



(군사) 사이버 전쟁상황실 방문

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Cyber showdown. A tech giant takes us inside the 247 fight to stop hack attacks. From NBC news, this is Today with Savannah Guthrie and Hoda Kotb, live from Studio 1A in Rockefeller Plaza. A real war being waged and fought in cyber space targeting the US and its allies, you and me. If you're still thinking of hackers as 20 somethings, operating in the garage or maybe a criminal gang in Eastern Europe, yes! But experts say the most successful attacks today require the kind of **sophistication** that can only be provided by nation states.

The 247 scale of the global cyber war is so big, it's hard to **fathom**. One out of every 130 emails today contains **malware** with 167 million malware attacks every 24 hours. 4000 **ransomware** attacks every day, 30 million **fragile** at login attempts. And that's just targeting Micro Soft Cloud and platforms. Every tech giant is under similar attack. Password **fraud**, **fishing emails**, malware attacks, denial of service. Sophisticated automated programs that today are often run by **hostile** governments. Russia, China and North Korea among them. It looks like the entire US is under attack.

"Those attacks that happen every single day, our customers don't see them, because we've stopped them" We are the first cameras allowed inside the Microsoft forensics lab, where they take a part infected software looking for suspect clues. And the cyber defense operation center which monitors malware attacks round the clock. It's here that they are protecting everything stored on the Cloud from family photos to corporate financial information to sensitive government data. That requires using artificial intelligence to spot **abnormal** internet traffic.

The best way to defeat real life armies of hackers is for good hackers to find the **vulnerabilities** first. That's the Red Team's job, analyzing billions of lines of software code for that one mistake that could let hackers in. "Our goal to stay ahead. In the way we stay ahead is by looking feeling and acting like hackers" The Blue Team must spot the hackers and move fast to **patch** the security hole. Hackers

often get in by guessing someone's password or by using **fishing attacks**, luring you to click on an email that looks **legit** but contains a software bug.

To show me, the team set up an email account and targeted me. "This looks like an email from Savannah Guthrie! Collect! And she is trying to direct me to a weblink. Collect" It looks like a link to a political story, but look closely. "Political" is misspelled. Would I have noticed if I were speeding reading my emails? "But if I click on it, I am infecting my computer. Your entire machine will be controlled and in real time, the attackers can now take your **credentials**" The lesson, check each email to make sure the sender's email address is **legit**. Ye, whatever you do, don't click on an email from Savannah! Just kidding! Of course, Apple, IBM, Amazon, Google, Oracle, they're also running very sophisticate Cloud security operations and all of them insist you should trust the Cloud. You simply cannot protect your own dada 247.

