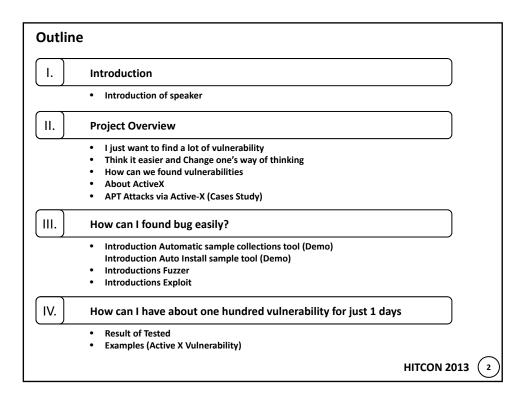
HITCON 2013 : CYBERWAR, IN HACK WE TRUST JUL. 19-20, 2013

How can I have 100 0-day for just 1-day

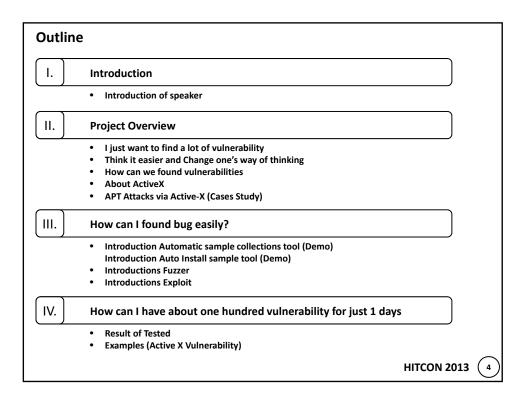
Version : Draft

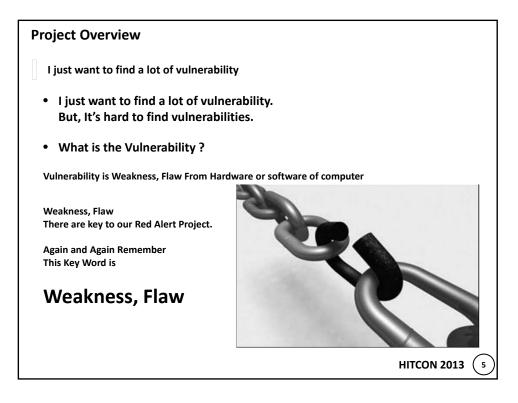
Speak by R3d4l3rt

Outlin	e
[I.]	Introduction
	Introduction of speaker
[]].	Project Overview
	 I just want to find a lot of vulnerability Think it easier and Change one's way of thinking How can we found vulnerabilities About ActiveX APT Attacks via Active-X (Cases Study)
[]]]	How can I found bug easily?
	 Introduction Automatic sample collections tool (Demo) Introduction Auto Install sample tool (Demo) Introductions Fuzzer Introductions Exploit
IV.	How can I have about one hundred vulnerability for just 1 days
	 Result of Tested Examples (Active X Vulnerability)
	HITCON 2013 (1)



Who	
Speaker	Introduction
	Louis Hur is corporate president and Chief Executive Officer (CEO) of NSHC Corporation. He co- founded NSHC with four Hackers in 2003 while studying at the University, and was the first CEO until now Mr. Louis brings more than 15 years of field-proven experience security and bug hunting businesses that help clients reduce their enterprise-wide IT security risk. Prior to starting NSHC, He is a frequent speaker on Internet security issues and has appeared as an expert on various media outlets, including HK TV and MBC, KBS. •Experience (2010 ~ 2013) - 2013 Vulnerability Analysis of NSHC's R3d4l3rt Teams. (Discovered 0-day many times.) - 2011 Black-Hat Abu Dhabi Speaker - 2010 CSO Conference Speaker
	He is working the new vulnerability analysis and bug hunting, mobile security research in NSHC Red Alert Team. Also He is currently serving for Security Response Center at NSHC Company and responsible for malicious code analysis and anti-virus products. He is a frequent speaker on Internet security issues and has appeared as an expert on various media outlets, including MBC, KBS, JTBC. Experience (2010 ~ 2013) - 2013 Vulnerability Analysis of NSHC's R3d4l3rt Teams. (Discovered 0-day many times.) - 2012 CSO Conference Speaker in KOREA - 2011 Army Investigation Division served as an instructor

