

JOeSandbox Cloud BASIC



ID: 829688

Sample Name: foxhAjDt.elf

Cookbook:

defaultlinuxfilecookbook.jbs

Time: 21:15:10

Date: 18/03/2023

Version: 37.0.0 Beryl

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Linux Analysis Report

foxAjDt.elf

Overview

General Information

Sample Name:	foxAjDt.elf
Analysis ID:	829688
MD5:	7de222fa7927d...
SHA1:	15404b19eda9...
SHA256:	d9bd1932dad0...
Tags:	elf
Infos:	

Detection

MALICIOUS

SUSPICIOUS

CLEAN

UNKNOWN

Score:	2
Range:	0 - 100
Whitelisted:	false

Signatures

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...

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

General Information

Joe Sandbox Version:	37.0.0 Beryl
Analysis ID:	829688
Start date and time:	2023-03-18 21:15:10 +01:00
Joe Sandbox Product:	CloudBasic
Overall analysis duration:	0h 5m 8s
Hypervisor based Inspection enabled:	false
Report type:	light
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
Sample file name:	foxAjDt.elf
Detection:	CLEAN
Classification:	clean2.linELF@0/0@0/0

Runtime Messages

Command:	/tmp/foxAjDt.elf
PID:	6227
Exit Code:	0
Exit Code Info:	
Killed:	False
Standard Output:	
Standard Error:	

Process Tree

- system is Inxubuntu20
- foxhAjDt.elf (PID: 6227, Parent: 6126, MD5: 5ebfcae4fe2471fcc5695c2394773ff1) Arguments: /tmp/foxhAjDt.elf
 - foxhAjDt.elf New Fork (PID: 6229, Parent: 6227)
- cleanup

Yara Signatures

 No yara matches

Snort Signatures

 No Snort rule has matched

Joe Sandbox Signatures

There are no malicious signatures, [click here to show all signatures](#).

Mitre Att&ck Matrix

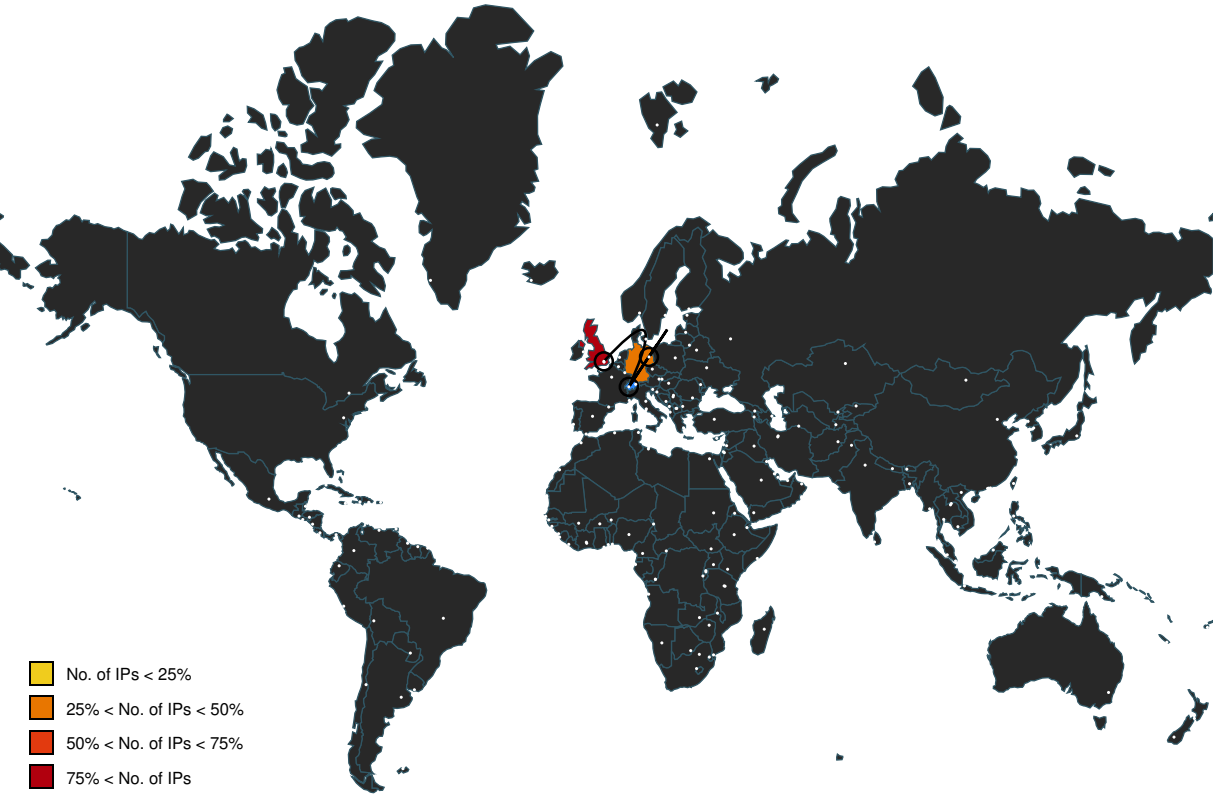
Initial Access	Execution	Persistence	Privilege Escalation	Defense Evasion	Credential Access	Discovery	Lateral Movement	Collection	Exfiltration	Command and Control	Network Effects	Remote Service Effects	Impact
Valid Accounts	Windows Management Instrumentation	Path Interception	Path Interception	Direct Volume Access	 OS Credential Dumping	  Security Software Discovery	Remote Services	Data from Local System	Exfiltration Over Other Network Medium	 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	 Non-Standard Port	Exploit SS7 to Redirect Phone Calls/SMS	Remotely Wipe Data Without Authorization	Device Lockout
Domain Accounts	At (Linux)	Logon Script (Windows)	Logon Script (Windows)	Obfuscated Files or Information	Security Account Manager	Query Registry	SMB/Windows Admin Shares	Data from Network Shared Drive	Automated Exfiltration	 Application Layer Protocol	Exploit SS7 to Track Device Location	Obtain Device Cloud Backups	Delete Device Data

