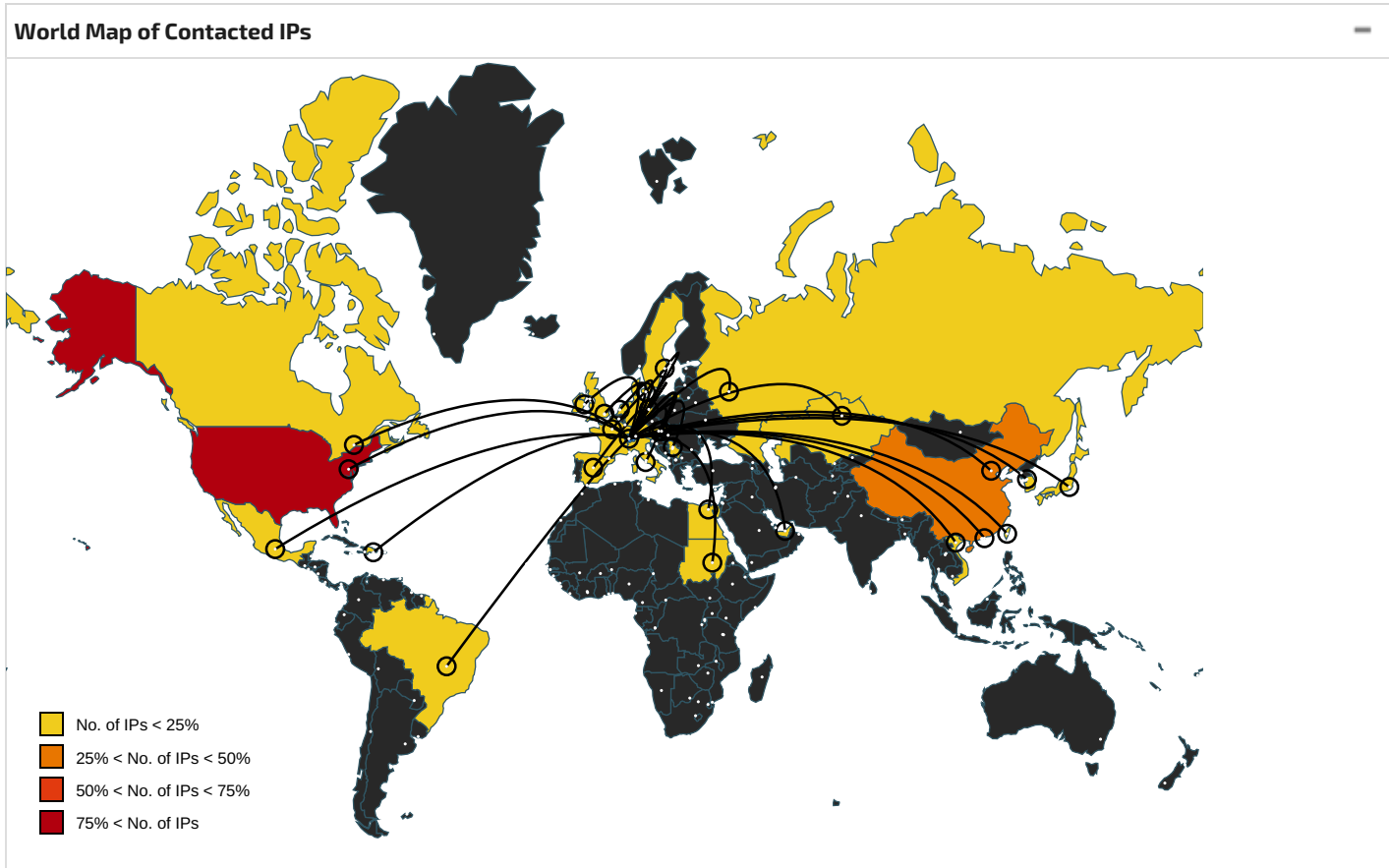
Initial Sample				
Source	Detection	Scanner	Label	Link
PPyJlaRy0K	60%	Virustotal		Browse
PPyJlaRy0K	100%	Avira	LINUX/Mirai.bonb	

Dropped Files
No Antivirus matches

Domains
No Antivirus matches

URLs
No Antivirus matches

Domains and IPs
Contacted Domains
No contacted domains info



Public IPs						
IP	Domain	Country	Flag	ASN	ASN Name	Malicious
62.140.95.229	unknown	Egypt		36992	ETISALAT-MISREG	false
144.44.131.254	unknown	European Union		21286	KPN-CORPORATE-MARKETNL	false
48.239.135.196	unknown	United States		2686	ATGS-MMD-ASUS	false
63.140.123.191	unknown	United States		7782	ALSK-7782US	false
206.50.86.49	unknown	United States		2914	NTT-COMMUNICATIONS-2914US	false