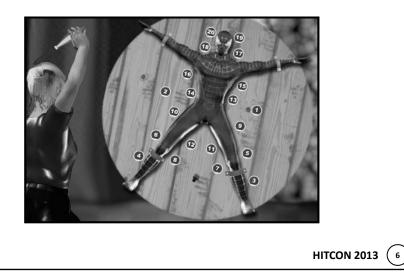


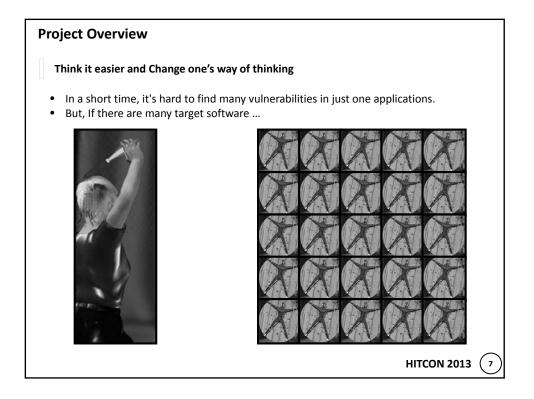


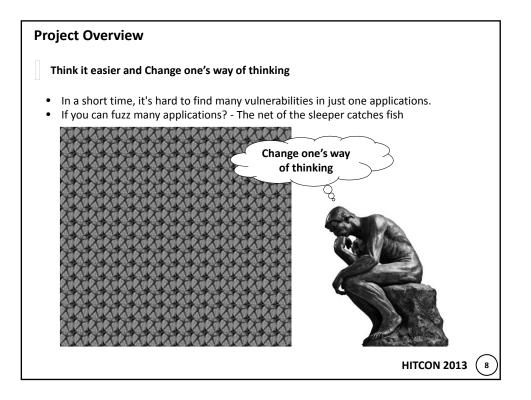
Project Overview

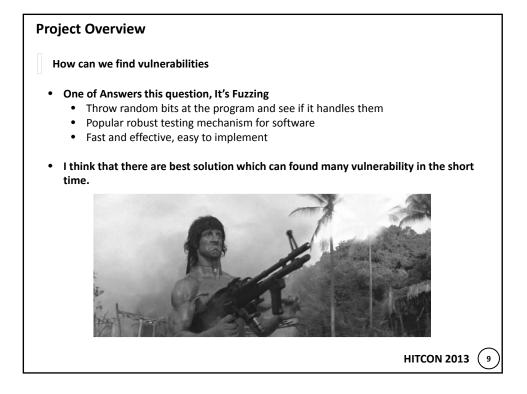
Think it easier and Change one's way of thinking

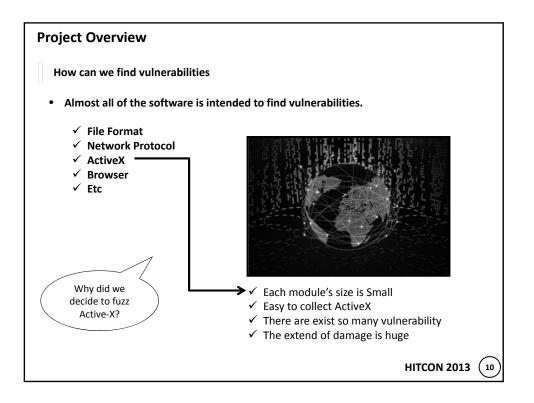
• In a short time, it's hard to find many vulnerabilities in just one applications.

