	~2015	2016	2017	2018	2019	2020	2021	2022	2023
A	MB _I S		our enemy. leadership®	DEFRAY777 Confirmed cooperative activit		RANSOM EXX RANSOM EXX AKO THUNDER X RANZY LOCKED	ONYX : This ransomware reportedly developed based on CHAOS Ransomware Builder v4 (variant of CHAOS ransomware).	LOCKDATA BLACKSNAKE	E: It is reportedly developed based on CHAOS ransomware.
	This chart shows	ISOMWARE GROUP CONNECT the connections between the m	ajor ransomware attack gro	oups (*1) confirmed	AKO : Relationship between AKO and MEDUSA is pointed out sometimes, but AKO developer denied.	EGREGOR : Relationship with PROLOCK is pointed out based on TTP and technical similarities. PROLOCK The actors oup to employ double extortion.	CHAOS s are reportedly similar se ransomware.	 YASHMA YASHMA SOLIDBIT It is considered as a variant of YASHMA. PANDORA CATB (CATB99,BAXTOY) CATB : Ransom notes are similar and 	LOCKBIT. GOOD DAY : Relationship is pointed out because the CLOAK's leak site URL appears in the ransom note.
Β	This reveals the b other. The influen to the emergence	l, from multiple perspectives cent background of many ransomware nce of CONTI, BABUK source co e of other new groups. On the ot cker who belongs to a specific o	attack groups having some de leakage, group break up her hand, in some cases, su	connections with each o / takedown, etc. leads uch as NIGHT SKY, the	CHACHA MAZE	EGREGOR : It is considered as a variant of SEKHM	It is pointed out ed BABUK's code. NIGHT SKY • • • • • • • • • • • • • • • • • • •	Possibly a fork of ROOK. CHEERS behind this. I od of posting the name of the victim	GOOD DAY DRAGONFLY (involves DEV-0401 / BRONZE STARLIGHT) is reportedly It has been pointed out that there are similarities with those ransomware.
	than generally rep (*1) Selected dou	uble extortion groups, related grou	ips, and hot topic groups.			A person claiming to be the developer of these three, released a master key for decryption. NAR LOCKER, SUNCRYPT, and ere reportedly collaborating. VASA LOCKER (BABY)	BIANLIAN	On in hidden letters on the leak site is similar.	at the CHEERSCRYPT ransomware was developed based on BABUK's code.
С	vendors around th	created by MBSD's own research ne world. ferences. https://www.mbsd.jp/re	esearch/20230201/WhitePap These groups are re	wer/ WHITERABBIT : ecognized as franchise-type RaaS, b	Leak site was taken down on Oct. 19, 2023. countries cooperated and dismantled the gro It is pointed out that this group used the leaked BABUK. because attack methods and hosting servers are hsidered as a rebranded group due to code similarities.		at GROOVE · · · · · · · RAMP GROOVE : Possibly ran DAG	OVEL. NOT UNIOUVE. (Other; BABUK2023 (XVGV), CY (Other; BABUK2023 (XVGV), CY NOKOYAWA : It is similar to KARM	RA GROUP OUP : It is pointed out that they used leaked BABUK's code. YLANCE, DATAF, LOCK4, MICHAELKORS, RTM, etc.) A, and some says it is a rebranded group.
		BLACKCAT, AVOSLC	KARMA is sa TELEGRAM, out that CONTI is collaborating wit DCKER, and BABUK attack group	aid to have started from JSWORM, a , FUSION, MILIHPEN, and GANGB th affiliates of HELLO KITTY, HIVE, os, by outsourcing some of its tasks	and evolved through NEMTY, NEFILIM, OFFWHITE, ANG ransomware.	MOUNT LOCKER	ASTRO (ASTRA) QUANTUM Takedown in January 2023.In Nov., a LOC	KER and QUANTUM have been pointed out. At the same timing, some of It is pointed out that Farnetw arrested attackers who used	f the same victims by SNATCH were posted on the leak site. work, which is suspected to be related to JSWORM, is behind the scene. NEVADA : It is pointed out that a variant of RUST-based NOKOYAWA subspe
			ider it is a separate organization both the second	(Involvement : GRIM SPI		NEFILIM QUANTUM : It is pointed out that there are relationship within af HIVE : At the same timing, same victims were posted on both leak sites. But HIVE denied any connection to CONTI.	filiates. HIVE HUNTERS INTER	PLAY NATIONAL : The attack group is pointed out rebranding of HIVE use of its source code similarities, but they denied.	Leak site existes, but no exposure activity has been confirmed at this moment. HUNTERS INTERNATIONAL It is pointed out attackers behind HIVE and NOKOYAWA are related each other. PLAY may be ran by the same attackers due to similar attack methods.