IP	Domain	Country	Flag	ASN	ASN Name	Malicious
35.198.197.229	unknown	United States		15169	GOOGLEUS	false
206.49.61.98	unknown	United States		5511	OPENTRANSITFR	false
211.1.137.125	unknown	Japan		7670	CTNETEnergiCommunicationsIncJP	false
77.229.193.239	unknown	Spain		12430	VODAFONE_ESES	false
110.167.255.14	unknown	China		4134	CHINANET-BACKBONENo31JinrongStreetCN	false
85.36.243.95	unknown	Italy		3269	ASN-IBSNAZIT	false
38.198.245.85	unknown	United States		174	COGENT-174US	false
112.24.113.121	unknown	China		56046	CMNET-JIANGSU-APChinaMobilecommunicationscorporationCN	false
107.157.252.28	unknown	United States		7065	SONOMASUS	false
20.41.197.186	unknown	United States		8075	MICROSOFT-CORP-MSN-AS-BLOCKUS	false
115.27.36.214	unknown	China		24349	CNGI-BJ-IX3-AS-APCERNET2IXatPekingUniversityCN	false
18.158.195.5	unknown	United States		16509	AMAZON-02US	false
164.179.118.105	unknown	United States		37717	EL-KhawarizmiTN	false
19.88.233.149	unknown	United States		3	MIT-GATEWAYSUS	false
53.95.225.43	unknown	Germany		31399	DAIMLER-ASITIGNGlobalNetworkDE	false
156.92.39.26	unknown	United States		10695	WAL-MARTUS	false
108.69.103.251	unknown	United States		7018	ATT-INTERNET4US	false
48.188.11.242	unknown	United States		2686	ATGS-MMD-ASUS	false
141.61.172.159	unknown	Germany		680	DFNVerein zur Foerderung eines Deutschen Forschungsnetzes	false
249.224.32.81	unknown	Reserved		unknown	unknown	false
89.191.53.233	unknown	Ireland		34912	IFN-ASIE	false
203.175.15.185	unknown	Hong Kong		132422	TELECOM-HKHongKongTelecomGlobalDataCentreHK	false
70.53.164.81	unknown	Canada		577	BACOMCA	false
185.93.212.192	unknown	Austria		5405	CSO_NETAT	false
80.129.10.249	unknown	Germany		3320	DTAGInternetServiceprovideroperationsDE	false
48.188.58.235	unknown	United States		2686	ATGS-MMD-ASUS	false
101.128.154.220	unknown	Japan		2497	IJInternetInitiativeJapanIncJP	false
212.200.150.44	unknown	Serbia		8400	TELEKOM-ASRS	false
101.25.171.135	unknown	China		4837	CHINA169-BACKBONECHINAUNICOMChina169BackboneCN	false
252.233.82.244	unknown	Reserved		unknown	unknown	false
195.240.221.173	unknown	Netherlands		1136	KPNKPNNationalEU	false
90.229.219.156	unknown	Sweden		3301	TELIA.NET-SWEDENTeliaCompanySE	false
217.204.215.106	unknown	United Kingdom		4589	EASYNETEasynetGlobalServicesEU	false
53.175.161.109	unknown	Germany		31399	DAIMLER-ASITIGNGlobalNetworkDE	false
109.145.152.50	unknown	United Kingdom		2856	BT-UK-ASBTnetUKRegionalnetworkGB	false
192.197.244.49	unknown	Canada		40119	NAITCA	false
187.245.174.172	unknown	Mexico		13999	MegaCableSadeCVMX	false
122.132.163.153	unknown	Japan		2518	BIGLOBEBIGLOBEIncJP	false
140.251.58.29	unknown	United States		20252	JSIWMCUS	false
93.2.49.28	unknown	France		15557	LDCOMNETFR	false
123.26.120.242	unknown	Viet Nam		45899	VNPT-AS-VNVNPTCorpVN	false
136.236.253.143	unknown	United States		55836	RELIANCEJIO-InfoRelianceJioInfocommLimitedIN	false
105.34.73.29	unknown	Egypt		37069	MOBINILEG	false

