

Kaspersky[®]



ENDLESS GUNFIRE IN SOUTH KOREA

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Kaspersky Lab

SK Infosec

WHO WE ARE

Seongsu Park

Senior security researcher @ GReAT Malware research / Threat Intelligence hacked beautiful lady father of one sun

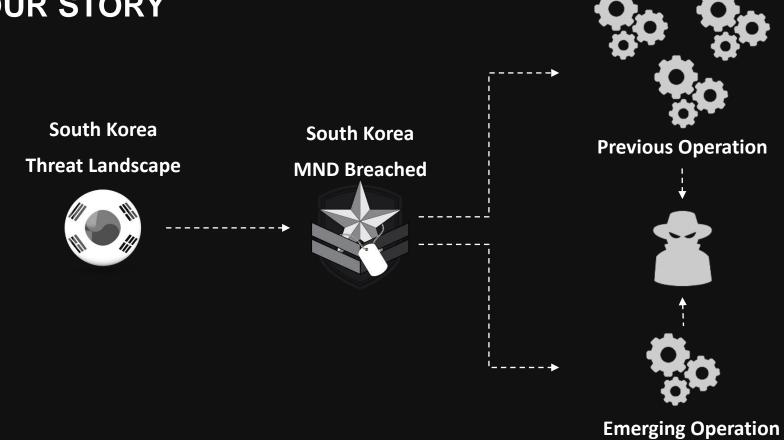
> I'm sorry he can't ----join the SAS ☺

----- Donghee Lee

COFFEE & BRUI

Incident responder @ SK Infosec Malware researcher Security developer

OUR STORY



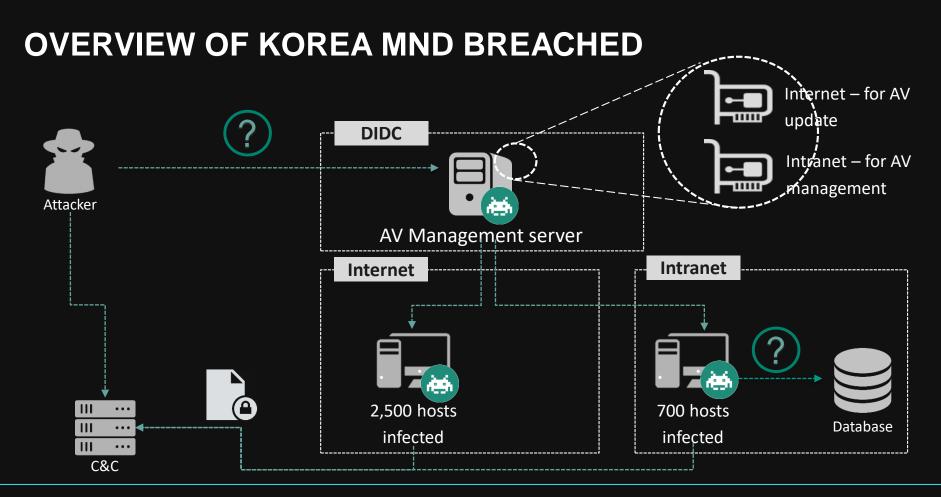
SOUTH KOREA THREAT LANDSCAPE



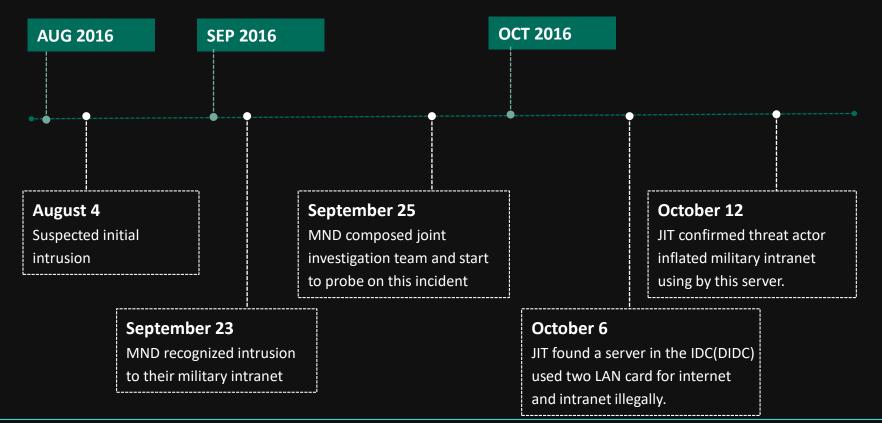
OVERVIEW OF KOREA MND BREACHED

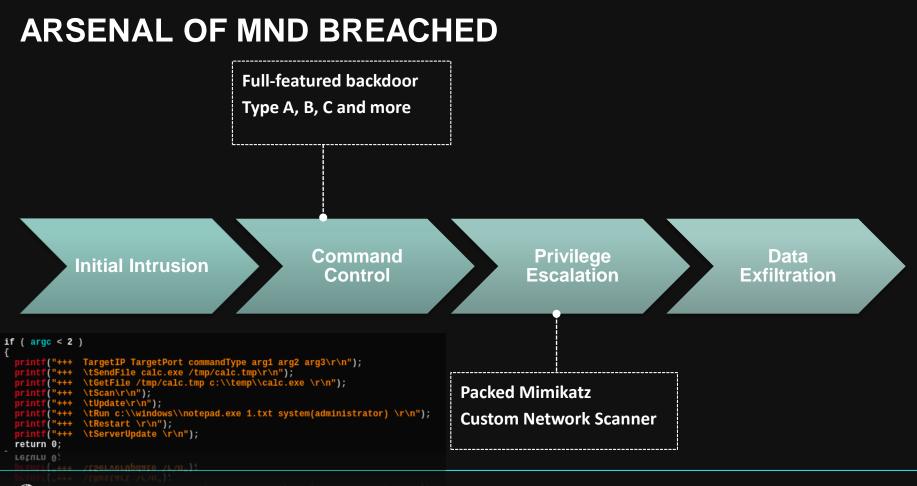
• When?

- Published by Korea MND on Dec, 2016
- Attack was on-going from Aug, 2016
- Confirmed Victim?
 - Lots of division of Korea military
- Damage?
 - Not sure
 - Some confidential data was leaked

