ID: 584698
Sample Name: Mozi.m
Cookbook:
defaultlinuxfilecookbook.jbs
Time: 01:58:43
Date: 08/03/2022
Version: 34.0.0 Boulder Opal

Table of Contents

Linux Analysis Report

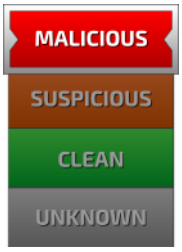
Mozi.m

Overview

General Information

Sample Name:	Mozi.m
Analysis ID:	584698
MD5:	3849f30b51a5c4..
SHA1:	61c74136534b82..
SHA256:	f6c97b1e2ed025..
Infos:	

Detection

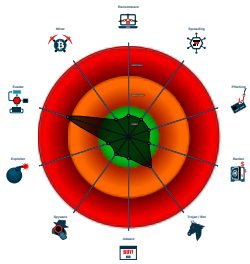


Score:	60
Range:	0 - 100
Whitelisted:	false

Signatures

- Antivirus / Scanner detection for sub…
- Multi AV Scanner detection for subm…
- Sample is packed with UPX
- Sample contains only a LOAD segm…
- Yara signature match
- Uses the "uname" system call to qu…
- Tries to connect to HTTP servers, b…

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.

Non-zero exit code suggests an error during the execution. Lookup the error code for hints.

Static ELF header machine description suggests that the sample might only run correctly on MIPS or ARM architectures.

General Information

Joe Sandbox Version:	34.0.0 Boulder Opal
Analysis ID:	584698
Start date:	08.03.2022
Start time:	01:58:43
Joe Sandbox Product:	CloudBasic
Overall analysis duration:	0h 5m 12s
Hypervisor based Inspection enabled:	false
Report type:	light
Sample file name:	Mozi.m
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:	mal60.evad.linM@0/0@0/0

Runtime Messages

Command:	/tmp/Mozi.m
Exit Code:	133
Exit Code Info:	
Killed:	False
Standard Output:	

Standard Error:	qemu: uncaught target signal 5 (Trace/breakpoint trap) - core dumped

Process Tree

- **system is lnxubuntu20**
  - Mozi.m (PID: 5223, Parent: 5119, MD5: 0d6f61f82cf2f781c6eb0661071d42d9) Arguments: /tmp/Mozi.m
- **cleanup**

Yara Signatures

Initial Sample

Source	Rule	Description	Author	Strings
Mozi.m	SUSP_ELF_LNX_UPX_Compressed_File	Detects a suspicious ELF binary with UPX compression	Florian Roth	• 0x20ec8:$s1: PROT_EXEC\|PROT_WRITE failed. • 0x20f37:$s2: $Id: UPX • 0x20ee8:$s3: $Info: This file is packed with the UPX executable packer

Memory Dumps

Source	Rule	Description	Author	Strings
5223.1.00000000a9257ffb.0000000069d4eb3c.r-x.sdmp	SUSP_ELF_LNX_UPX_Compressed_File	Detects a suspicious ELF binary with UPX compression	Florian Roth	• 0x20ec8:$s1: PROT_EXEC\|PROT_WRITE failed. • 0x20f37:$s2: $Id: UPX • 0x20ee8:$s3: $Info: This file is packed with the UPX executable packer

