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# Overview

## Description

A critical vulnerability in Progress Software's MOVEit Transfer web transfer service has been identified as being exploited by threat actors to access sensitive data and access it to a web shell, according to researchers.

## Confidence

*This value represents the confidence in the correctness of the data contained within this report.*

15 / 100

# Attack-Pattern

## Name

Exploitation of Remote Services

## ID

T1210

## Description

Adversaries may exploit remote services to gain unauthorized access to internal systems once inside of a network. Exploitation of a software vulnerability occurs when an adversary takes advantage of a programming error in a program, service, or within the operating system software or kernel itself to execute adversary-controlled code. A common goal for post-compromise exploitation of remote services is for lateral movement to enable access to a remote system. An adversary may need to determine if the remote system is in a vulnerable state, which may be done through [Network Service Discovery](<https://attack.mitre.org/techniques/T1046>) or other Discovery methods looking for common, vulnerable software that may be deployed in the network, the lack of certain patches that may indicate vulnerabilities, or security software that may be used to detect or contain remote exploitation. Servers are likely a high value target for lateral movement exploitation, but endpoint systems may also be at risk if they provide an advantage or access to additional resources. There are several well-known vulnerabilities that exist in common services such as SMB (Citation: CIS Multiple SMB Vulnerabilities) and RDP (Citation: NVD CVE-2017-0176) as well as applications that may be used within internal networks such as MySQL (Citation: NVD CVE-2016-6662) and web server services.(Citation: NVD CVE-2014-7169) Depending on the permissions level of the vulnerable remote service an adversary may achieve [Exploitation for Privilege Escalation](<https://attack.mitre.org/techniques/T1068>) as a result of lateral movement exploitation as well.

# Indicator

## Name

3c0dbda8a5500367c22ca224919bfc87d725d890756222c8066933286f26494c

## Pattern Type

stix

## Pattern

[file:hashes!'SHA-256' =  
'3c0dbda8a5500367c22ca224919bfc87d725d890756222c8066933286f26494c']

## Name

2413b5d0750c23b07999ec33a5b4930be224b661aaf290a0118db803f31acbc5

## Pattern Type

stix

## Pattern

[file:hashes!'SHA-256' =  
'2413b5d0750c23b07999ec33a5b4930be224b661aaf290a0118db803f31acbc5']

## Name

929bf317a41b187cf17f6958c5364f9c5352003edca78a75ee33b43894876c62

**Pattern Type**

stix

**Pattern**

[file:hashes!'SHA-256' =  
'929bf317a41b187cf17f6958c5364f9c5352003edca78a75ee33b43894876c62']

**Name**

f3543cd16de13214124bd7c91033c3cd3bbcf6587871257e699fd89df96fd86f

**Pattern Type**

stix

**Pattern**

[file:hashes!'SHA-256' =  
'f3543cd16de13214124bd7c91033c3cd3bbcf6587871257e699fd89df96fd86f']

**Name**

bdd4fa8e97e5e6eaaac8d6178f1cf4c324b9c59fc276fd6b368e811b327ccf8b

**Pattern Type**

stix

**Pattern**

[file:hashes!'SHA-256' =  
'bdd4fa8e97e5e6eaaac8d6178f1cf4c324b9c59fc276fd6b368e811b327ccf8b']

**Name**

5b566de1aa4b2f79f579cdac6283b33e98fdc8c1cfa6211a787f8156848d67ff

**Pattern Type**

stix

**Pattern**

[file:hashes!'SHA-256' =  
'5b566de1aa4b2f79f579cdac6283b33e98fdc8c1cfa6211a787f8156848d67ff']

**Name**

348e435196dd795e1ec31169bd111c7ec964e5a6ab525a562b17f10de0ab031d

**Pattern Type**

stix

**Pattern**

[file:hashes!'SHA-256' =  
'348e435196dd795e1ec31169bd111c7ec964e5a6ab525a562b17f10de0ab031d']

