

#### Targeting the **MS Exchange** Exploit

https://twitter.com/MsftSecIntel/status/1370236539427459076

DearCry Ransomware

Following initial compromise of the MS Exchange system, the attacker can execute the primary objective. From monitoring these incidents, a new family of ransomware has been detected. The threat is known as DoejoCrypt or DearCry.

## January 6, 2021

Earliest Vulnerability Detection

Earliest detection of the MS Exchange vulnerability is covered in the Outbreak report: https://fndn.fortinet.net/FortiGuard-Alert-Outbreaks/Hafnium-full/

March 11, 2021

MSFT Annoucement

https://twitter.com/MsftSecIntel/status/1370236539427459076

On March 11, Microsoft released the following announcement referring to the ransomware:

March 12, 2021

Latest Developments

https://www.fortiguard.com/threat-signal-report/3885/observed-in-the-wild-campaigns-leveraging-recent-microsoft-exchange-server-vulnerabilities-to-install-doejocrypt-dearcry-ransomware

FortiGuard Labs released the **Threat Signal** report:

exchange-server-vulnerabilities-to-install-doejocrypt-dearcry-ransomware

Fortinet Products Summary	Services	Version	Other info
FortiGate NGFW	Anti-Virus	84.00634	NGAV Detects & Blocks malware file transfers
FortiClient	Anti-Virus	84.00634	FortiClient AV real-time protection blocks ransomware file
	Anti- Ransomware	6.4	Detects & defuses the ransomware based on suspicious process behaviour
FortiEDR	EDR	SaaS	Existing behaviour detection & blocking of DoejoCrypt/DearCry ransomware activity out of the box.
FortiSandbox	Sandboxing	3.x	Existing behaviour detection of the ransomware (launching files, visible windows, etc.).
	Pre-filter	84.00634	Detected by pre-filter or scan engines, as this is a known ransomware.
FortiAl	ANN	1.066	FortiAl detects the sample as Ransomware, please see FortiAl VSA.
FortiMail FortiCASB FortiCWP	Anti-Virus	84.00634	Detected by pre-filter or scan engines, as this is a known ransomware.
FortiDeceptor	Decoy	3.x	A Deception Decoy that acts as a file server will detect the ransomware while encrypting the fake network drive share on the infected endpoint.
FortiAnalyzer	Event Handler Threat Hunting Report	6.2, 6.4	Detects indicators attributed to DearCry from Fabric products.
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### Reconnaissance

**Cyber Kill Chain** 

**FortiSIEM** 



Weaponization



FortiGuard Anti-Malware Protection

FortiGate

FortiClient

FortiEDR FortiMail

**FortiCWP** 

**FortiSandbox** 

**Version Info:** 84.00634

**Behavior Detection** 

Version Info: 3.2

**Delivery** 



FortiSandbox FortiAl FortiCASB

**Rules & Threat** 

**Hunting Report** 

5.x, 6.x

Detects indicators attributed to DearCry

from Fabric products and 3rd parties.



FortiAl

**Exploitation** 

**Version Info: 1.066** 

**Artificial Neural Networks (ANN)** 

**Link:** https://filestore.fortinet.com/fortiguard/downloads/FortiAl\_dearCry\_c6eeb14485d93f4e30fb79f3a57518fc.pdf **Other Info:** FortiAl detects as Ransomware, please see FortiAl VSA.

Link: https://filestore.fortinet.com/fortiguard/downloads/FortiSandbox\_DearCry\_Behaviour\_Report.pdf

Other Info: FortiSandbox detects the ransomware behaviours of this malware, including (1) The file tries to

**Link:** https://www.fortiguard.com/encyclopedia/virus/10009650/w32-dearcry-oge-tr-ransom

launch the original file, and (2) The executable had visible window(s).



### Installation

**FortiEDR** 



**Other Info:** Default FortiEDR and FortiXDR deployments detect and block DoejoCrypt/DearCry ransomware activity out of the box.

**Behavior Detection** 

Version Info: SaaS

FortiClient

Anti-Ransomware

**Link:** https://kb.fortinet.com/kb/microsites/microsite.do?cmd=displayKC&docType=kc&externalId=FD51766

Link: https://kb.fortinet.com/kb/microsites/microsite.do?cmd=displayKC&docType=kc&externalId=FD51764



Other Info: FortiClient Anti-ransomware engine identifies and defuses DearCry ransomware.

FortiDeceptor

Deception Lure (SMB) + Deception Decoy (file server) Version Info: 3.x

Version Info: 6.4.3

**Link:** https://kb.fortinet.com/kb/microsites/search.do?cmd=displayKC&docType=kc&externalId=FD52010 **Other Info:** A Deception Decoy that acts as a file server will detect the ransomware while encrypting the fake network drive share on the infected endpoint.

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Action

# Incident Response (Security Operations) To help customers identify and protect vulnerable, FortiAnalyzer, FortiSIEM and

FortiSOAR updates are available to raise alerts and escalate to incident response:

Analyzer / SIEM / SOAR Threat Hunting & Playbooks



— FortiAnalyzer Event Handlers & Reports

FortiAnalyzer Event Handlers & FortiAnalyzer Event Handlers & Reports

Version Info: 6.2, 6.4

Link: https://kb.fortinet.com/kb/microsites/microsite.do?cmd=displayKC&docType=kc&externalId=FD51762

Other Info: Detects indicators attributed to DearCry from across the Security Fabric products.



**SIEM Rules & Reports**