D	Rebrand		tionship		May have used leaked CONTI source code or binaries. somware was built from the leaked CONTI source code.	BIANLIAN was confirmed in ransomware attacks.	>WHITERABBIT	At the same timing, same victims were posted on both leak sites. Extortion group with confirmed ties to ransomware attack groups. ease has been confirmed in which the URL of included in a threatening letter created by WHITERABBIT.	Possibly associated with ransomware group's initial access broker. MONTI : MONTI posted DONUT LEAKS credentials on the leak site.
	* Fill	Exposure Activities* (Leak site is online in la			SILENT RANSOM GROUP : It is pointed out that some CONTI attackers launched it as a new group. is pointed out that there are relationship within affiliates.			 > NB65 SILENT RANSOM GROUP PUTIN TEAM SCARECROW BLUESKY MEOW 	The decryption key and source code were released in the hacker forum on Februa The leak site was found on Nov. 2023. Announced dissolution in Oct. 2023. Then they hinted resuming activitie
Ε	O Utilize	ak site hacker forums Telegram nfirmed ransomware ac	tivity		KBYTE : It could be the extortion department of CONTI. DIAVOL : Similarities to CONTI have been observed.	EVEREST BLACKBYTE : Similarities to EVE DIAVOL : Possibly using common infrastructure with KARAKUR	REST have been observed. STORMOUS RA While	NSOMED.VC : They expressed STORMOUS as a partner. SIEGEDSEC some question the claims of ransomware usage, samples written by PHP onfirmed. Also confirmed they expressed RANSOMED.VC as a partner.	RANSOMCORP : Some indicated there may be a relation SIEGEDSEC : A connection to the operational base of RANSOMED.
	No Exposur	e Activities (or not co		Reuse of DeathRans	to be an extortion group when CONTI failed to encrypt. CEON : Generates a ransom note very similar to CONTI. om and ABYSS is pointed out. An individual believed to eased the source code on a hacker forum in Oct. 2023. HELLO KITTY (FIVE HANDS) : It is pointed out	TOMMYLEAKS : Conversation with the victims points out a They do not use ransomware, but confirmed some cooperation with other groups.	relationship with KARAKURT, and it is believed to be a branch of CONTI.	ZEON ROYAL	The leak site was launched in Dec. 2023. Soon after, it was taken down by the LAPSUS\$: This group promotes RANSOMHOUSE on Telegram. SCHOOLBOYS : It is reportedly used the leaked LOCKBIT3.0 ransomware but a statement of BLACKSUIT
F	multiple affiliates	vSyndigate (Relationship a e groups, including possibi s, and others)	lity of IAB,	There are multiple v	that there are relationship within affiliates. VICE SOCIETY : The use of HELLO KITTY and ZEPPELIN ransomware has been pointed out. VEGA	F → HELLO KITTY (FIVE HANDS) ← extortion without	confirmed cases of t using ransomware. VICE SOCIETY : It is pointed of VICE SOCIETY	as reportedly using BABUK's Linux locker. (Involvement : DEV-0569) out that they used variant of the REDALERT ransomware. REDALERT (N13V) POLYVICE	BLACKSUIT : Pointed out similarities with ROYAL in Linux sample. VICESOCIETY : Reportedly used QUANTUM ransomware. ROYAL : There is information that it was using BLACKCAT's tools before using its own encryption tool.
	Stormou Commo	milies (consists from Threa us, Blackforums, and Sieg only used as a Precursor M inted out that there are cor	edSec) Ialware -1 (QBOT) mmon affiliates	damages have ALP	Among variants, outstanding e been confirmed. HV (BLACKCAT) : It is pointed out the possibility that ITI used BLACKCAT ransomware as one of the attacks.	ALPHV (BLACKCAT) : It is confirmed the possibility of overlappin the same original data leakage tool. Pointed out that LOCKBIT and Ralationship with REVIL is pointed out	affiliates and the use of d others are rebrands.	by AlphV stating activities will continue. ht : FIN7 / CARBON SPIDER) is pointed out.	It is considered to be VICE SOCIETY's own ransomware. The relationship with codes such as CHILY and SUNNYDAY is pointed out.