**Name**

165.227.147.215

**Description**

```
**ISP:** DigitalOcean, LLC **OS:** None ----- Hostnames:
----- Domains: ----- Services: **22:** ~~~ SSH-2.0-
OpenSSH_8.6 Key type: ssh-rsa Key:
AAAAB3NzaC1yc2EAAAADAQABAAQgQDFLCwuzgrpQB+tDpsL/
567wrQLjwGhbc+8pq+0Sq1F2HGZ gep2mtlXZaNCAe77z/
Ey1Rt7Ybl4TqC7TbUY9yPp9P71bqISik+VAfsFs1tG8oHFQkIFM0gPK9/Q
FEO54CZ7f1AxcCnIXxAy8CzGGGoHtVMKAMn1WuNitBpZGLucDp6DX++n2+g3YqOmlneHf1HQKMJ+E
B3hJx1GKd43LFQp47vBlBx6LRzWlflqaJQQkPHyHW6eW+FiK5WYouzKsC3R5BRLCBjYckqu3Tvy2
4Uuk//uYPGK/hDa+t3nlf7Lz9qf7fdmIWDN4CWMJUFzEtSDkU5fSXDIKKJ5oSaiT5ecoVGzrgMHL
AsLFVZhb12Rv2UBqW0ILyDdoOMo+tEhRDIPlnsbVxl59ysUHYMc5sH/YtrRjNO8xwPcAHwl4069+
21FdjRpK2JVkZgDAW95ZDWh2fnFWqQaJIKOUaYginc6AFh1ue90CaazS03uF/Xkq0QKuB2jnT0hW
jYUURga76us= Fingerprint: d9:d6:3a:6b:2d:38:98:01:9e:ac:a2:29:4e:d4:cf:f4 Kex Algorithms:
curve25519-sha256 curve25519-sha256@libssh.org ecdh-sha2-nistp256 ecdh-sha2-nistp384
ecdh-sha2-nistp521 diffie-hellman-group-exchange-sha256 diffie-hellman-group16-sha512
diffie-hellman-group18-sha512 diffie-hellman-group14-sha256 Server Host Key Algorithms:
ecdsa-sha2-nistp256 ssh-ed25519 rsa-sha2-512 rsa-sha2-256 ssh-rsa Encryption Algorithms:
chacha20-poly1305@openssh.com aes128-ctr aes192-ctr aes256-ctr aes128-
gcm@openssh.com aes256-gcm@openssh.com MAC Algorithms: umac-64-
etm@openssh.com umac-128-etm@openssh.com hmac-sha2-256-etm@openssh.com
hmac-sha2-512-etm@openssh.com hmac-sha1-etm@openssh.com umac-64@openssh.com
umac-128@openssh.com hmac-sha2-256 hmac-sha2-512 hmac-sha1 Compression
Algorithms: none zlib@openssh.com ~~~ -----
```

**Pattern Type**

stix

**Pattern**

[ipv4-addr:value = '165.227.147.215']

**Name**

702421bcee1785d93271d311f0203da34cc936317e299575b06503945a6ea1e0

**Pattern Type**

stix

**Pattern**

[file:hashes!'SHA-256' =  
'702421bcee1785d93271d311f0203da34cc936317e299575b06503945a6ea1e0']

**Name**

9e89d9f045664996067a05610ea2b0ad4f7f502f73d84321fb07861348fdc24a

**Pattern Type**

stix

**Pattern**

[file:hashes!'SHA-256' =  
'9e89d9f045664996067a05610ea2b0ad4f7f502f73d84321fb07861348fdc24a']

**Name**

b9a0baf82feb08e42fa6ca53e9ec379e79fbe8362a7dac6150eb39c2d33d94ad

**Pattern Type**

stix

**Pattern**

[file:hashes!'SHA-256' =  
'b9a0baf82feb08e42fa6ca53e9ec379e79fbe8362a7dac6150eb39c2d33d94ad']

**Name**

387cee566aedbafa8c114ed1c6b98d8b9b65e9f178cf2f6ae2f5ac441082747a

**Description**

SHA256 of 44d8e68c7c4e04ed3adacb5a88450552

**Pattern Type**

stix

**Pattern**

[file:hashes!'SHA-256' =  
'387cee566aedbafa8c114ed1c6b98d8b9b65e9f178cf2f6ae2f5ac441082747a']