Joe Sandbox Signatures

AV Detection

Antivirus / Scanner detection for submitted sample

Multi AV Scanner detection for submitted file

Data Obfuscation

Sample is packed with UPX

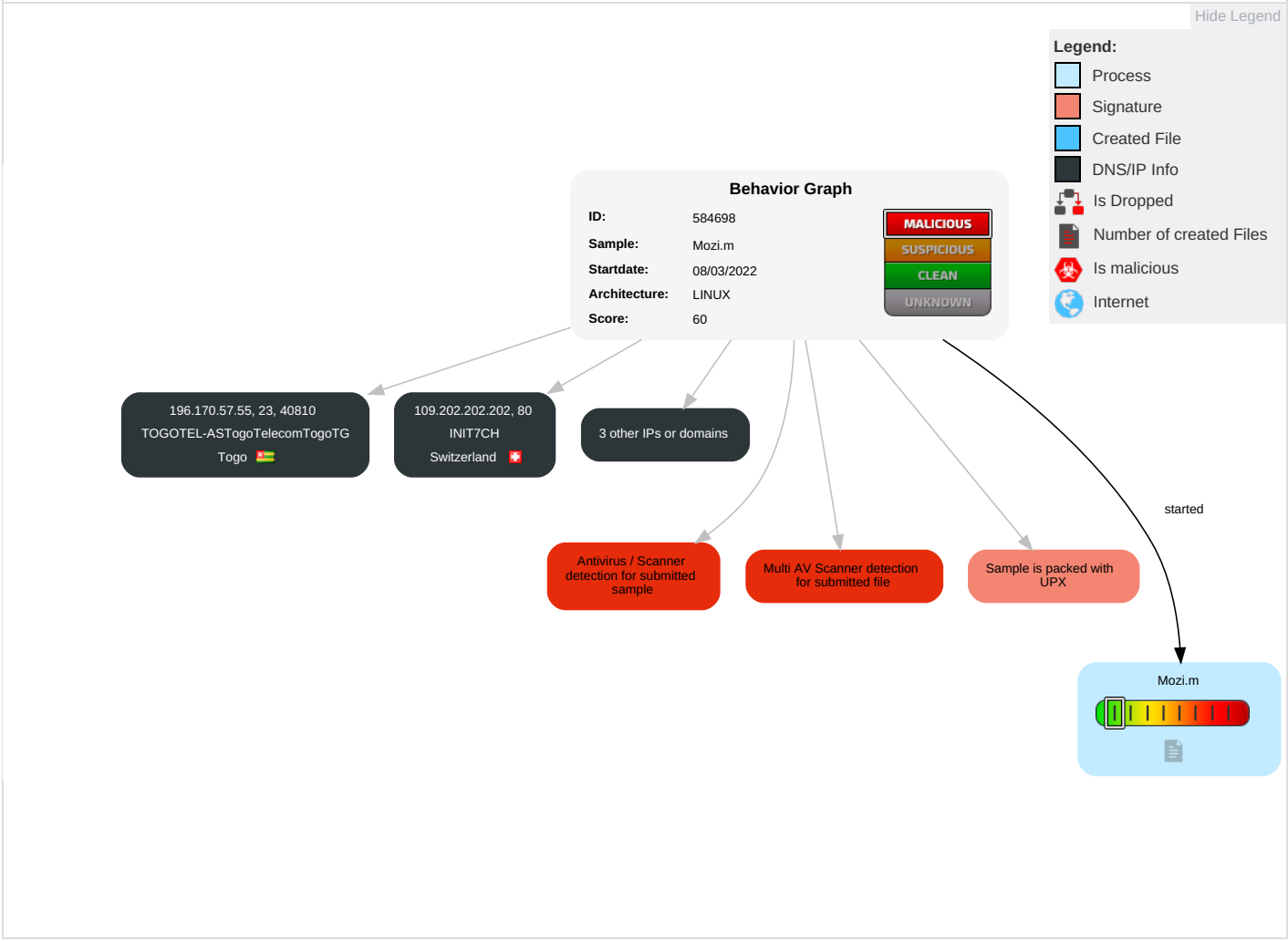
Mitre Att&ck Matrix

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

Malware Configuration

No configs have been found

Behavior Graph



Antivirus, Machine Learning and Genetic Malware Detection

Initial Sample

Source	Detection	Scanner	Label	Link
Mozi.m	65%	Virustotal		Browse
Mozi.m	49%	Metadefender		Browse
Mozi.m	70%	ReversingLabs	Linux.Trojan.Mirai	
Mozi.m	100%	Avira	LINUX/Mirai.trcie	

