



??????????????

GEOGRAPHICAL SCOPE OF STATE-SPONSORED GROUPS				
AMERICA	EUROPE	APAC	MIDDLE EAST & AFRICA	RUSSIA & THE FORMER SOVIET UNION
APT28 – Russia	APT28 – Russia	DarkHotel – North Korea	OilRig – Iran	Equation Group – USA
Turla – Russia	Gorgon Group – Pakistan	APT37 – North Korea	APT37 – North Korea	PowerPool
Charming Kitten – Iran	PowerPool	Kimsuky – North Korea	Wiggster	Gorgon Group – Pakistan
Gorgon Group – Pakistan	DarkHotel – North Korea	Sidewinder – India	Gaza Cybergang – Gaza	MuddyWater – Iran
APT29 – Russia	APT29 – Russia	Chafer – Iran	Bahamut – Middle East	APT37 – North Korea
APT33 – Iran	MuddyWater – Iran	APT-C-35	MuddyWater – Iran	Winnti – China
APT-C-36 – South America	APT10 – China	BlueMushroom	APT33 – Iran	Lazarus – North Korea
Kimsuky – North Korea	APT33 – Iran	APT10 – China	Golemaker	Whistle
Xenotime	Gamaredon Group – Russia	APT29 – Russia	APT-C-27 – Middle East	Gamaredon Group – Russia
Lazarus – North Korea	Golemaker	OceanLotus – Vietnam	Lazarus – North Korea	Buhtap – Russia
TEMP.Periscope – China	Inception	OilRig – Iran	FruityArmor – UAE	APT28 – Russia
STOLEN PENCIL – North Korea	Turla – Russia	Whistle	Emissary Panda – China	HEXANE
	LEAD – China	Winnti – China	APT-C-38	
	OceanLotus – Vietnam	BITTER – India	Domestic Kitten – Iran	
	Lazarus – North Korea	Turla – Russia	Chafer – Iran	
	TEMP.Periscope – China	Xenotime – Russia	StrongPity – Turkey	
		Lazarus – North Korea	HEXANE	
		APT40 – China		
		Unidentified group, TajMahal framework		

????????????

????????????? ? ?????????? ???14????????? ?????????? ?????????????? ??????????
??? ?????4?? ?????????????10?? ?????????????12% ????????? ?

????????????????????????? ?????????????????? ?????????????????? ?????????????????? ???
????????????????????? ?????????????????? ?????????????????? ?????????????????????? ??????????????
? ?????????????? ?????????????? ?????? ?????????????????????? ?

????????????????????????? ?????? ?????????????????????? ?????????????????? ?????????????????? ???
???????? ?

????????? ?????????????????????????????? ?????????? ?????????? ?????????????? ??????????????
?? ?? ?????????? ?????????? ?????????????????????? ??????
? ?

2.1?;??????!

????????????????????? ?????????????????????? ?????????? ?????????? ?????????????????????? ?????????
??? ?????????????????? ?????? ?????????????????????????????????? ?

????????? ?????????????????????????? ?????????????????? ?????????????????? ?

2.2??????

????????????????? ?????????????????????? ?????????????? ?



????????????

???????????????????? ???? ???? ???? ???? ???? ?
???? ?

3????

? ???? ???? ???? ???? ???? ???? ????
???? ? ? ? ? ? ? ? ?

4????

[??](#)
[word?????????????????.doc](#) [????????????????](#) [PDF?????????????????.pdf](#)
[????????????????](#)

???

???

- ? ???
- ?????1970-01-01 08:00:00
- ? ?????
- ? ? ?????
- ? ??¥12.00 ?
- ? ? ?????



???

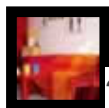
??????????

- • •

??95????



???

[illegible]

????

[illegible]

??

??? 16-**????????????????** **????????????????** **??????????????** **?????????** ?

????????????



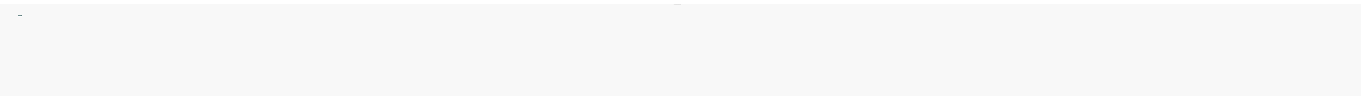
[??????????](#)



[????????????](#)



[??????????](#)



????

9881?

[??](#)

????????????

????????

[??](#) | [????](#)