G	EVILCORP	groups -1 (Wazawaka and is said to have existed since around 20		BLAC	K BASTA : Similar to CONTI's payment site & leak site.	due to similarity of the ransomware.	There are technical similarities LOCK MACAW LOCKER	BIT : They diverted I to LOCKBIT GREEN.	the source code from BLACKCAT and BLACKMATTER. THREEAM : Confirmed usage after LOCKBIT exploit failure. Affiliates maybe below THREEAM
		IER : It is said that EVILCORP was us	ed in the attack. CRYPTO		DOPPELPAYMER	LOCKBIT2.0, but no evidence of relationship or actual attack is confirmed.	GRIEF ENTROPY	BADLOCK (RORSCHACH)	Soon after WEREWOLVES appeared, they posted victims overlapping with LOCKBIT and QILIN, hinting some connections.
Η			onsLV :	It is pointed out that the code and a lit is pointed out that was using BL Re-activated in April 2022, after the second s	ACKCAT ransomware.		ARCANE SABBATH		ed out that they used the leaked LOCKBIT 3.0 ransomware builder first in an actua First appeared in October 2022, followed by 2.0 in November.
	SAMSAM It is pointed out that there are	CERBER They tempora	arily suspended its activities, but	GANDCRAB SPARTACUS new specimens appeared, exploitin 6134 in Jun. 2022, and CVE-2023-2	g CVE-2021-26084		Pre are similarities in Anno HARON MIDAS	HARDBIT : Ransom notes and logo are similar, but the relationship is unknown. HARDBIT commented in the interview that they used LOCKBIT's ransom note. NOESCAPE : Both ransomware is highly similar, some pointing out re-branding possibility.	While they claimed data theft, no leak site is confirmed.
		JIGSAW bed by a Venezuelan cardiac surgeon.			THANOS	Using THANOS ransomware.	PROMETHEUS SPOOK	CRYPTBB : Connection is pointed out due to the	It is pointed out similarities with BABUK and LOCKBIT.
	•	ointed out that it was developed F ption key was leaked.	PHOBOS : It is pointed out that it developed based on the DHARMA	was Annou	nced as RaaS in 2019, and advertised on hacker forums. PH any variants such as LIZARD, ISOS, DIKE, STEEL, ELBIE, etc.		Leak site and ransom note similarities with RANSOMHOUSE is pointed out. Also pointed out diversion from PHOBOS ransomware.	similarity of leak site and the duplication of victim list. ■ ■ ■ ■ ■ ■ ■ ■ ■ ■ ■ ■ ■ ■ ■ ■ ■ ■ ■	> CRYPTBB Diversion of LOCKBIT3.0 (LOCKBIT BLACK) is pointed of
J	N4UGHTYSEC	HITLER (AGLOBGVYCG)	ECHORAIX RANION At the same timing, some by NOKOYAWA were pos	e of the same victims	It is pointed out that these ransomy	ware is somewhat related each other. PAY2KEY PAY2KEY (SPECTRAL KITTEN)	•	V IS VENDETTA : Confirmed its existence in sub-domain of CUBA in 2023. Vice-versa, there is an opinion that CUBA is a rebrand of V IS VENDETTA. Details and relationship are unclear at this time.	VISVENDETTA SHADOW Unknown relationship with the ransomware of the same name
					PYSA / MESPINOZA RAGNAROK ROBBINHOOD	NEBULA FONIX (XINOF) EXORCIST		MINDWARE BLACKMAGIC RADAR BULLY LILITH SHAOLEAKS OMEGA UNSAFE SPARTA	ABYSS AKIRA BLACKDOLPHIN RANCOZ
K		CRYPTOMIX	L OP:I t is pointed out that it is a v	(lny/o	e. ARVINCLUB	NETWALKER	HELLBORN HOTARUS EP918 DARKRYPT SUGAR QLOCKER SNAPMC BABYDUCK	ENDURANCE PROJECT RELIC ICEFIRE MOISHA	MONEY MESSAGE CIPHERLOCKER DARK POWER
		It is pointed out the cod	le diversion of CRYPTOWALL and SYNACK		MEGACORTEX		BONACI GROUP HOLYGHOST	GHOSTSEC	The posted information on the leak site.)
L	2023 Mitsui Bussan S	Secure Directions, Inc. All ri	ghts reserved. / Conte	ents shown in this sheet a	re as of December 26, 2023.	It is pointed out that it is deployed as RaaS for some of their members SZ40	BLACKBIT : Due to functional similarities, they are considered as a subspecies of LOKI LOCKER.	(Leak site was discovered, but the date of appearance is unknown Ransomware with the same name existed in 2021, but the relationship is unclear.	attack industries. And some says it is a rebranded