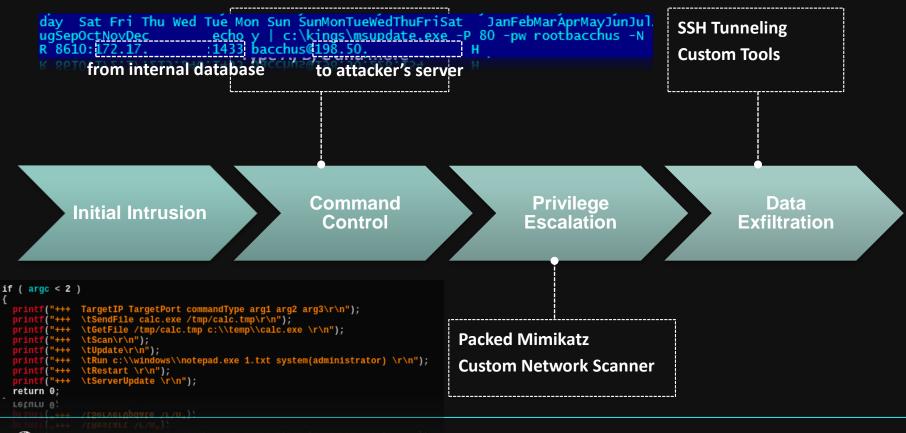


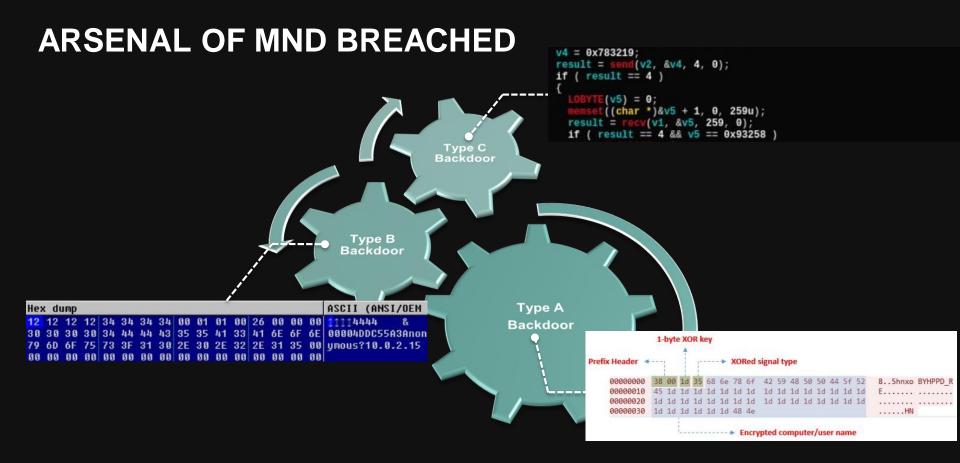
TIMELINE OF ATTACK

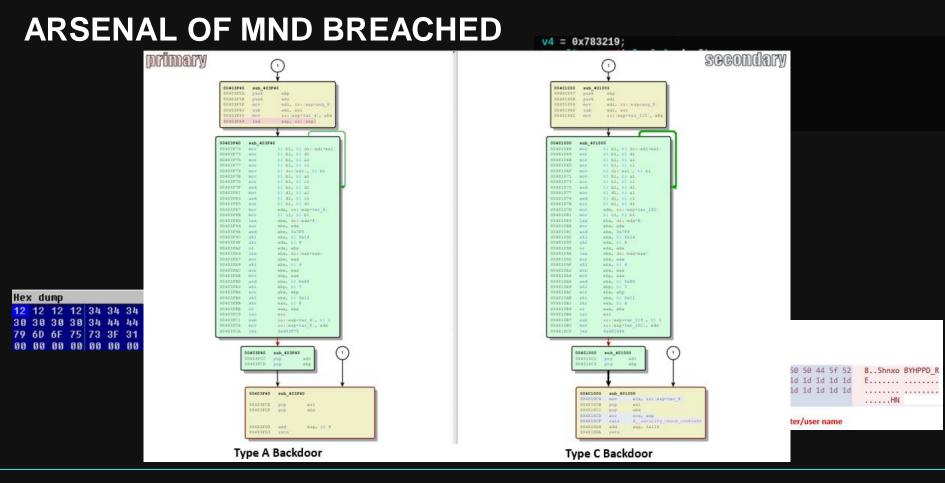




ARSENAL OF MND BREACHED







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ATTRIBUTION OF MALWARE

File naming

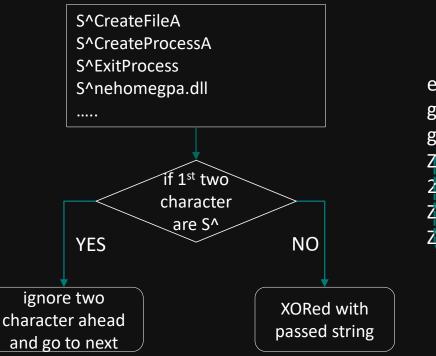
File name	S/W vendor in SK	Function of S/W
hncupdate.exe	Hancom	Word processor
fasoo.exe	Fasoo	DRM S/W
markany.exe	Markany	DRM S/W
v3log.exe	Ahnlab	Anti-virus

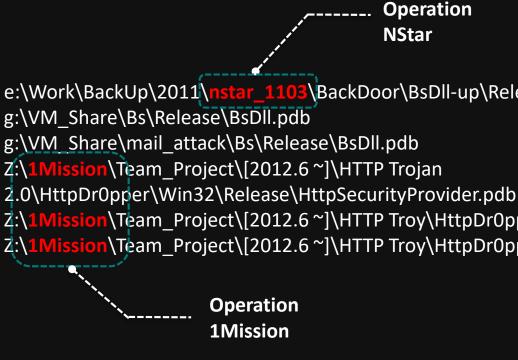
• Language of Resource

Number of PE res	ources by language			
KOREAN	1			
ENGLISH US	1			
E resources				
18bed2bce51189bbf68acc3ece4960d079d176cd959274c7555bb7558d9e56ce		data	RT_VERSION	KOREAN
49a60be4b95b6d30da355a0c124af82b35000bce8f24f957d1c09ead47544a1e		ASCII text	RT_MANIFEST	ENGLISH US