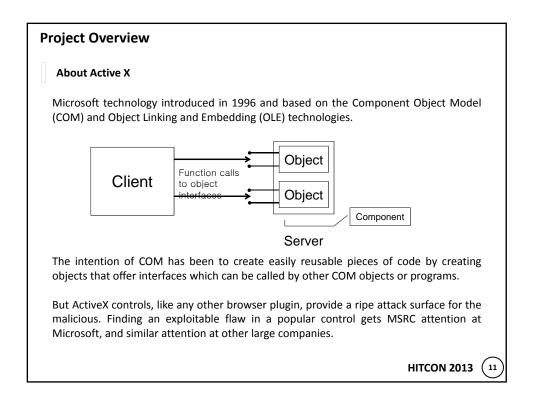








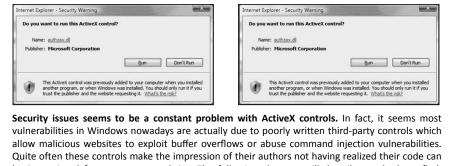




Project Overview

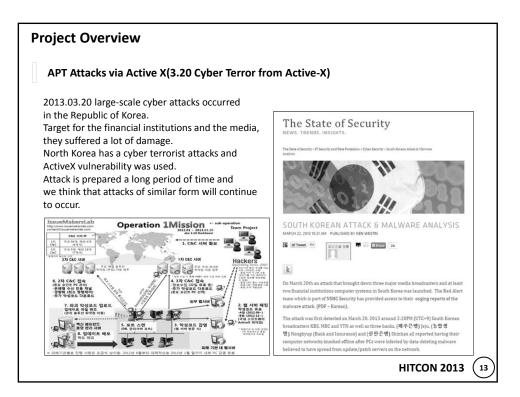
About Active X

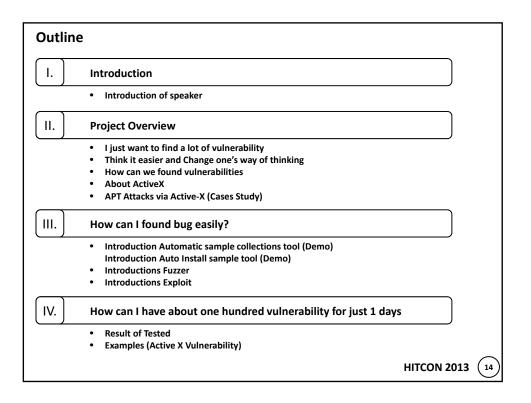
ActiveX controls are typically native code (e.g. C++) compiled binaries registered with the Windows operating system. Through a registration process the ActiveX control is considered scriptable, meaning that Internet Explorer can load the control and HTML or JavaScript can interact with it. Because ActiveX controls run native code in the browser, they can serve as an extension to the browser. This can lead to numerous security threats not the least of which being that the control can bypass Internet Explorer's most precious security defenses

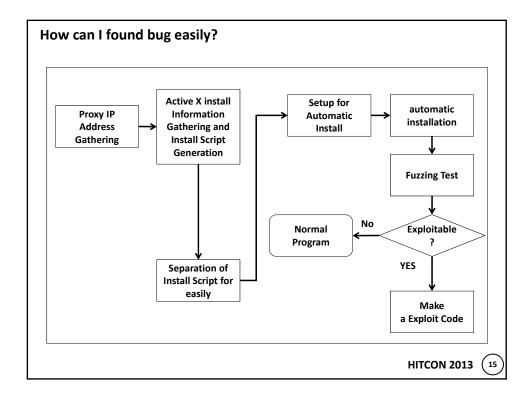


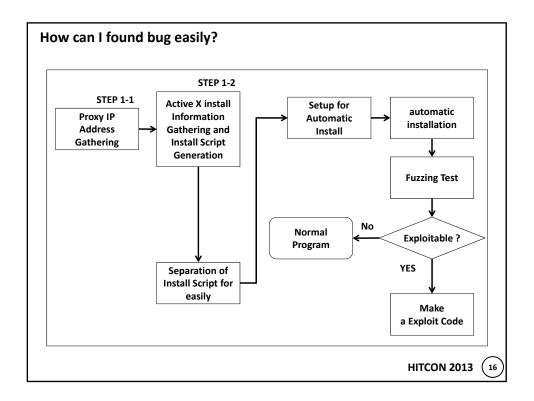
be instantiated from a remote website. The following chapters will describe methods to find, analyze, and exploit bugs in ActiveX controls will be presented to the reader.