Autumn Leaves

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1. Cyber showdown. \_\_\_ tech giant takes us inside \_\_\_ 247 fight \_\_\_ stop hack attacks.
2. From NBC news, \_\_\_\_\_ Today \_\_\_\_\_ Savanah Guthrie \_\_\_\_\_ Hoda Kotb, live from Studio 1A \_\_\_ Rockefeller Plaza.
3. \_\_\_ real war being waged \_\_\_\_\_ fought \_\_\_ cyber space targeting \_\_\_\_\_ US \_\_\_\_\_ allies, \_\_\_\_\_ me.
4. \_\_\_\_\_'re still thinking \_\_\_ hackers \_\_\_ 20 somethings,
5. operating \_\_\_\_\_ garage or maybe \_\_\_ criminal gang \_\_\_ Eastern Europe, yes! \_\_\_\_\_
6. experts say \_\_\_\_\_ most successful attacks today require \_\_\_\_\_ kind \_\_\_ **sophistication**
7. \_\_\_\_\_ can only be provided \_\_\_ nation states.
8. \_\_\_\_\_ 247 scale \_\_\_\_\_ global cyber war \_\_\_\_\_ so big, \_\_\_\_\_ hard \_\_\_ **fathom**.
9. One out \_\_\_ every 130 emails today contains **malware**
10. \_\_\_\_\_ 167 million malware attacks every 24 hours.
11. 4000 **ransomware** attacks every day, 30 million **fragile** \_\_\_ login attempts.
12. \_\_\_\_\_'s just targeting Micro Soft Cloud \_\_\_\_\_ platforms.
13. Every tech giant \_\_\_\_\_ under similar attack.
14. Password **fraud, fishing emails**, malware attacks, denial \_\_\_ service.
15. Sophisticated automated programs \_\_\_\_\_ today \_\_\_\_\_ often run \_\_\_ **hostile** governments. Russia, China \_\_\_\_\_ North Korea among them.
16. \_\_\_\_\_ looks like \_\_\_\_\_ entire US \_\_\_\_\_ under attack.
17. " \_\_\_\_\_ attacks \_\_\_\_\_ happen every single day, our customers don't see them, because we've stopped them"
18. We \_\_\_\_\_ first cameras allowed inside \_\_\_\_\_ Microsoft forensics lab,
19. \_\_\_\_\_ take \_\_\_ part infected software looking \_\_\_\_\_ suspect clues.
20. \_\_\_\_\_ cyber defense operation center which monitors malware attacks round \_\_\_\_\_ clock.
21. \_\_\_\_\_ protecting everything stored \_\_\_\_\_ Cloud
22. from family photos \_\_\_ corporate financial information \_\_\_ sensitive government data.
23. \_\_\_\_\_ requires using artificial intelligence \_\_\_ spot **abnormal** internet traffic.
24. \_\_\_\_\_ best way \_\_\_ defeat real life armies \_\_\_ hackers \_\_\_\_\_ good hackers \_\_\_ find \_\_\_\_\_ **vulnerabilities** first.

25. \_\_\_\_\_'s \_\_\_\_\_ Red Team's job, analyzing billions \_\_\_\_\_ lines \_\_\_\_\_ software code \_\_\_\_\_ one mistake \_\_\_\_\_ could let hackers \_\_\_\_\_.
26. "Our goal \_\_\_\_\_ stay ahead. \_\_\_\_\_ way we stay ahead \_\_\_\_\_ looking feeling \_\_\_\_\_ acting like hackers"
27. \_\_\_\_\_ Blue Team must spot \_\_\_\_\_ hackers \_\_\_\_\_ move fast \_\_\_\_\_ **patch** \_\_\_\_\_ security hole.
28. Hackers often get \_\_\_\_\_ guessing someone's password or \_\_\_\_\_ using **fishing attacks**,
29. luring \_\_\_\_\_ click \_\_\_\_\_ an email \_\_\_\_\_ looks **legit** \_\_\_\_\_ contains \_\_\_\_\_ software bug.
30. \_\_\_\_\_ show me, \_\_\_\_\_ team set up an email account \_\_\_\_\_ targeted me.
31. "\_\_\_\_\_ looks like an email from Savannah Guthrie! Collect!"
32. \_\_\_\_\_ she \_\_\_\_\_ trying \_\_\_\_\_ direct me \_\_\_\_\_ weblink. Collect"
33. \_\_\_\_\_ looks like \_\_\_\_\_ link \_\_\_\_\_ political story, \_\_\_\_\_ look closely. "Political" \_\_\_\_\_ misspelled.
34. Would I \_\_\_\_\_ noticed \_\_\_\_\_ I were speeding reading my emails?
35. "\_\_\_\_\_ I click \_\_\_\_\_, I am infecting my computer.
36. Your entire machine will be controlled \_\_\_\_\_ real time, \_\_\_\_\_ attackers can now take your **credentials**"
37. \_\_\_\_\_ lesson, check each email \_\_\_\_\_ make sure \_\_\_\_\_ sender's email address \_\_\_\_\_ **legit**.
38. Ye, whatever \_\_\_\_\_ do, don't click \_\_\_\_\_ an email from Savannah! Just kidding!
39. \_\_\_\_\_ course, Apple, IBM, Amazon, Google, Oracle, \_\_\_\_\_'re also running very sophisticate Cloud security operations \_\_\_\_\_ all \_\_\_\_\_ them
40. insist \_\_\_\_\_ should trust \_\_\_\_\_ Cloud. \_\_\_\_\_ simply cannot protect your own data 247.

