≥ Notable Hacker Groups

AKA APT1

with

Active since at

Likely based in

Active since at

Zhabei, Shanghai.

Active since at

text inserted Pudong, Shanghai in website code, often as explanatory notes. In 2014, the Department of Justice (DOJ) of hiding indicted five communication officers from the

Highly snippets of personalized spear phishing

defense, shipping, aeronautics, energy, manufacturing engineering, electronics, financial, and software

Space, aerospace, Canada's National and satellite

Research Council

BUCKEYE AKA APT3

AKA APT2

Technology Co.

at Guangzhou Bo

hacking charges.

unit on hacking

charges.

Known to

send out fake

invitations and job

conference

offerings.

In 2017, the DOJ

Phishing, spear

Spear phishing

Defense, telecom, transportation, and advanced technology companies; since about 2015, Hong Kong political figures.

Siemens, Moody's Analytics.

Active since at

Usually described as "Chinaaffiliated" or "statesponsored." In 2024, Microsoft

group was using their Al services

for research translation, and possible target

Spear phishing.

U.S. defense contractors, government agencies, aerospace telecom, and

companies.

Smart card

system used by

AKA APT10

TYPHOON

n 2018, the DOJ State Security members working for Huaying

and OpenAl

disclosed that the

Active since at

Development Co. in Tianjin and acting in association with the Chinese Ministry of State Security's Tianjin Spear phishing targeting MSPs

Commercial and defense technology companies, MSPs and government agencies.

U.S. Navy.

with the PLA.

Companies, governments, and individuals mostly in East

The New York Times.

Asia, particularly Taiwan and Japan.

Grumman,

Google, Northrop

Health care, defense, high

health care,

law, energy,

pharmaceutical,

education, and

manufacturing

companies.

telecom, high tech,

Community tech, aerospace, and telecom companies.

U.S. government, U.S. Office defense, finance,

of Personnel Management, Anthem, Premera Blue Cross, CareFirst Blue Cross.

Known Vulnerability

A weak spot in system code

that can be exploited for

unauthorized use of the

system. "Known" means

the flaw is known in the

cybersecurity community

and typically has already

been patched; however,

it can still be exploited

on unpatched systems.

it can be difficult to keep

all computers and systems

patched all the time. CCP

successful in exploiting

advantage of lax security

maintenance. One often-

used tactic is to target a

hackers have been extremely

known vulnerabilities, taking

vulnerability right after it has

been discovered and publicly

exploiting it before a patch is

disclosed, with the aim of

broadly adopted.

Especially in large networks,

Zero-Day Vulnerability

HOW HACKERS GAIN ACCESS

A weak spot in system code that can be exploited for unauthorized use of the system. "Zero-day" means the vendor or developer has just discovered the flaw and hasn't had time yet to fix it. Some Chinese hacker groups have been known to use multiple zero-day vulnerabilities.

Managed Service Provider

(MSP) is a company that manages computer networks and services for other companies. Some using them as a bridge to compromise the computer networks of the MSPs'



| Spear Phishing

HACKERS

CYBERWARFARE ON

A GLOBAL SCALE

The Chinese regime runs the largest network

of hackers in the world, and the United States

is its most prominent target

the intellectual property of foreign companies on a mass scale. The information is then provided to

Chinese companies and research establishments, siphoning hundreds of billions in value from the U.S.

economy. The CCP also uses hackers to spy on and harass overseas critics and dissidents, including

media and lawmakers. CCP cyberattacks have targeted critical infrastructure in the United States

and around the world, possibly preparing to cripple life-sustaining services in the case of an open

conflict. With the repeated hacking of U.S. government agencies, health insurance providers, and telecommunications companies, the CCP has been able to collect vast troves of Americans' personal

data. The regime may be, quite literally, keeping tabs on every American.

ina is the most prolific cybersecurity threat in the world, with nearly 200 hacker

groups catalogued by various cybersecurity firms. The Chinese Communist Party

(CCP) uses hacking not just for espionage, but also as a part of its broader agenda of

unrestricted warfare. State-sponsored Chinese hackers target specific industries to steal