**Name**

6e1d3b5fcb4de48e1e06a68686817d13533f9740e315f4378bb5b9ef1fd1c7a9

**Pattern Type**

stix

**Pattern**

[file:hashes!'SHA-256' =  
'6e1d3b5fcb4de48e1e06a68686817d13533f9740e315f4378bb5b9ef1fd1c7a9']

**Name**

93137272f3654d56b9ce63bec2e40dd816c82fb6bad9985bed477f17999a47db

**Pattern Type**

stix

**Pattern**

[file:hashes!'SHA-256' =  
'93137272f3654d56b9ce63bec2e40dd816c82fb6bad9985bed477f17999a47db']

**Name**

cf23ea0d63b4c4c348865cefd70c35727ea8c82ba86d56635e488d816e60ea45

**Description**

SHA256 of b69e23cd45c8ac71652737ef44e15a34

**Pattern Type**

stix

**Pattern**

[file:hashes!'SHA-256' =  
'cf23ea0d63b4c4c348865cefd70c35727ea8c82ba86d56635e488d816e60ea45']

**Name**

ea433739fb708f5d25c937925e499c8d2228bf245653ee89a6f3d26a5fd00b7a

**Pattern Type**

stix

**Pattern**

[file:hashes!'SHA-256' =  
'ea433739fb708f5d25c937925e499c8d2228bf245653ee89a6f3d26a5fd00b7a']

**Name**

3a977446ed70b02864ef8cfa3135d8b134c93ef868a4cc0aa5d3c2a74545725b

**Pattern Type**

stix

**Pattern**

[file:hashes!'SHA-256' =  
'3a977446ed70b02864ef8cfa3135d8b134c93ef868a4cc0aa5d3c2a74545725b']

**Name**

5.252.191.103

**Description**

CC=US ASN=AS62240 Clouvider Limited

**Pattern Type**

stix

**Pattern**

[ipv4-addr:value = '5.252.191.103']

**Name**

e8012a15b6f6b404a33f293205b602ece486d01337b8b3ec331cd99ccadb562e

**Pattern Type**

stix

**Pattern**

[file:hashes!'SHA-256' =  
'e8012a15b6f6b404a33f293205b602ece486d01337b8b3ec331cd99ccadb562e']

**Name**

b1c299a9fe6076f370178de7b808f36135df16c4e438ef6453a39565ff2ec272

**Pattern Type**

stix

**Pattern**

[file:hashes!'SHA-256' =  
'b1c299a9fe6076f370178de7b808f36135df16c4e438ef6453a39565ff2ec272']

**Name**

24c7fae1b7c02ebd84cc3c78553fb3a68d0466575abea4c92b2f792b47c41ef3

**Pattern Type**

stix

**Pattern**

[file:hashes!'SHA-256' =  
'24c7fae1b7c02ebd84cc3c78553fb3a68d0466575abea4c92b2f792b47c41ef3']

**Name**

d477ec94e522b8d741f46b2c00291da05c72d21c359244ccb1c211c12b635899

**Pattern Type**

stix

**Pattern**

[file:hashes:'SHA-256' =  
'd477ec94e522b8d741f46b2c00291da05c72d21c359244ccb1c211c12b635899']

**Name**

f0d85b65b9f6942c75271209138ab24a73da29a06bc6cc4faeddc825058c09d

**Pattern Type**

stix

**Pattern**

[file:hashes:'SHA-256' =  
'f0d85b65b9f6942c75271209138ab24a73da29a06bc6cc4faeddc825058c09d']

**Name**

5.252.190.117

**Description**

CC=US ASN=AS62240 Clouvider Limited

**Pattern Type**

stix

**Pattern**

[ipv4-addr:value = '5.252.190.117']

**Name**

daaa102d82550f97642887514093c98ccd51735e025995c2cc14718330a856f4

**Pattern Type**

stix

**Pattern**

[file:hashes:'SHA-256' =  
'daaa102d82550f97642887514093c98ccd51735e025995c2cc14718330a856f4']

**Name**

5.252.190.100

**Description**

CC=US ASN=AS62240 Clouvider Limited

**Pattern Type**

stix

**Pattern**

[ipv4-addr:value = '5.252.190.100']