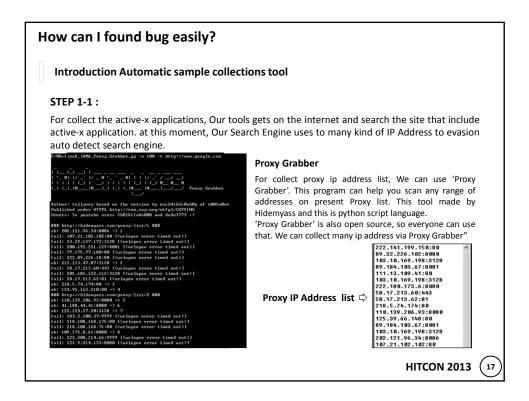
HITCON 2013 (12

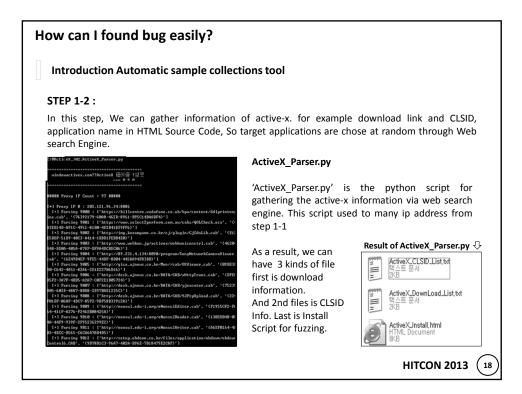


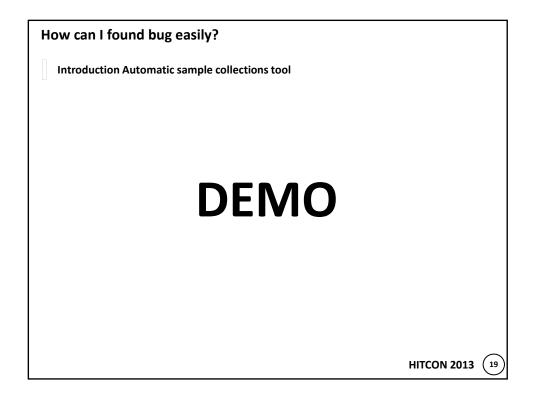


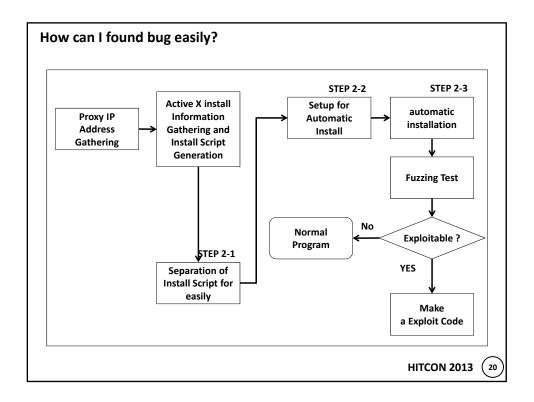




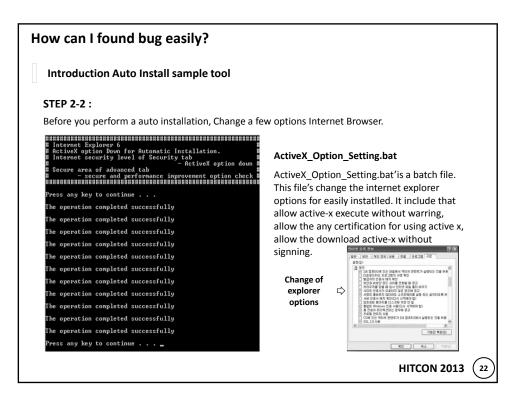




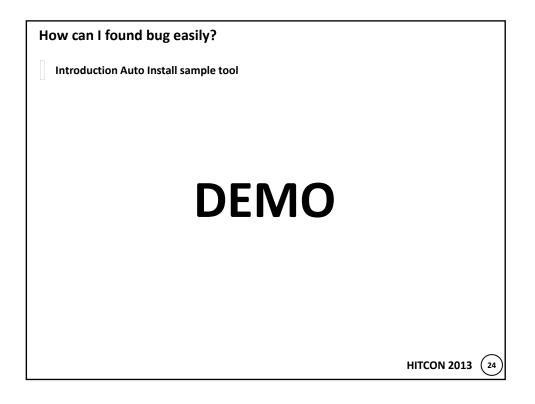


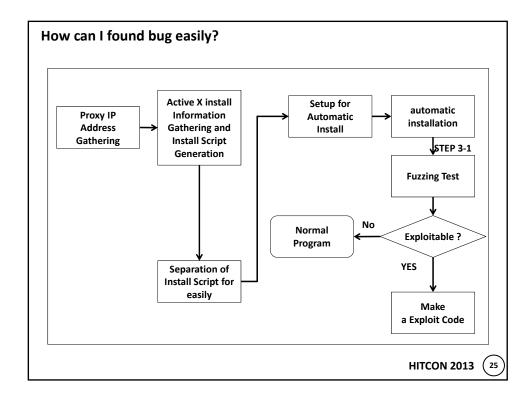


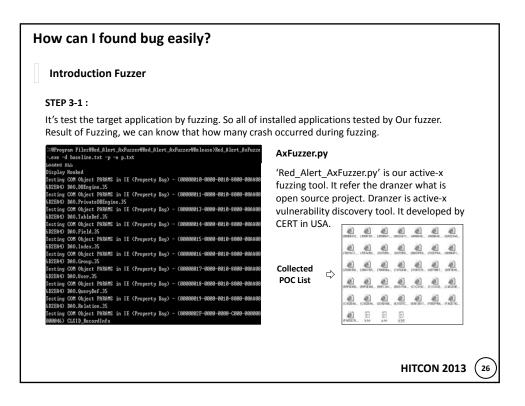
How can I found bug easily?								
Introduction Auto Install sample tool								
	/e're able to make		ipt from united script.					
	1.1.1.1.1.1.1.1.1.1.1.1.1.1.1.1.1.1.1.		ActiveX_List_Div.py 'ActiveX_List_Div.py' are able to separate the install script from united script via step 1-2. It makes individual install script for quick and easy.					
			HITCON 2013 (21)					

