Acronis
TRU Security Day
Italy 2025

Threat research that matters now: two examples



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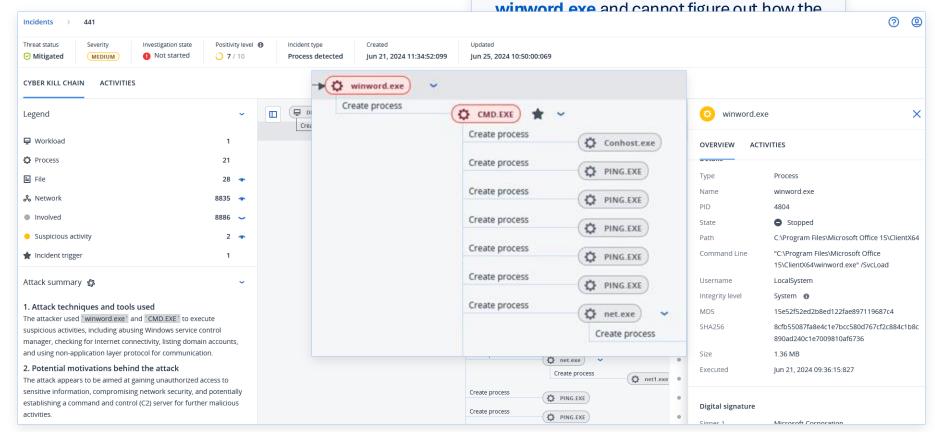


Operation WordDrone



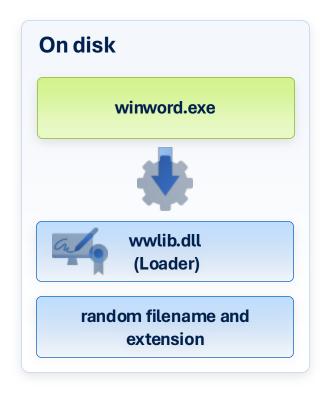
How Did It All Begin?

Hi Support, I have an incident triggered from



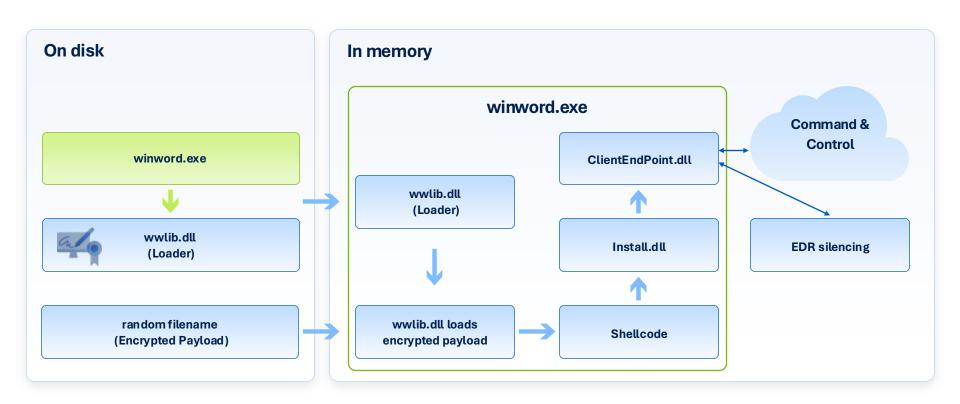


Is Anything Playing Hide and Seek?





Research Result - A Stealthy Backdoor Discovered



WordDrone Summary

Highly sophisticated targeted attack against Taiwanese Aerospace

Exploiting 10+ year old Winword via side-loading

Silencing popular EDR products



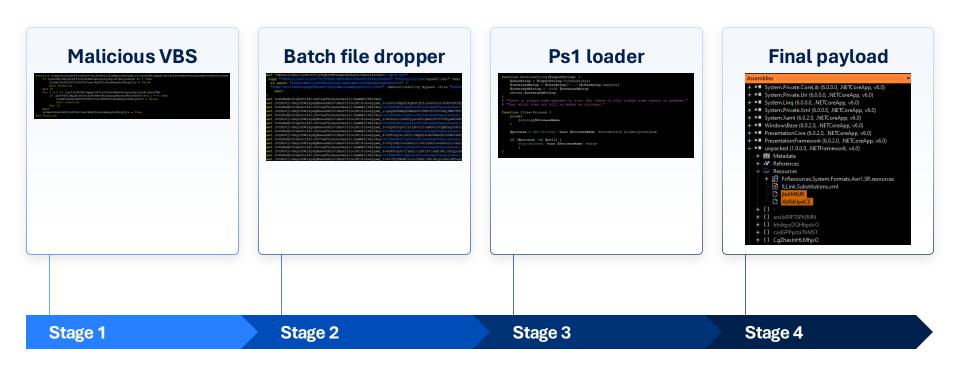
Command and Control is protected by Cloudflare, but located in Taiwan