**Name**

d49cf23d83b2743c573ba383bf6f3c28da41ac5f745cde41ef8cd1344528c195

**Pattern Type**

stix

**Pattern**

[file:hashes:'SHA-256' =  
'd49cf23d83b2743c573ba383bf6f3c28da41ac5f745cde41ef8cd1344528c195']

**Name**

c82059564d6e7a6f56d3b1597cdf98dfc4e30a2050024bd744f12a3ef237bb5

**Pattern Type**

stix

**Pattern**

[file:hashes:'SHA-256' =  
'c82059564d6e7a6f56d3b1597cdf98dfc4e30a2050024bd744f12a3ef237bb5']

**Name**

7a8f53c4143bacd2104ccd07a6be68d76cda1a6985b8573b7735858a542178bb

**Pattern Type**

stix

**Pattern**

[file:hashes:'SHA-256' =  
'7a8f53c4143bacd2104ccd07a6be68d76cda1a6985b8573b7735858a542178bb']

**Name**

2931994f3bde59c3d9da53e0062e4d993dc6fc655a1bd325e90af6dc494ed1fa

**Pattern Type**

stix

**Pattern**

[file:hashes:'SHA-256' =  
'2931994f3bde59c3d9da53e0062e4d993dc6fc655a1bd325e90af6dc494ed1fa']

**Name**

4359ae4d416b1b2df8ad9e53c497806403a2253b7e13c03317fc08ad3b0b95bf

**Pattern Type**

stix

**Pattern**

[file:hashes:'SHA-256' =  
'4359ae4d416b1b2df8ad9e53c497806403a2253b7e13c03317fc08ad3b0b95bf']

**Name**

87ebfaf36fc7031bec477c70a86cb746811264f530d8af419767b9755e2b43e3

**Pattern Type**

stix

**Pattern**

[file:hashes!'SHA-256' =  
'87ebfaf36fc7031bec477c70a86cb746811264f530d8af419767b9755e2b43e3']

**Name**

9d1723777de67bc7e11678db800d2a32de3bcd6c40a629cd165e3f7bbace8ead

**Pattern Type**

stix

**Pattern**

[file:hashes!'SHA-256' =  
'9d1723777de67bc7e11678db800d2a32de3bcd6c40a629cd165e3f7bbace8ead']

**Name**

a1269294254e958e0e58fc0fe887ebbc4201d5c266557f09c3f37542bd6d53d7

**Pattern Type**

stix

**Pattern**

[file:hashes!'SHA-256' =  
'a1269294254e958e0e58fc0fe887ebbc4201d5c266557f09c3f37542bd6d53d7']

**Name**

fe5f8388ccea7c548d587d1e2843921c038a9f4ddad3cb03f3aa8a45c29c6a2f

**Description**

SHA256 of a85299f78ab5dd05e7f0f11ecea165ea

**Pattern Type**

stix

**Pattern**

[file:hashes!'SHA-256' =  
'fe5f8388ccea7c548d587d1e2843921c038a9f4ddad3cb03f3aa8a45c29c6a2f']

**Name**

de4ad0052c273649e0aca573e30c55576f5c1de7d144d1d27b5d4808b99619cd

**Pattern Type**

stix

**Pattern**

[file:hashes!'SHA-256' =  
'de4ad0052c273649e0aca573e30c55576f5c1de7d144d1d27b5d4808b99619cd']

**Name**

5.252.191.31

**Description**

CC=US ASN=AS62240 Clouvider Limited

**Pattern Type**

stix

**Pattern**

[ipv4-addr:value = '5.252.191.31']

**Name**

0ea05169d111415903a1098110c34cdbbd390c23016cd4e179dd9ef507104495

**Pattern Type**

stix

**Pattern**

[file:hashes:'SHA-256' =  
'0ea05169d111415903a1098110c34cdbbd390c23016cd4e179dd9ef507104495']