Autumn Leaves

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1. Cyber showdown. A tech giant takes us inside the 247 fight to stop hack attacks.  
사이버전쟁 소식입니다. 한 거대 기술회사가 해킹공격을 중지하려고 불철주야 싸우는 내부로 안내를
2. From NBC news, this is Today with Savanah Guthrie and Hoda Kotb, live from Studio 1A in Rockefeller Plaza.  
안녕하세요
3. A real war being waged and fought in cyber space targeting the US and its allies, you and me.  
미국과 우방국 그리고 당신들과 나를 겨냥한 사이버 공간에서의 진짜 전쟁이 일어나고 있습니다.
4. If you're still thinking of hackers as 20 somethings,  
만약 여러분들이 해커들이 20 대 정도라고 생각한다면
5. operating in the garage or maybe a criminal gang in Eastern Europe, yes! But  
차고에서 작업하거나, 동구권의 갱단이라고... 맞습니다. 그러나
6. experts say the most successful attacks today require the kind of **sophistication**  
전문가들은 오늘날의 가장 성공적인 공격들은 일종의 정밀함이 요구된다고 합니다.
7. that can only be provided by nation states.  
국가에서 주도해 해야만 하는...
8. The 247 scale of the global cyber war is so big, it's hard to **fathom**.  
247 규모의 지구촌 사이버 전쟁은 너무 거대하기에, 헤아리기가 어렵습니다.
9. One out of every 130 emails today contains **malware**

오늘날의 130 개의 이메일 중의 하나는 악성코드를 가지고 있습니다.

10. with 167 million malware attacks every 24 hours.  
매 24 시간마다 1 억 6 천 7 백만 악성코드의 공격이 이루어지는....
11. 4000 **ransomware** attacks every day, 30 million **fragile** at login attempts.  
매일 400 건의 랜섬웨어 공격, 그리고 3 천만이 접속시도에 취약합니다.
12. And that's just targeting Micro Soft Cloud and platforms.  
이것은 마이크로 소프트의 클라우드와 플랫폼을 겨냥을 합니다.
13. Every tech giant is under similar attack.  
모든 거대 기술기업들은 비슷한 공격을 받고 있습니다.
14. Password **fraud**, **fishing emails**, malware attacks, denial of service.  
패스워드 사기, 낚시 이메일, 악성코드 공격, 접근 금지등...
15. Sophisticated automated programs that today are often run by **hostile** governments. Russia, China and North Korea among them.  
정밀한 자동 프로그램들은 오늘날, 적성국가들에 의해 운영됩니다. 러시아, 중국, 북한이 그들입니다.
16. It looks like the entire US is under attack.  
마치 전 미국이 공격을 받는 것처럼 보입니다.
17. "Those attacks that happen every single day, our customers don't see them, because we've stopped them"  
이런 공격들은 매일 일어납니다. 우리의 고객들은 보지를 못합니다. 그 이유는 우리가 중단하기 때문
18. We are the first cameras allowed inside the Microsoft forensics lab,  
본 방송 카메라들이 처음으로 마이크로 소프트사의 법의학 실험실에 취재가 허락이 되었습니다.
19. where they take a part infected software looking for suspect clues.  
여기서는 그들이 참여하여, 감염된 소프트웨어에서 용의자의 단서들을 찾고있습니다.
20. And the cyber defense operation center which monitors malware attacks round the clock.  
그리고 사이버 안보실은 24 시간 내내 악성코드 공격을 감시합니다.
21. It's here that they are protecting everything stored on the Cloud  
여기서 그들은 클라우드에 저장된 모든 것을 보호합니다.
22. from family photos to corporate financial information to sensitive government data.  
가족사진들, 회사의 금융정보에서부터 민감한 정부의 데이터에 이르기까지 말입니다.
23. That requires using artificial intelligence to spot **abnormal** internet traffic.  
이 일은 인공지능을 이용하여 비정상적인 인터넷 트래픽을 찾아냅니다.
24. The best way to defeat real life armies of hackers is for good hackers to find the **vulnerabilities** first.  
해커들로부터 실시간으로 일련의 해커들을 분쇄하는 방법은 아군 해커들이 취약점을 먼저 발견하는...
25. That's the Red Team's job, analyzing billions of lines of software code for that one mistake that could let hackers in.  
이들은 레드팀인데, 수십억 줄의 소프트웨어 코드를 분석해서 해커들을 불러들일 수 있는 한 줄의 실수를 찾아냅니다.
26. "Our goal to stay ahead. In the way we stay ahead is by looking feeling and acting like hackers"