2024

Created by Cyber Intelligence Group

2023 - L

2023 - L

2021 - F

2022 - K

2019 - I

2023 - C

2019 - G

2022 - G

2022 - A

2022 - C

2021 - B

2021 - L

2021 - L

2023 - K

2020 - H

2021 - G

2023 - L

2019 - K

2023 - L

2023 - L

2021 - K

2021 - D 2019 - B

2021 - K

2019 - A

2019 - L

2022 - E 2023 - K

2023 - C 2021 - I

2018 - C

2022 - K

2022 - K

2022 - E

2023 - K

2020 - C

2017 - H

2015 - J

2022 - D

2020 - K

2020 - D

2019 - D

2020 - K 2021 - K

2022 - D

2021 - B

2023 - I 2022 - D

2018 - C 2022 - A

2022 - K

2020 - H

2022 - A

2020 - J

2021 - B

2018 - I

2021 - H

2022 - D 2022 - F

2022 - K

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2021 - I

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2019 - K

2022 - H

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2022 - K

2019 - B

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2023 - C

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2023 - C

2018 - D

2021 - H

2015 - I

2022 - E

2022 - E 2020 - B

2023 - J

2022 - K

2022 - E

2022 - E

2021 - K

2018 - J 2022 - A

2022 - K

2018 - I

2021 - I

2019 - I

2021 - E

2021 - K

2019 - B

2023 - G

2017 - L

2020 - L 2017 - C

2019 - I

2023 - G

2020 - A

2022 - E

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2022 - A

2020 - H

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2022 - B

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SD22-103D - 2312

2021 - K

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	2024		Created	d by <mark>C</mark>	yber Intelliger
		INDEX 8BASE	(0–9, A - K) 2022	2 - 1	
		ABYSS AKIRA	2023 2023 2023	3 - K	INDEX (L
		AKO ALPHV (BLACKCAT)	2020) - A	LAMBDA LA PIOVRA
		ARCANE	2021 2019	- H	LAPSUS\$ LILITH
		ASTRO (ASTRA) ATOMSILO	2021 2021	- C	LIZARD LOCK4
		AVADDON AVOSLOCKER	202 2020 2021) -	LOCKBIT (ABCD) LOCKBIT2.0 (LOCKBIT REE
		AXXES BABUK	2022	2 - 1	LOCKBIT3.0 (LOCKBIT BLACK)
		BABUK2023 (XVGV)	2021 2022	2 - C	LOCKDATA
		BABYDUCK BADLOCK (RORSCH		2 - G	LOCKERGOGA LOCKFILE
		BIANLIAN BIG HEAD	2021 2023	3 - K	LOKI LOCKER LORENZ
		BITPAYMER BL4CKT0R	2017 2021		LOSTTRUST LV
		BLACK BASTA BLACKBIT	2022 2022		MACAW LOCKER MADCAT
		BLACKBYTE BLACKDOLPHIN	2021 2023		MAILTO MALAS
		BLACKMAGIC BLACKMATTER	2022 2021		MALEKTEAM MALLOX (FARGO)
		BLACKSHADOW (SPECTRAL KITTEN)	2020) - J	MARIO MAZE
		BLACKSNAKE BLACKSUIT	2023 2023		MBC MEDUSA
		BLOODY BLUESKY	2022 2022		MEGACORTEX MEOW
		BONACI GROUP BULLY	2021 2022		METAENCRYPTOR MICHAELKORS
		CACTUS CATB (CATB99,BAXT	2023	3 - K	MIDAS MILIHPEN
		CERBER CHACHA	2016 2019	\$ -	MINDWARE
