The bridge to possible

The Past, Present and Future of Ransomware

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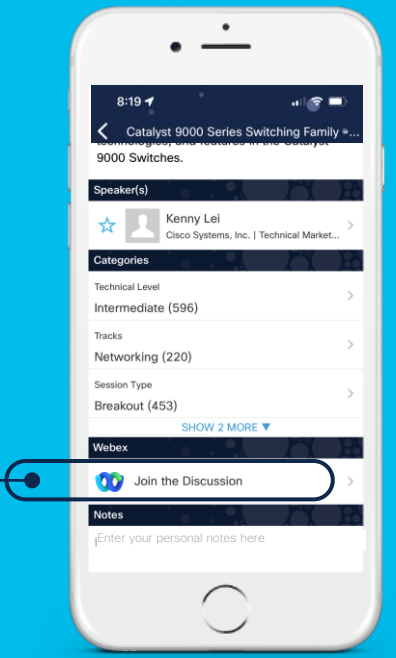
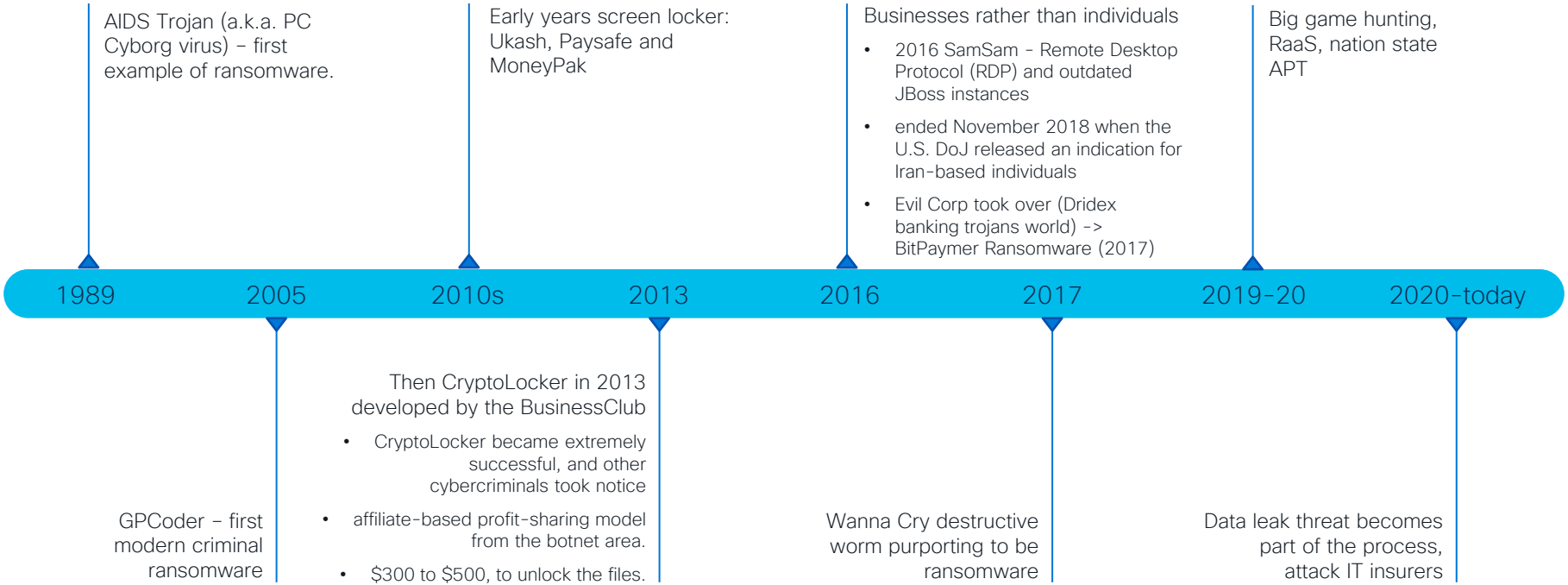


Agenda

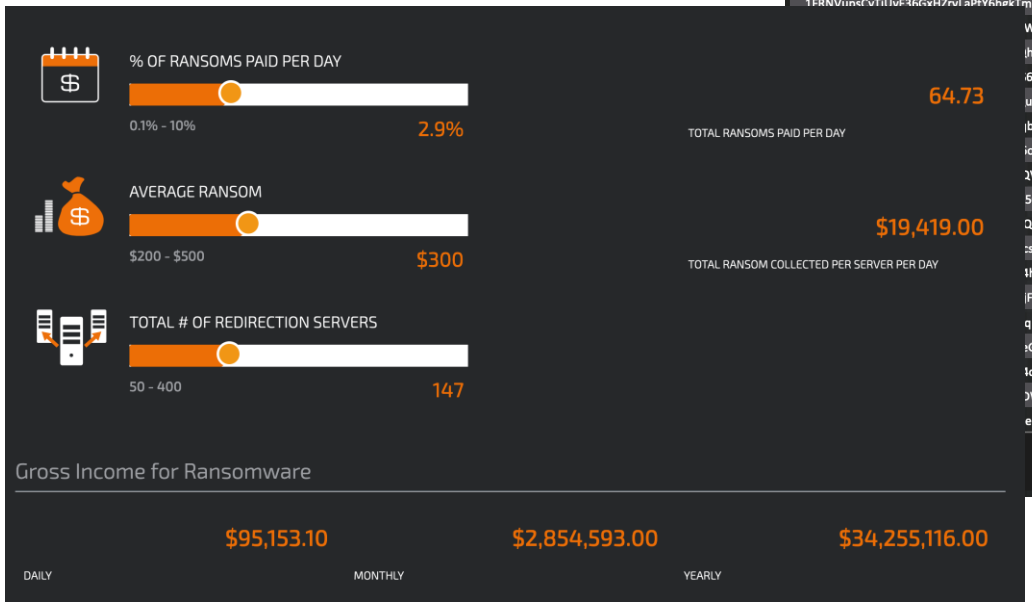
- Ransomware past and evolution
- The ecosystem of ransomware
- What did we think wrongly was ransomware?
- How lucrative is ransomware?
- Who is at risk from attack?
- Future outlook
- What should organizations do?