Stealthy operation with in-memory footprint

Using a digital signature valid for 3 years



Modern modular multi-stage delivery



Deceptive email with RAR archive attachment

"Citación por embargo de cuenta.vbs"
(Summons for account garnishment)

200 KB in size with encrypted payload Heavily obfuscated
Drops Batch file





Batch (.bat) dropper
Heavily obfuscated
Constructs and runs Powershell script

Powershell script extracts and decodes final payload from the Batch

```
Function hhZmhZXzSAlBPTPInRTOnVvqnJKnBVQlaRimWxpyheUEyyOIrw(JpGEVERiOmggfcHfYytEjHwkMwwPbudgzqzNyrxnjWsjawaUDH)

If JpGEVERiOmggfcHfYytEjHwkMwwPbudgzqzNyrxnjWsjawaUDH <- 1 Then
hhZmhZXzSAlBPTPInRTOnVvqnJKnBVQlaRimWxpyheUEyyOIrw - False
Exit Function

End If

For i = 2 To Sqr(JpGEVERiOmggfcHfYytEjHwkMwwPbudgzqzNyrxnjWsjawaUDH)

If JpGEVERiOmggfcHfYytEjHwkMwwPbudgzqzNyrxnjWsjawaUDH Mod i = 0 Then
hhZmhZXzSAlBPTPInRTOnVvqnJKnBVQlaRimWxpyheUEyyOIrw - False
Exit Function

End If

Next

hZmhZXzSAlBPTPInRTOnVvqnJKnBVQlaRimWxpyheUEyyOIrw = True

End Function
```

Heavily obfuscated code.





Final Payload is an executable heavily obfuscated with custom. NET Packer

Exe is loaded indirectly into the memory via RunPE in helper dll library

Payloads are variants of DCRat backdoor or Rhadamantys infostealer



Indicators of compromise

Cross-campaign analysis

Documentation and communication

SHA256

8bed27f5b5a1f3fee9076396dfa556be72ce444e1b0bf1ee536d716939c3a974 0334ee6012ab68c0952a2b92e5977f687c2e278e6c5854554935bf344f6a6fae ecc925ef3557e4387d89ce5f16781f13c5c32ab4f30302a29cac1b54356314d0 5f5c612c93ff38130ed99ad9ed19588d1882daefcc758657011be9f430e0190c

91867671cdcf58a966621fdff772b561ac243c3644fe5d221c144b23a6c72281 1ca0cdca842cbe1861cca21207b9f1b7618339805cb4fc05d82804870c03a866 8e5ce632083c2768f38a2b42a0f199c64104697f1812180c14a78b17f115c457 e3ea95738893752aa7ffadf7ae3a2ece2c033c2000ef7579050894634e748e1d 4f902e03730c25af6634973aaf5d6615344da022846752d1fc7d602cc7907491 594e791728c001476809175296f2c30f6d72a1d8ea44a2c3b250624308a7101b 793d00f40edd3b5c80613768b4182c40cb369cfdd4d0edbdbfce1e2ecfb26540

rsDymE.vbs rsDvmE.bat

Description

rsDymE.ps1 Rhadamanthys payload aguwDI.vbs aguwDI.bat aguwDI.ps1 DCRat payload EFdYvj.bat EFdYvi.ps1 Remcos payload

Indicators of compromise.

Attacking with Nietzsche

"There is always some madness in love. But there is also always some reason in madness."

"In individuals, insanity is rare; but in groups, parties, nations, and epochs, it is the rule."

"In heaven, all the interesting people are missing."





SideWinder

(cyberserpent)

The Acronis Threat Research Unit uncovered a new Sidewinder APT campaign.

The target is high-level government institutions in Sri Lanka, Bangladesh and Pakistan.



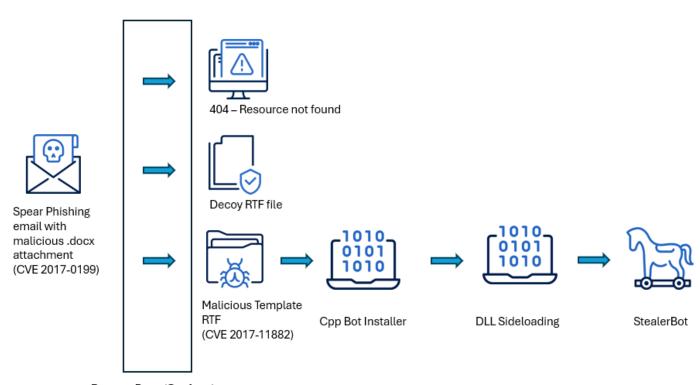






Attack kill chain





Reverse Proxy/Geofencing

Don't accept gifts from strangers

- 1. Disable Macros and External Content Loading.
- 2. Block or restrict execution of mshta.exe, wscript.exe, and powershell.exe.
- 3. Deploy behavioral detection rules.
- 4. Enforce network-level filtering.
- 5. Apply all security patches.
- 6. Use EDR/XDR solutions like Acronis.
- 7. Security Awareness Training a must.



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