Dropped Files

No Antivirus matches

Domains

No Antivirus matches

URLs

No Antivirus matches

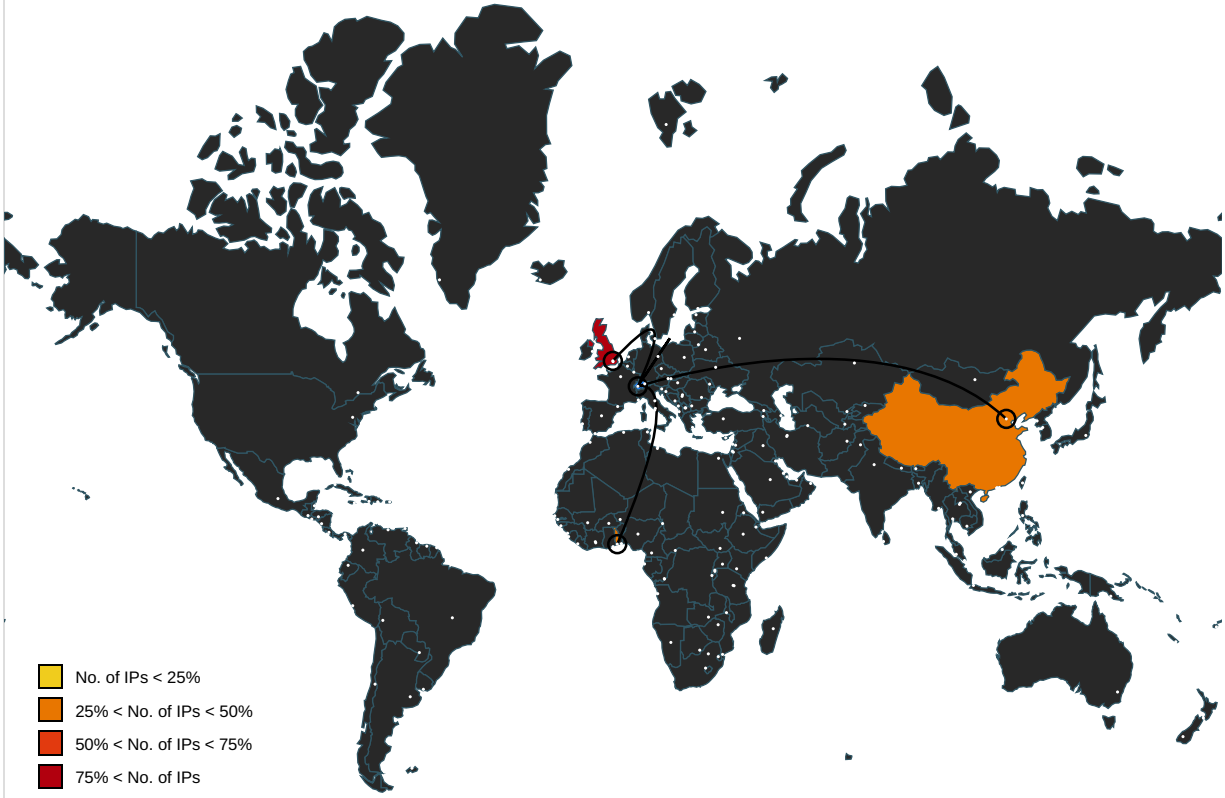
Domains and IPs

Contacted Domains

No contacted domains info

URLs from Memory and Binaries

World Map of Contacted IPs



Public IPs

IP	Domain	Country	Flag	ASN	ASN Name	Malicious
196.170.57.55	unknown	Togo		24691	TOGOTEL-ASTogoTelecomTogoTG	false
109.202.202.202	unknown	Switzerland		13030	INIT7CH	false
91.189.91.43	unknown	United Kingdom		41231	CANONICAL-ASGB	false
91.189.91.42	unknown	United Kingdom		41231	CANONICAL-ASGB	false
111.26.81.99	unknown	China		134810	CMNET-JILIN-AS-APChinaMobileGroupJiLincommunicationsco	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 LSB executable, MIPS, MIPS-I version 1 (SYSV), statically linked, stripped
Entropy (8bit):	7.812868686187402
TrID:	• ELF Executable and Linkable format (generic) (4004/1) 100.00%
File name:	Mozi.m
File size:	137480
MD5:	3849f30b51a5c49e8d1546960cc206c7
SHA1:	61c74136534b826059c63221a2373dc0613a47b7
SHA256:	f6c97b1e2ed02578ca1066c8235ba4f991e645f89012406c639dbccc6582eec8
SHA512:	43d79293d1fbf716111c27e50df95a0860a0d706079625fa2b8a6b57c5ee06fa7b5b6b8c0acae33714a2181686426728513c990534e44b6f03a05dde0629ab86
SSDEEP:	3072:biMYFJvw6Yh0b1gKobtCGCmCRlrisfrYm:fYFJvwe1gKCYVl2szN
File Content Preview:	.ELF.....p.B.4.....4. ...(.....@...@.....C...C...../.....UPX!0.....]........?d..ELF.....`.@.....4.p..... ...(.....-....@.....n'.....H..._....=..Q.td.....@.....

Static ELF Info

ELF header

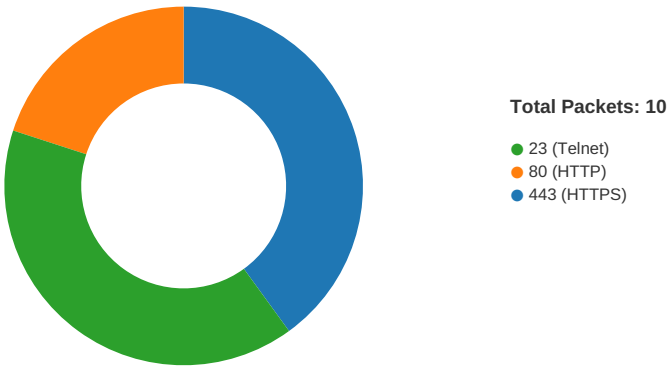
Class:	ELF32
Data:	2's complement, little endian
Version:	1 (current)
Machine:	MIPS R3000
Version Number:	0x1
Type:	EXEC (Executable file)
OS/ABI:	UNIX - System V
ABI Version:	0
Entry Point Address:	0x420d70
Flags:	0x1007
ELF Header Size:	52
Program Header Offset:	52
Program Header Size:	32
Number of Program Headers:	2
Section Header Offset:	0
Section Header Size:	40
Number of Section Headers:	0
Header String Table Index:	0

Program Segments

Type	Offset	Virtual Address	Physical Address	File Size	Memory Size	Entropy	Flags	Flags Description	Align	Prog Interpreter	Section Mappings
LOAD	0x0	0x400000	0x400000	0x21796	0x21796	4.4405	0x5	R E	0x10000		
LOAD	0x0	0x430000	0x430000	0x0	0x92f18	0.0000	0x6	RW	0x10000		

Network Behavior

Network Port Distribution



TCP Packets

System Behavior

Analysis Process: Mozi.m PID: 5223, Parent PID: 5119

General

Start time:	01:59:27
Start date:	08/03/2022
Path:	/tmp/Mozi.m
Arguments:	/tmp/Mozi.m
File size:	5773336 bytes
MD5 hash:	0d6f61f82cf2f781c6eb0661071d42d9

File Activities

File Read