

### Advanced Persistent Threat Groups

#### Lazarus Group and Fancy Bear

**Lazarus Group**  
 APT 38  
 Lazarus Group

**Fancy Bear**  
 APT 28  
 Fancy Bear

**APT 38's known exploits**

**APT 28's known exploits**



#### APT 28's Mission

Category	Item	Target	Impact
Information	Intellectual Property	Government, Military, Academic, Industry	Loss of competitive advantage, economic damage
	Trade Secrets	Government, Military, Academic, Industry	Loss of competitive advantage, economic damage
	Source Code	Government, Military, Academic, Industry	Loss of competitive advantage, economic damage
	Research and Development	Government, Military, Academic, Industry	Loss of competitive advantage, economic damage
Infrastructure	Government	Government	Disruption of government operations, loss of trust
	Military	Military	Disruption of military operations, loss of trust
	Academic	Academic	Disruption of academic research, loss of trust
	Industry	Industry	Disruption of industry operations, loss of trust
Espionage	Government	Government	Loss of sensitive information, loss of trust
	Military	Military	Loss of sensitive information, loss of trust
	Academic	Academic	Loss of sensitive information, loss of trust
	Industry	Industry	Loss of sensitive information, loss of trust
Sabotage	Government	Government	Disruption of government operations, loss of trust
	Military	Military	Disruption of military operations, loss of trust
	Academic	Academic	Disruption of academic research, loss of trust
	Industry	Industry	Disruption of industry operations, loss of trust

#### APT 38's Mission

Category	Item	Target	Impact
Information	Intellectual Property	Government, Military, Academic, Industry	Loss of competitive advantage, economic damage
	Trade Secrets	Government, Military, Academic, Industry	Loss of competitive advantage, economic damage
	Source Code	Government, Military, Academic, Industry	Loss of competitive advantage, economic damage
	Research and Development	Government, Military, Academic, Industry	Loss of competitive advantage, economic damage
Infrastructure	Government	Government	Disruption of government operations, loss of trust
	Military	Military	Disruption of military operations, loss of trust
	Academic	Academic	Disruption of academic research, loss of trust
	Industry	Industry	Disruption of industry operations, loss of trust
Espionage	Government	Government	Loss of sensitive information, loss of trust
	Military	Military	Loss of sensitive information, loss of trust
	Academic	Academic	Loss of sensitive information, loss of trust
	Industry	Industry	Loss of sensitive information, loss of trust
Sabotage	Government	Government	Disruption of government operations, loss of trust
	Military	Military	Disruption of military operations, loss of trust
	Academic	Academic	Disruption of academic research, loss of trust
	Industry	Industry	Disruption of industry operations, loss of trust

#### Tactics, Techniques and Procedures (TTPs)

Tactic	Technique	Procedure
Initial Access	Phishing	Targeted email campaigns
	Malware	Malicious attachments
	Supply Chain	Compromised software updates
	Zero-Day	Exploitation of unknown vulnerabilities
Persistence	Registry	Modifying system registry
	Scheduled Tasks	Creating malicious tasks
	Services	Installing malicious services
	Network	Configuring network connections
Privilege Escalation	Local Admin	Exploiting local vulnerabilities
	Powercat	Using remote administration tools
	Powercat	Using remote administration tools
	Powercat	Using remote administration tools
Data Collection	File System	Accessing files and folders
	Registry	Accessing registry values
	Network	Accessing network traffic
	System	Accessing system logs
Data Exfiltration	Cloud Storage	Uploading data to cloud services
	FTP	Using File Transfer Protocol
	SMTP	Using Simple Mail Transfer Protocol
	Web	Using web services



#### Legal and Regulatory Responses for Lazarus Group

Legal and Regulatory Responses for Lazarus Group

#### Legal and Regulatory Responses for Fancy Bear

Legal and Regulatory Responses for Fancy Bear

**Conclusion**