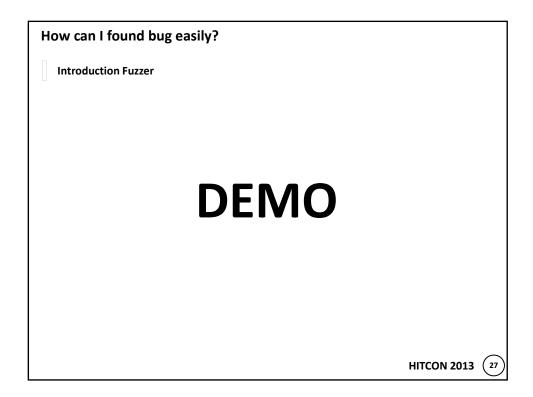


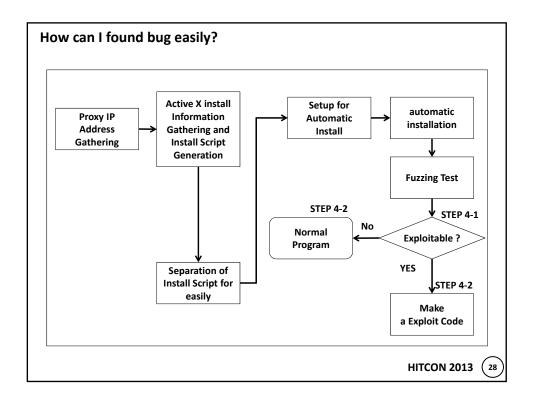
How can I found bug easily?				
Introduction Auto Install sample tool				
STEP 2-3 : In this case, Our batch file's run individual scrip	t for install.			
CIW NOOWSigstem 32kcmd.exe		t t' is batch file. It runs files for automatic install. Imscrypto, Crypto Imscrypto, Crypto, 1 ImsCrGA, Apprentice, 1 IneCtis, Inet IneCtis, Inet IneCtis, Inet InnoAP5, APSCtrl InnoAP5, APSCtrl InnoAP5, APSCtrl InnoAP5, APSCtrl InnoAP5, APSCtrl InnoAP5, APSCtrl InnoAP5, APSCtrl I InnoAP5, APSCtrl 1 InnoAP5, APSCtrl 1 Inno		
Sone I Wy Computer		InnoHDBroker, InnoHDBrokerCtrl	23	



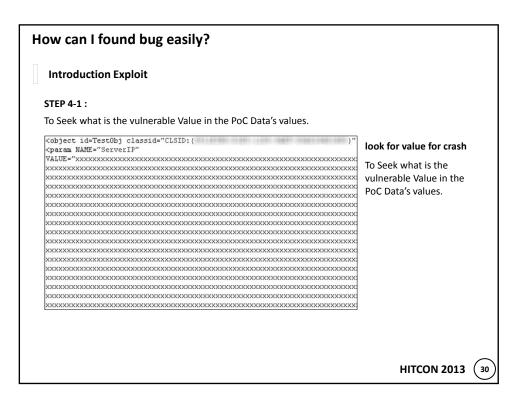








low can I fo	und bug easily?	
Introduction	Exploit	
STEP 4-1 :		
Selection crash	ed Active-X Information for Exploit in the result of fuzzing.	
f ERROR - Internet E ERROR - Internet E Com Object Filenaue Major Version Revision Number Product Version Product Version Product Version Event State Company Name to State Company Name file Description File Description File Version Internal Name Provate Build Language	not found	
EXCEPTION ACCESS V	OLATION(OxcOODODO5): instruction address: Ox41414141, invalid read from Ox41414141	
	C nation inform that EIP Register address is overwrite "41414141". So It can cha Isy and there is no need to spend a time for weaponizing. HITCON 2	-



Outlin	e
[I.]	Introduction
	Introduction of speaker
[]].	Project Overview
	 I just want to find a lot of vulnerability Think it easier and Change one's way of thinking How can we found vulnerabilities About ActiveX APT Attacks via Active-X (Cases Study)
[]]]	How can I found bug easily?
	 Introduction Automatic sample collections tool (Demo) Introduction Auto Install sample tool (Demo) Introductions Fuzzer Introductions Exploit
[IV.]	How can I have about one hundred vulnerability for just 1 days
	 Result of Tested Examples (Active X Vulnerability)
	HITCON 2013 (31)