Malware Configuration

 No configs have been found

Behavior Graph

World Map of Contacted IPs



Public IPs

IP	Domain	Country	Flag	ASN	ASN Name	Malicious
109.202.202.202	unknown	Switzerland		13030	INIT7CH	false
193.35.18.163	unknown	Germany		41865	BIALLNET-ASPL	false
91.189.91.43	unknown	United Kingdom		41231	CANONICAL-ASGB	false
91.189.91.42	unknown	United Kingdom		41231	CANONICAL-ASGB	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, ARM, EABI5 version 1 (SYSV), statically linked, for GNU/Linux 3.2.0, stripped
Entropy (8bit):	6.043235002426273
TrID:	ELF Executable and Linkable format (generic) (4004/1) 100.00%
File name:	foxhAjDt.elf
File size:	1243604
MD5:	7de222fa7927d27a83d855608d8f9e6f
SHA1:	15404b19eda9a90043316ba255811e84bbb221b8
SHA256:	d9bd1932dad08061e9cfecdc42bc4cbb3eec506ab54f4d889d6ae523d8249324
SHA512:	98faa3fe286a0c0402e76b86ecad77391987557a93633cae3d13b608cf5b2f8eac168943b6878b8b734f4b2e6bc92269bd9bace136ba47df0aa8e2c508153290
SSDEEP:	24576:XdEysUzziBk0P5yfuwiP6qCU59WdTxDy8g:tVsUcgWu9
TLSH:	72452A4AF4819F65C9E536BBF25D478833461775C2EA220AAD2087343FDECAE0E79741
File Content Preview:	.ELF.....(....p]..4.....4. ...(.4...4...4...`.....d]..d].....p]..p]...M...M.....7...7.....a.....8...p.....R.td.....

Static ELF Info

ELF header

Class:	
Data:	
Version:	
Machine:	
Version Number:	
Type:	
OS/ABI:	
ABI Version:	
Entry Point Address:	
Flags:	
ELF Header Size:	
Program Header Offset:	
Program Header Size:	
Number of Program Headers:	
Section Header Offset:	
Section Header Size:	
Number of Section Headers:	
Header String Table Index:	

Sections

Name	Type	Address	Offset	Size	EntSize	Flags	Flags Description	Link	Info	Align
	NULL	0x0	0x0	0x0	0x0	0x0		0	0	0
.note.ABI-tag	NOTE	0x10194	0x194	0x20	0x0	0x2	A	0	0	4
.ARM.exidx	ARM_EXIDX	0x101b4	0x1b4	0x4228	0x0	0x82	AL	10	0	4
.rel.dyn	REL	0x143dc	0x43dc	0x8	0x8	0x42	AI	0	19	4
.rodata	PROGBITS	0x143e8	0x43e8	0x1c898	0x0	0x32	AMS	0	0	8
.ARM.extab	PROGBITS	0x30c80	0x20c80	0x4d34	0x0	0x2	A	0	0	4
__libc_IO_vtbl es	PROGBITS	0x359b4	0x259b4	0x39c	0x0	0x2	A	0	0	4
__libc_atexit	PROGBITS	0x35d50	0x25d50	0x4	0x0	0x2	A	0	0	4
.eh_frame_hdr	PROGBITS	0x35d54	0x25d54	0xc	0x0	0x2	A	0	0	4
.eh_frame	PROGBITS	0x35d60	0x25d60	0x4	0x0	0x2	A	0	0	4