		CHAOS CHEERS	2021 2022	- A	MONTI MONEY MESSAGE
		CHILE LOCKER (ARCRYPTER)	2022) - K	MOUNT LOCKER MY DECRYPTER (MAGNIB
		CHILY	2023	3 - G	N4UGHTYSEC
		CIPHERLOCKER	2023 2023	3 - K	NB65 NEBULA
		CLOAK CLOP	2023 2019) - K	NEFILIM NEMTY
2023.		CONTI COOMING PROJECT		- K	NETWALKER NETWORM (N3TWORM)
nder a new name in Dec.		CRYKAL / CRYLOCK CRYPTBB	2023	3 - 1	NEVADA NIGHT SKY
		CRYPTNET CRYPTOMIX	2023 2016		NOESCAPE NOKOYAWA
art date was ound in 2023.		CRYPTON CRYPTOWALL	2017 2017		OFFWHITE ONYX
ship with RANSOMED.VC.		CRYPTXXX CRYSIS	2017 2016		OMEGA ONEPERCENT
is pointed out. acktivist group "D7BBUK".		CUBA CYCLOPS	2019 2023		PANDORA PAY2KEY
		CYLANCE DAGON	2023 2022		PAYLOAD.BIN PHOBOS
er.		DAIXIN DARK ANGELS	2022 2022		PHOENIX LOCKER PLAY
		DARKBIT DARK POWER	2023 2023		POLYVICE PROJECT RELIC
		DARKRACE DARKRYPT	2023 2021		PROLOCK PROMETHEUS
		DARKSIDE DATAF	2020 2023) - G	PUTIN TEAM PWNDLOCKER
		DEFRAY777 DEATHRANSOM	2018 2018	3 - A	PYSA / MESPINOZA QILIN (AGENDA)
		DHARMA DIAVOL	2016 2016 2021) - I	QLOCKER QUANTUM
		DIKE DONUT	2021 2019 2022) -	RADAR RAGNAR LOCKER
		DOPPELPAYMER DRAGON FORCE	2019) - H	RAGNAROK RA GROUP
		DUNGHILL	2023 2023	8 - B	RAMP
both.		ECHORAIX EGREGOR	2017 2020) - B	RANCOZ RANION
		EL_COMETA ELBIE	2021 2019) -	RANSOM CARTEL RANSOMCORP
		ENDURANCE ENTROPY	2022 2021	- H	RANSOMED.VC RANSOM EXX
		EP918 ERUPTION	2021 2020) - H	RANSOMHOUSE RANZY LOCKER
		ESXIARGS EVEREST	2022 2020) - E	RAZNATOVIC REDALERT (N13V)
		EVILCORP EXORCIST	2015 2020		REVIL (SODINOKIBI) RHYSIDA
tack.		FONIX (XINOF) FUSION	2020 2017		ROBBINHOOD ROOK
		GANDCRAB GANGBANG	2018 2018		ROYAL RTM
		GHOSTSEC GOOD DAY	2022 2023		RYUK SABBATH
		GRIEF GROOVE	2021 2021		SAMSAM SCARECROW
iates		HADES HARDBIT	2020 2022		SCHOOLBOYS SEKHMET
m victims.		HARON HELLBORN	2021 2021		SHADOW SHAOLEAKS
		HELLO KITTY (FIVE HANDS)	2020) _ -	SIEGEDSEC SILENT RANSOM GROUP
		HERMES HITLER (AGLOBGVY)	2017 CG) 2016		SNAPMC SNATCH
		HIVE HOLYGHOST	2021 2021	- D	SOLIDBIT SPARTA
		HOTARUS HUNTERS INTERNA	2021	- K	SPARTACUS SPOOK
		ICEFIRE INC RANSOM	2023 2023 2023	2 - K	STEEL STORMOUS
		ISOS JIGSAW	2019) -	SUGAR SUNCRYPT
		JSWORM	2016 2019) - D	SUNNYDAY
confirmed in 2021.		KARAKURT KARMA	2021 2021	- D	SYNACK SZ40
		KNIGHT	2023		TELEGRAM THANOS
					THREEAM THUNDER X
					TOMMYLEAKS TRIGONA
Confirmed ransomware attacks, but p	bossibly a hacktivist.				UNSAFE VASA LOCKER (BABY)
					VEGA V IS VENDETTA
					VICE SOCIETY VSOP
					WASTEDLOCKER WEREWOLVES
					WHITERABBIT X001XS
					XING YANLUOWANG
					YASHMA
			· ····		
TTP and	ニ开物産	セキュノ	アイレ	ノフ	ション株式