An attempt to trick an individual into installing malicious code on his computer. It often uses emails with attachments or hyperlinks that, if clicked on, install the malicious code. Compared to regular phishing, which is often sent to a broad audience and is usually easy to recognize, spear phishing is

tailored to specific targets. An employee, for example, may receive an email that looks like it was sent by his manager or his company's HR department, asking him to click on a link or open an attachment to complete a work-related task. Spear phishing emails have also been disguised as invitations

to seminars, conferences,

retreats, and other events



to be used by the intended target. An individual with access to the targeted system may, for example, frequent a particular online forum. Hackers would then target the forum's website and infect it with malicious code, waiting for the target to access it. Some Chinese hacker groups have been known to use this method, especially more recently, as victims have been getting



phishing scams.

more adept at spotting

Watering Hole

An indirect attack that

compromises a website likely



Likely part of the Jiangsu branch of the Ministry of

Active since at

airliners. In 2012 In 2018, the APT26 hacked DOJ indicted the Council on Foreign Relations several Chinese website to use as officers from the a watering hole.

Jiangsu branch for hacking

an aerospace

turbofan engines

developing

Science and

Technology Co.

Aerospace, aviation, government, think-tanks nonprofits, health care defense, energy agriculture.

Notable Hacker Groups

Capstone Turbine Corp.

AKA APT31

air-gappedphysically or logically separatedsystems through malware spread via USB devices. In 2024, the U.S. Treasury linked the group to Wuhan Xiaoruizhi company.

Active since at

least 2016.

and sanctioned it as a front for the Chinese Ministry GitHub. of State Security's hacking campaign targeting U.S. officials and critical including defe contractors and an energy

U.S. and European Phishing links

President Joe campaign; governments of No way, Finland, and Czech Republic.



A group of hack ers who seem t

Active since at

gain. In 2020. around the world.

on Microsoft

Exchange email

servers in 2021. In

for allegedly being

regime and partly

Compromising phishing

through third-

party software

think tanks, an telecom, video game, hardware

social media

companies.

researchers, law

think tanks, and

firms, universities,

At least six U.S. state

Likely tied to the

Active since at

Allegedly responsible for a

of State Security.

series of attacks

FLAX TYPHOON

AKA ETHEREAL

UNC3886 AKA FIRE ANT

least 2020.

by the PLA

Active since at

Likely operated

Ministry of State

by the Chinese

Security.

Known for a

massive breach

of U.S. telecom

Active since at

Described as a

"China-nexus"

actor.

least 2021.

least 2020.

Active since at Possibly run

Allegedly focuses on stealthily U.S. critical gathering

Compromising Fortinet were issued).

organizations.

maritime, information Utility companies supplying U.S.

attacks. Active since at In 2024, the FBI

intelligence for

potential future

disrupted a Flax

Typhoon botnet

200,000 devices,

camcorders, and

office routers.

companies

discovered in

2024, in which

the hackers stole

text messages,

voicemails, and

even some phone

calls of high-profile

deploying multiple

layers of malware Zero-day

access even when Fortinet devices

clients, including

President Donald

Trump.

Known for

to maintain

including cameras,

of more than

announced it had Known server

Known

vulnerabilities

infrastructure,

such as routers

vulnerabilities in

and VMWare

virtualization software (patches were issued).

agencies, universities, telecom and media companies,

organizations.

technology,

companies.

and education

Taiwanese government

nongovernmental

U.S. government, telecom

Verizon, AT&T, T-Mobile.

Defense, technology,

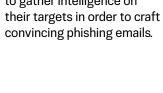
Singaporean critical infrastructure.



A managed service provider Chinese hacker groups have been known to target MSPs,



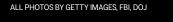
commonly advertised to the targeted individuals. Sometimes, hackers set up innocuous-looking but infected fake websites, to which the phishing emails then link. Chinese hacker groups have been known to gather intelligence on













AKA APT12

AKA APT17

DYNAMITE

AKA APT18

PANDA

least 2009.

Active since at

Active since at

Likely a Active since at

contractor of the Jinan bureau of the Chinese Ministry of State

Likely part of the

Likely freelancers

working for the

Chinese regime.

PLA Navy.

Security.

Spear phishing.

Spear phishing

using recently

vulnerabilities.

Spear phishing,

discovered

U.S. government, defense industry, IT companies, mining companies, Amnesty nongovernmental International. organizations, law

PAST TARGETS: Health Systems.