Ransomware Evolution



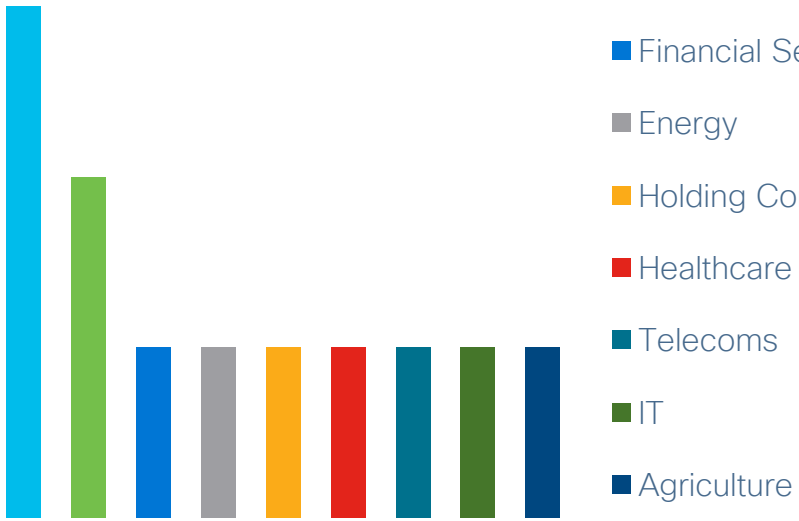
Not Ransomware

Ransoms Paid



Bitcoin Wallet Address	Bitcoins Received	Value in USD
1Kx9TT76PHwk8sw7Ur6PsMWyEtaogX7wWY	182.9999668	$1,462,484.49
12vsQry1XrPjPCaH8gWzDJeYT7dhTmpcjL	55	$439,544.60
15RLWdVnY5n1n7mTvU1zjg67wt86dhYqNj	50.41	$402,862.61
1FtQnqvjxEK5GJD9PthHM4MtdmkAeTeoRt	48.25	$385,600.49
1L9fYHJJxeLMD2yyhh1cMFU2EWF5ihgAmJ	40.035	$319,948.51
1FRNVunsCvTiLvF36GxH7ruLaPtY6hgkTm	38.9999859	$311,676.97
W	35	$279,710.20
hDs	30.00821708	$239,817.27
6H	30.00217032	$239,768.94
u	28	$223,768.16
b	25.00016544	$199,794.32
op	25	$199,793.00
Va	24.077	$192,416.64
5G	30	$159,834.40
Q	13	$103,892.36
sr	10	$79,917.20
hk	10	$79,917.20
FPhK	10	$79,917.20
q	6.4995167	$51,942.32
Gw	3.325	$26,572.47
oJRr	2.79993008	$22,376.26
WAt	1.70004113	$13,586.25
eFAS	0.001	$7.99
	700.1079935	$5,515,149.85

Affected Industries



Cisco Talos Incident Response ransomware incidents per sector, Jan.-Sept. 2022,

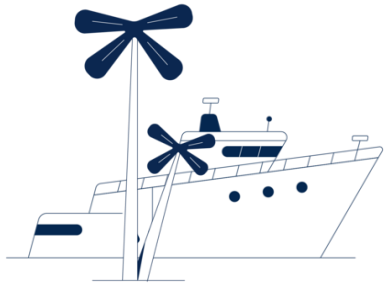
Talos 2022 Year in Review.

21%

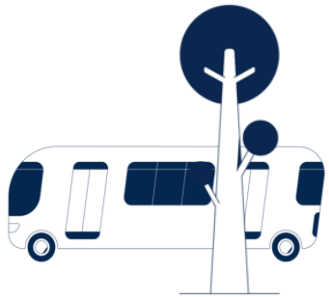
21% of all Incident Response engagements we do are related to ransomware.

Future of Ransomware

Rich ecosystem of potential target systems



VS.



Getting the price point right!

Protection

Multiple overlapping layers

- Keep the ransomware out.
- Detect the ransomware early.
- Recover quickly.

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- Educate users
- Defend the perimeter
- Install end point protection
- Harden & patch systems
- 2-FA
- Back-up, back-up & back-up
- Proactively hunt incursion
- Plan incident response
- Rehearse your plans

Learn more

Visit the Cisco Showcase for related demos

Check out IBOSEC-2012 Ransomware Role-Playing: A Guided Tabletop Exercise with Talos Incident Response

Read the Cisco Talos 2022 Year in Review report at blog.talosintelligence.com/year-in-review/

Keep up with the latest ransomware campaigns and trends at talosintelligence.com

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