우리가 한 걸음 앞서가는 것이 목표입니다. 해커들처럼 보이고 행동을 하면서 우리는 앞서갑니다.

27. The Blue Team must spot the hackers and move fast to **patch** the security hole.  
블루팀은 해커들을 찾아내야 합니다. 그리고 보안의 구멍을 빨리 때웁니다.
28. Hackers often get in by guessing someone's password or by using **fishing attacks**,  
해커들은 가끔은 누군가의 패스워드를 추측으로 또는 낚시공격으로 침입합니다.
29. luring you to click on an email that looks **legit** but contains a software bug.  
여러분들은 이 메일을 클릭하도록 유혹하면서.... 합법적 이메일처럼 보이지만, 악성코드가 포함된....
30. To show me, the team set up an email account and targeted me.  
저에게 보여주기 위해, 팀이 나를 겨냥한 이메일 계정을 열었습니다.
31. "This looks like an email from Savannah Guthrie! Collect!  
이것은 Savannah Guthrie 기자로부터 온 메일처럼 보입니다. 그래요
32. And she is trying to direct me to a weblink. Collect"  
그녀는 나를 한 웹사이트로 인도하려고 합니다. 그러네요
33. It looks like a link to a political story, but look closely. "Political" is misspelled.  
이것은 마치 정치적 기사처럼 보입니다. 그러나 가까이 보면 "Political"이란 단어가 오타입니다.
34. Would I have noticed if I were speeding reading my emails?  
내가 이메일을 속독을 하면 알아차릴 수 있을까요?
35. "But if I click on it, I am infecting my computer.  
그러나 만약 제가 여기에 클릭을 하면, 내 컴퓨터는 감염이 되는 것입니다.
36. Your entire machine will be controlled and in real time, the attackers can now take your **credentials**"  
전 기계가 통제되고, 실시간으로 공격자들은 나의 인증서를 가지게 됩니다.
37. The lesson, check each email to make sure the sender's email address is **legit**.  
교훈은. 각 이메일을 체크하면서, 송신자들의 이메일이 합법적이란 것을 확인해야 합니다.
38. Ye, whatever you do, don't click on an email from Savannah! Just kidding!  
네, 무슨 일을 하든 간에 사바나의 이메일은 열지 마세요... 농담입니다.
39. Of course, Apple, IBM, Amazon, Google, Oracle, they're also running very sophisticate Cloud security operations and all of them  
물론, 애플, IBM, 아마존, 오라클 등 역시 매우 정밀한 클라우드 보안을 실시하고 있는데
40. insist you should trust the Cloud. You simply cannot protect your own dada 247.  
주장하기를 여러분들이 클라우드를 신뢰해야 한다고 합니다. 여러분들은 자신의 데이터를 불철주야 보호하지 못합니다.

Autumn Leaves

가을 낙엽