IP	Domain	Country	Flag	ASN	ASN Name	Malicious
117.124.229.145	unknown	China		7641	CHINABTNCChinaBroadcastingTVNetCN	false
170.80.238.157	unknown	Brazil		264900	RJNETTelecomunicacoesLtdaMEBR	false
79.206.197.157	unknown	Germany		3320	DTAGInternetServiceProviderOperationsDE	false
83.216.89.97	unknown	United Kingdom		29009	UKBROADBAND-ASGB	false
47.148.154.31	unknown	United States		5650	FRONTIER-FRTRUS	false
145.184.172.234	unknown	Netherlands		59524	KPN-IAASN	false
202.39.18.22	unknown	Taiwan; Republic of China (ROC)		3462	HINETDataCommunicationBusinessGroupTW	false
9.58.225.2	unknown	United States		3356	LEVEL3US	false
118.140.192.89	unknown	Hong Kong		9304	HUTCHISON-AS-APHGCGlobalCommunicationsLimitedHK	false
58.249.118.249	unknown	China		17622	CNCGROUP-GZChinaUnicomGuangzhouNetworkCN	false
80.157.211.142	unknown	Germany		3320	DTAGInternetServiceProviderOperationsDE	false
157.176.156.215	unknown	United States		22192	SSHENETUS	false
34.139.83.202	unknown	United States		2686	ATGS-MMD-ASUS	false
106.83.177.81	unknown	China		4134	CHINANET-BACKBONENo31JinrongStreetCN	false
38.89.199.238	unknown	United States		174	COGENT-174US	false
205.162.26.114	unknown	United States		1239	SPRINTLINKUS	false
85.135.185.167	unknown	Slovakia (SLOVAK Republic)		8257	SLOVANET-BROADBANDhttpwwwslovanetnetSK	false
5.195.158.253	unknown	United Arab Emirates		5384	EMIRATES-INTERNETEmiratesInternetAE	false
70.177.73.27	unknown	United States		22773	ASN-CXA-ALL-CCI-22773-RDCUS	false
183.9.56.234	unknown	China		4134	CHINANET-BACKBONENo31JinrongStreetCN	false
245.20.165.139	unknown	Reserved		unknown	unknown	false
2.135.247.76	unknown	Kazakhstan		9198	KAZTELECOM-ASKZ	false
116.151.71.20	unknown	China		4837	CHINA169-BACKBONECHINAUNICOMChina169BackboneCN	false
80.15.108.19	unknown	France		3215	FranceTelecom-OrangeFR	false
175.201.107.84	unknown	Korea Republic of		4766	KIXS-AS-KRKoreaTelecomKR	false
146.24.16.91	unknown	United States		197938	TRAVIANGAMESDE	false
16.229.63.233	unknown	United States		unknown	unknown	false
242.240.230.159	unknown	Reserved		unknown	unknown	false
141.1.99.63	unknown	Germany		1273	CWVodafoneGroupPLCEU	false
212.189.34.190	unknown	Netherlands		286	KPNNL	false
250.203.44.27	unknown	Reserved		unknown	unknown	false
87.135.183.102	unknown	Germany		3320	DTAGInternetServiceProviderOperationsDE	false
98.103.113.20	unknown	United States		10796	TWC-10796-MIDWESTUS	false
135.1.189.43	unknown	United States		10455	LUCENT-CIOUS	false
175.252.70.19	unknown	Korea Republic of		4766	KIXS-AS-KRKoreaTelecomKR	false
73.252.98.90	unknown	United States		7922	COMCAST-7922US	false
12.155.145.176	unknown	United States		7018	ATT-INTERNET4US	false
151.193.122.24	unknown	United States		13945	PRISMTECHNOLOGIESABQUS	false
145.235.141.99	unknown	Sweden		1257	TELE2EU	false
250.6.231.16	unknown	Reserved		unknown	unknown	false
46.191.173.29	unknown	Russian Federation		24955	UBN-ASRU	false
197.251.50.171	unknown	Sudan		37197	SUDRENSD	false
161.211.117.223	unknown	United States		14513	DMACCUS	false

IP	Domain	Country	Flag	ASN	ASN Name	Malicious
152.0.229.102	unknown	Dominican Republic		6400	CompaniaDominicanadeTel efonosSADO	false
66.43.252.243	unknown	United States		5056	AUREON-5056US	false
37.96.237.17	unknown	Denmark		9158	TELENOR_DANMARK_AS DK	false
23.1.146.48	unknown	United States		6762	SEABONE- NETTELECOMITALIASPA RKLESpAIT	false
205.143.2.90	unknown	United States		30404	BSCL-11US	false
169.11.240.130	unknown	United States		203	CENTURYLINK-LEGACY- LVLT-203US	false
145.161.131.111	unknown	Netherlands		59524	KPN-IAASNL	false
115.120.47.40	unknown	China		4847	CNIX- APChinaNetworksInter- ExchangeCN	false
18.247.1.132	unknown	United States		16509	AMAZON-02US	false