CONNECTION WITH OLD OPERATION

String de-obfuscation of Type B backdoor

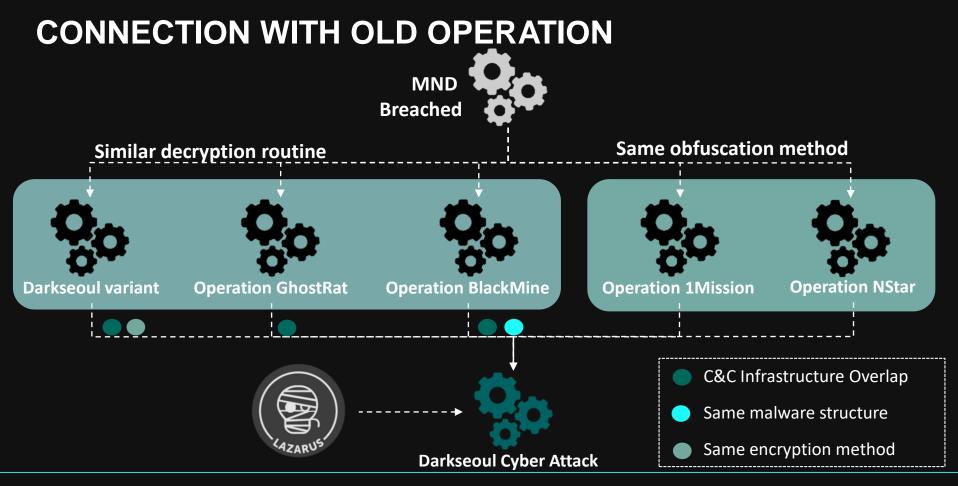




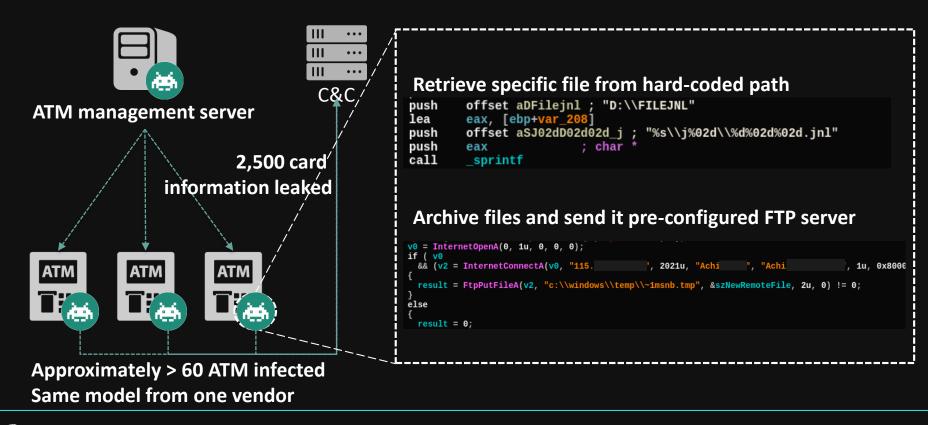
CONNECTION WITH OLD OPERATION

Decryption routine of Type A/C backdoor

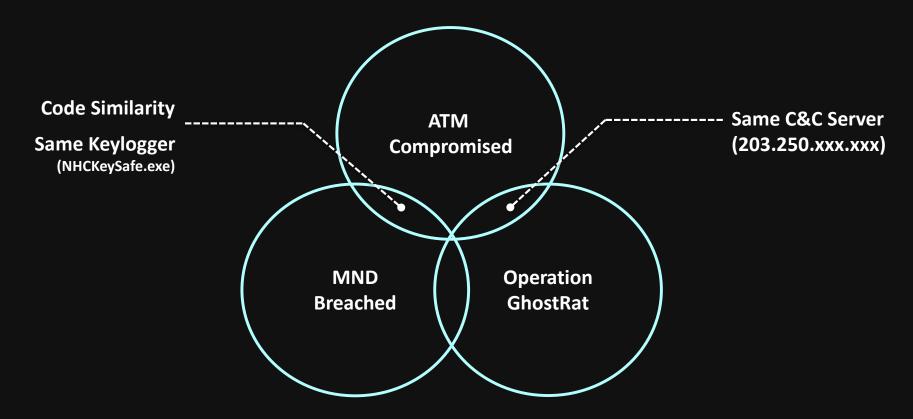




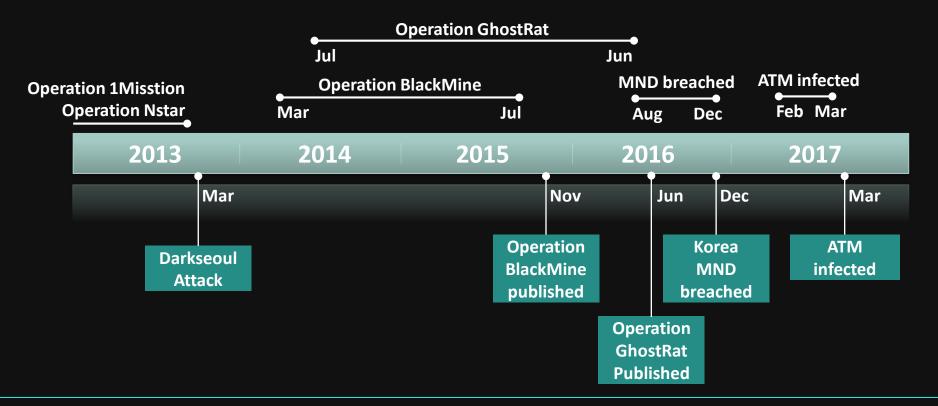
CONNECTION WITH EMERGING OPERATION



CONNECTION WITH EMERGING OPERATION



LET'S PUT THEM TOGETHER



WHO IS THEM?





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THANK YOU

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