Name	Type	Address	Offset	Size	EntSize	Flags	Flags Description	Link	Info	Align
.text	PROGBITS	0x45d70	0x25d70	0x104d64	0x0	0x6	AX	0	0	16
.init	PROGBITS	0x14aad4	0x12aad4	0xc	0x0	0x6	AX	0	0	4
.fini	PROGBITS	0x14aae0	0x12aae0	0x8	0x0	0x6	AX	0	0	4
.iplt	PROGBITS	0x14aaf0	0x12aaf0	0x10	0x0	0x6	AX	0	0	16
.tdata	PROGBITS	0x15ab00	0x12ab00	0x38	0x0	0x403	WAT	0	0	4
.tbss	NOBITS	0x15ab38	0x12ab38	0x38	0x0	0x403	WAT	0	0	4
.init_array	INIT_ARRAY	0x15ab38	0x12ab38	0x28	0x0	0x3	WA	0	0	4
.fini_array	FINI_ARRAY	0x15ab60	0x12ab60	0x8	0x4	0x3	WA	0	0	4
.data.rel.ro	PROGBITS	0x15ab68	0x12ab68	0x30e8	0x0	0x3	WA	0	0	8
.got	PROGBITS	0x15dc50	0x12dc50	0x648	0x0	0x3	WA	0	0	4
.data	PROGBITS	0x16e298	0x12e298	0xeac	0x0	0x3	WA	0	0	8
.tm_clone_table	PROGBITS	0x16f144	0x12f144	0x0	0x0	0x3	WA	0	0	4
.bss	NOBITS	0x16f148	0x12f144	0x52c0	0x0	0x3	WA	0	0	8
__libc_freeres_ptrs	NOBITS	0x174408	0x12f144	0x1c	0x0	0x3	WA	0	0	4
.ARM.attributes	ARM_ATTRIBUTES	0x0	0x12f144	0x2b	0x0	0x0		0	0	1
.comment	PROGBITS	0x0	0x12f16f	0x50	0x1	0x30	MS	0	0	1
.gnu.warning.pthread_attr_getstackaddr	PROGBITS	0x0	0x12f1c0	0x52	0x0	0x0		0	0	4
.gnu.warning.pthread_attr_setstackaddr	PROGBITS	0x0	0x12f214	0x52	0x0	0x0		0	0	4
.gnu.warning.sys_errlist	PROGBITS	0x0	0x12f268	0x44	0x0	0x0		0	0	4
.gnu.warning.sys_nerr	PROGBITS	0x0	0x12f2ac	0x41	0x0	0x0		0	0	4
.gnu.warning.mktemp	PROGBITS	0x0	0x12f2f0	0x44	0x0	0x0		0	0	4
.shstrtab	STRTAB	0x0	0x12f334	0x1a0	0x0	0x0		0	0	1

Program Segments											
Type	Offset	Virtual Address	Physical Address	File Size	Memory Size	Entropy	Flags	Flags Description	Align	Prog Interpreter	Section Mappings
PHDR	0x34	0x10034	0x10034	0x160	0x160	2.9369	0x4	R	0x4		
LOAD	0x0	0x10000	0x10000	0x25d64	0x25d64	4.9877	0x4	R	0x10000		.note.ABI-tag .ARM.exidx .rel.dyn .rodata .ARM.extab __libc_IO_vtables __libc_atexit .eh_frame_hdr .eh_frame
LOAD	0x25d70	0x45d70	0x45d70	0x104d90	0x104d90	6.0329	0x5	R E	0x10000		.text .init .fini .iplt
LOAD	0x12ab00	0x15ab00	0x15ab00	0x3798	0x3798	4.7289	0x6	RW	0x10000		.tdata .tbss .init_array .fini_array .data.rel.ro .got
LOAD	0x12e298	0x16e298	0x16e298	0xeac	0x618c	1.6272	0x6	RW	0x10000		.data .bss __libc_freeres_ptrs
TLS	0x12ab00	0x15ab00	0x15ab00	0x38	0x70	3.1136	0x4	R	0x4		.tdata .tbss
GNU_RELRO	0x12ab00	0x15ab00	0x15ab00	0x3798	0x4500	4.7289	0x4	R	0x1		.tdata .tbss .init_array .fini_array .data.rel.ro .got
GNU_EH_FRAME	0x25d54	0x35d54	0x35d54	0xc	0xc	1.9473	0x4	R	0x4		.eh_frame_hdr
GNU_STACK	0x0	0x0	0x0	0x0	0x0	0.0000	0x6	RW	0x0		
NOTE	0x194	0x10194	0x10194	0x20	0x20	1.5613	0x4	R	0x4		.note.ABI-tag
EXIDX	0x1b4	0x101b4	0x101b4	0x4228	0x4228	5.1719	0x4	R	0x4		.ARM.exidx

Network Behavior
Network Port Distribution

Total Packets: 13



- 2137 undefined
- 80 (HTTP)
- 443 (HTTPS)

TCP Packets



System Behavior

Analysis Process: foxhAjDt.elf PID: 6227, Parent PID: 6126



General



Start time:	21:15:56
Start date:	18/03/2023
Path:	/tmp/foxhAjDt.elf
Arguments:	/tmp/foxhAjDt.elf
File size:	4956856 bytes
MD5 hash:	5ebfcae4fe2471fcc5695c2394773ff1

File Activities



File Read



Analysis Process: foxhAjDt.elf PID: 6229, Parent PID: 6227



General



Start time:	21:15:56
Start date:	18/03/2023
Path:	/tmp/foxhAjDt.elf
Arguments:	n/a
File size:	4956856 bytes
MD5 hash:	5ebfcae4fe2471fcc5695c2394773ff1

File Activities



File Read



Directory Enumerated