**Name**

3ff0719da7991a38f508e72e32412a1ee498241bf84f65e973d6e93dc8fd1f66

**Pattern Type**

stix

**Pattern**

[file:hashes:'SHA-256' =  
'3ff0719da7991a38f508e72e32412a1ee498241bf84f65e973d6e93dc8fd1f66']

**Name**

c77438e8657518221613fbce451c664a75f05beea2184a3ae67f30ea71d34f37

**Pattern Type**

stix

**Pattern**

[file:hashes:'SHA-256' =  
'c77438e8657518221613fbce451c664a75f05beea2184a3ae67f30ea71d34f37']

**Name**

209.97.137.33

**Description**

CC=GB ASN=AS14061 DIGITALOCEAN-ASN

**Pattern Type**

stix

**Pattern**

[ipv4-addr:value = '209.97.137.33']

**Name**

c56bcb513248885673645ff1df44d3661a75cfacdce485535da898aa9ba320d4

**Pattern Type**

stix

**Pattern**

[file:hashes:'SHA-256' =  
'c56bcb513248885673645ff1df44d3661a75cfacdce485535da898aa9ba320d4']

**Name**

bd45234763ef62f05d14b78c6497ed90706a271fad3b16a4ee6d99d178beedf3

**Pattern Type**

stix

**Pattern**

[file:hashes!'SHA-256' =  
'bd45234763ef62f05d14b78c6497ed90706a271fad3b16a4ee6d99d178beedf3']

**Name**

ba2cf96fc5884cd69ecfe5d73f872958159a12b02ca610223f089ee0b6c3d25d

**Pattern Type**

stix

**Pattern**

[file:hashes!'SHA-256' =  
'ba2cf96fc5884cd69ecfe5d73f872958159a12b02ca610223f089ee0b6c3d25d']

**Name**

6015fed13c5510bbb89b0a5302c8b95a5b811982ff6de9930725c4630ec4011d

**Pattern Type**

stix

**Pattern**

[file:hashes!'SHA-256' =  
'6015fed13c5510bbb89b0a5302c8b95a5b811982ff6de9930725c4630ec4011d']

**Name**

5.252.190.244

**Description**

CC=US ASN=AS62240 Clouvider Limited

**Pattern Type**

stix

**Pattern**

[ipv4-addr:value = '5.252.190.244']

**Name**

5.252.190.119

**Description**

CC=US ASN=AS62240 Clouvider Limited

**Pattern Type**

stix

**Pattern**

[ipv4-addr:value = '5.252.190.119']

**Name**

5.252.191.241

**Description**

CC=US ASN=AS62240 Clouvider Limited

**Pattern Type**

stix

**Pattern**

[ipv4-addr:value = '5.252.191.241']

**Name**

5.252.189.130

**Description**

CC=US ASN=AS62240 Clouvider Limited

**Pattern Type**

stix

**Pattern**

[ipv4-addr:value = '5.252.189.130']

**Name**

f994063b9fea6e4b401ee542f6b6d8d6d3b9e5082b5313adbd02c55dc6b4feb7

**Pattern Type**

stix

**Pattern**

[file:hashes:'SHA-256' =  
'f994063b9fea6e4b401ee542f6b6d8d6d3b9e5082b5313adbd02c55dc6b4feb7']

**Name**

5.252.189.210

**Description**

CC=US ASN=AS62240 Clouvider Limited

**Pattern Type**

stix

**Pattern**

[ipv4-addr:value = '5.252.189.210']