Joe Sandbox View / Context

IPs

No context

Domains

No context

ASNs

No context

JA3 Fingerprints

No context

Dropped Files

No context

Created / dropped Files

No created / dropped files found

Static File Info

General

File type:

ELF 32-bit MSB executable, Motorola m68k, 68020, version 1 (SYSV), statically linked, stripped

Entropy (8bit):

6.313975001122555

TrID:

ELF Executable and Linkable format (generic) (4004/1) 100.00%

File name:

PPyJlaRy0K

File size:

61576

MD5:

6e38620768d8b3cd84319f2ee3d4235d

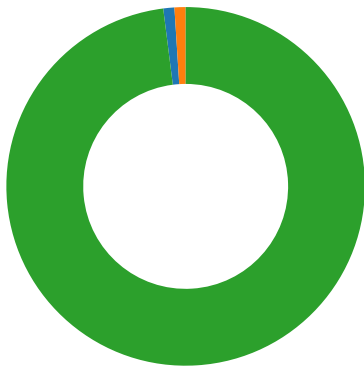
SHA1:

64a0eb90426549c47177b6d3f927a6fa7cd19cba

SHA256:

0d69d7b91837715976e968862b79a944fe3d074713ce2d80f678af5993df75ed

- 23 (Telnet)
- 80 (HTTP)
- 443 (HTTPS)



TCP Packets

System Behavior

Analysis Process: PPyJlaRy0K PID: 6234, Parent PID: 6124

General

Start time:	21:53:52
Start date:	05/08/2022
Path:	/tmp/PPyJlaRy0K
Arguments:	/tmp/PPyJlaRy0K
File size:	4463432 bytes
MD5 hash:	cd177594338c77b895ae27c33f8f86cc

File Activities

File Deleted

File Read

Directory Deleted

Analysis Process: PPyJlaRy0K PID: 6236, Parent PID: 6234

General

Start time:	21:53:56
Start date:	05/08/2022
Path:	/tmp/PPyJlaRy0K
Arguments:	n/a
File size:	4463432 bytes
MD5 hash:	cd177594338c77b895ae27c33f8f86cc

File Activities

File Read

Directory Enumerated

Analysis Process: PPyJlaRy0K PID: 6238, Parent PID: 6234

General

Start time:	21:53:56
Start date:	05/08/2022
Path:	/tmp/PPyJlaRy0K
Arguments:	n/a
File size:	4463432 bytes

MD5 hash:	cd177594338c77b895ae27c33f8f86cc
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Analysis Process: PPyJlaRy0K PID: 6239, Parent PID: 6234		—
General		—
Start time:	21:53:56	
Start date:	05/08/2022	
Path:	/tmp/PPyJlaRy0K	
Arguments:	n/a	
File size:	4463432 bytes	
MD5 hash:	cd177594338c77b895ae27c33f8f86cc	

Analysis Process: PPyJlaRy0K PID: 6243, Parent PID: 6234		—
General		—
Start time:	21:53:56	
Start date:	05/08/2022	
Path:	/tmp/PPyJlaRy0K	
Arguments:	n/a	
File size:	4463432 bytes	
MD5 hash:	cd177594338c77b895ae27c33f8f86cc	

File Activities		—
File Read		▼

Analysis Process: PPyJlaRy0K PID: 6249, Parent PID: 6243		—
General		—
Start time:	21:54:02	
Start date:	05/08/2022	
Path:	/tmp/PPyJlaRy0K	
Arguments:	n/a	
File size:	4463432 bytes	
MD5 hash:	cd177594338c77b895ae27c33f8f86cc	

File Activities		—
File Read		▼
Directory Enumerated		▼

Analysis Process: PPyJlaRy0K PID: 6251, Parent PID: 6243		—
General		—
Start time:	21:54:02	
Start date:	05/08/2022	
Path:	/tmp/PPyJlaRy0K	
Arguments:	n/a	
File size:	4463432 bytes	
MD5 hash:	cd177594338c77b895ae27c33f8f86cc	

Analysis Process: PPyJlaRy0K PID: 6253, Parent PID: 6243		—
General		—
Start time:	21:54:02	
Start date:	05/08/2022	
Path:	/tmp/PPyJlaRy0K	
Arguments:	n/a	
File size:	4463432 bytes	
MD5 hash:	cd177594338c77b895ae27c33f8f86cc	