

# Black Hat 2016

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Las Vegas

- Location: Mandalay Bay
- Numerous sessions: more than 50 every day



**Android, iOS  
and Mobile Hacking**



**Exploit Development**



**Malware**



**Reverse Engineering**



**Cryptography**



**Hardware/Embedded**



**Network Defense**



**Security Development  
Lifecycle**



**Data Forensics  
and Incident Response**



**Human Factors**



**Platform Security: VM,  
OS, Host and Container**



**Smart Grid/Industrial  
Security**



**Enterprise**



**Internet of Things**



**Policy**



**Web AppSec**

# Killer Drone!

- **Drone Attacks on Industrial Wireless: A New Front in Cyber Security**
- **<https://www.youtube.com/watch?v=6Viwwetf0gU>**
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# Dropping USB Drives

- **Does dropping usb drives really work?**
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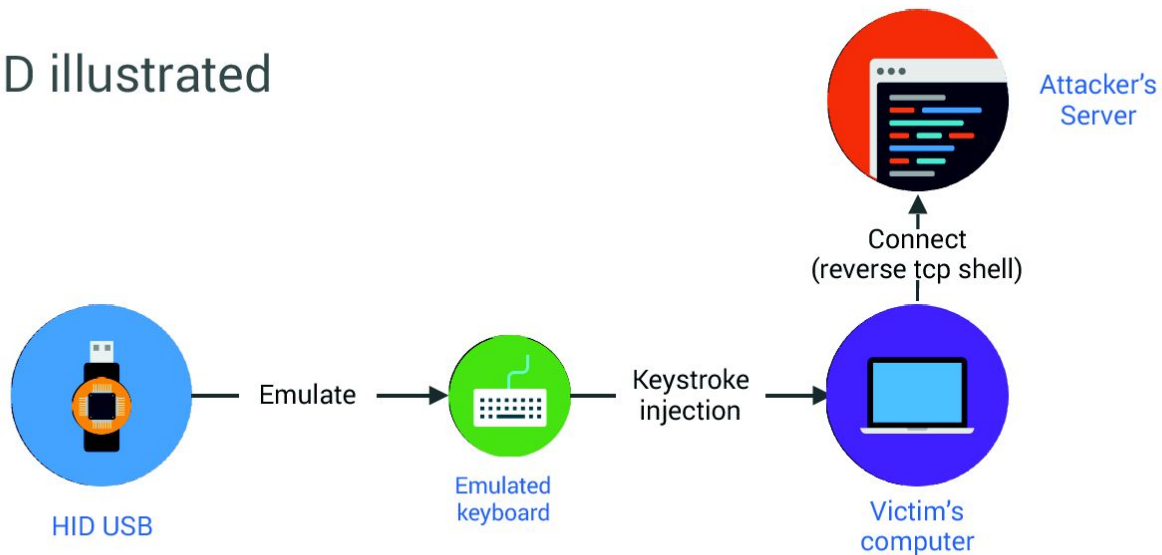
# Attacks via USB Drive

Social engineering illustrated



# Attacks via USB Drive

HID illustrated



# Attacks via USB Drive

## Attacks pros & cons

Attack vector	Mostly used by	Complexity & Cost	Reliability	Stealth	Cross OS
<b>Social engineering</b>	Academics Our study!	★	★	★	★★★
<b>HID Spoofing</b> Human Interface Device	White Hat Corporate espionage	★★	★★★	★★	★★
<b>0-day</b>	Government High-end corp espionage	★★★★★	★★★★★	★★★★★	★

## Game Plan

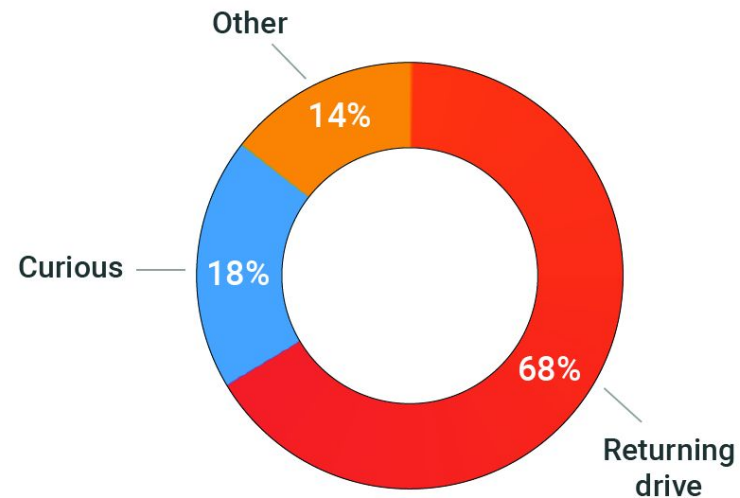
Drop **297 USB keys**  
and see what happens

### USB keys appearance





	Total	Fraction
Key dropped	297	
Key picked up	290	98%
Key who phoned home	135	45%
Key returned	54	19%
People answering survey	62	21%



# A Lightbulb Worm