**Name**

3ab73ea9aebf271e5f3ed701286701d0be688bf7ad4fb276cb4fbe35c8af8409

**Pattern Type**

stix

**Pattern**

```
[file:hashes!'SHA-256' =  
'3ab73ea9aebf271e5f3ed701286701d0be688bf7ad4fb276cb4fbe35c8af8409']
```

# StixFile

## Value

929bf317a41b187cf17f6958c5364f9c5352003edca78a75ee33b43894876c62

f0d85b65b9f6942c75271209138ab24a73da29a06bc6cc4faeddc825058c09d

3a977446ed70b02864ef8cfa3135d8b134c93ef868a4cc0aa5d3c2a74545725b

3c0dbda8a5500367c22ca224919bfc87d725d890756222c8066933286f26494c

2413b5d0750c23b07999ec33a5b4930be224b661aaf290a0118db803f31acbc5

348e435196dd795e1ec31169bd111c7ec964e5a6ab525a562b17f10de0ab031d

3ff0719da7991a38f508e72e32412a1ee498241bf84f65e973d6e93dc8fd1f66

24c7fae1b7c02ebd84cc3c78553fb3a68d0466575abea4c92b2f792b47c41ef3

de4ad0052c273649e0aca573e30c55576f5c1de7d144d1d27b5d4808b99619cd

f994063b9fea6e4b401ee542f6b6d8d6d3b9e5082b5313adbd02c55dc6b4feb7

7a8f53c4143bacd2104ccd07a6be68d76cda1a6985b8573b7735858a542178bb

87ebfaf36fc7031bec477c70a86cb746811264f530d8af419767b9755e2b43e3

ba2cf96c5884cd69ecfe5d73f872958159a12b02ca610223f089ee0b6c3d25d

b1c299a9fe6076f370178de7b808f36135df16c4e438ef6453a39565ff2ec272

fe5f8388ccea7c548d587d1e2843921c038a9f4ddad3cb03f3aa8a45c29c6a2f

387cee566aedbafa8c114ed1c6b98d8b9b65e9f178cf2f6ae2f5ac441082747a

4359aead416b1b2df8ad9e53c497806403a2253b7e13c03317fc08ad3b0b95bf

3ab73ea9aebf271e5f3ed701286701d0be688bf7ad4fb276cb4fbe35c8af8409

c56bcb513248885673645ff1df44d3661a75cfacdce485535da898aa9ba320d4

5b566de1aa4b2f79f579cdac6283b33e98fdc8c1cfa6211a787f8156848d67ff

b9a0baf82feb08e42fa6ca53e9ec379e79fbe8362a7dac6150eb39c2d33d94ad

2931994f3bde59c3d9da53e0062e4d993dc6fc655a1bd325e90af6dc494ed1fa

cf23ea0d63b4c4c348865cefd70c35727ea8c82ba86d56635e488d816e60ea45

ea433739fb708f5d25c937925e499c8d2228bf245653ee89a6f3d26a5fd00b7a

bdd4fa8e97e5e6eaaac8d6178f1cf4c324b9c59fc276fd6b368e811b327ccf8b

f3543cd16de13214124bd7c91033c3cd3bbcf6587871257e699fd89df96fd86f

d477ec94e522b8d741f46b2c00291da05c72d21c359244ccb1c211c12b635899

a1269294254e958e0e58fc0fe887ebbc4201d5c266557f09c3f37542bd6d53d7

6e1d3b5fcb4de48e1e06a68686817d13533f9740e315f4378bb5b9ef1fd1c7a9

702421bcee1785d93271d311f0203da34cc936317e299575b06503945a6ea1e0

9e89d9f045664996067a05610ea2b0ad4f7f502f73d84321fb07861348fdc24a

93137272f3654d56b9ce63bec2e40dd816c82fb6bad9985bed477f17999a47db

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e8012a15b6f6b404a33f293205b602ece486d01337b8b3ec331cd99ccadb562e

0ea05169d111415903a1098110c34cdbbd390c23016cd4e179dd9ef507104495

c82059564d6e7a6f56d3b1597cdf98dfc4e30a2050024bd744f12a3ef237bb5

d49cf23d83b2743c573ba383bf6f3c28da41ac5f745cde41ef8cd1344528c195

9d1723777de67bc7e11678db800d2a32de3bcd6c40a629cd165e3f7bbace8ead

6015fed13c5510bbb89b0a5302c8b95a5b811982ff6de9930725c4630ec4011d

bd45234763ef62f05d14b78c6497ed90706a271fad3b16a4ee6d99d178beedf3

daaa102d82550f97642887514093c98ccd51735e025995c2cc14718330a856f4

# IPv4-Addr

## Value

5.252.189.130

5.252.191.241

165.227.147.215

5.252.190.117

5.252.190.100

5.252.189.210

5.252.191.103

5.252.190.244

5.252.191.31

5.252.190.119

209.97.137.33

# External References

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