Security Awareness Training Session

Nick Forster

SOC Manager

Agenda

- Current Threats & Tactics
- Email & Mobile Device Security
- Security Best Practices
- Discussion & Questions

ACSC Australian Cyber Security Centre

Current Threat Overview

Repurpose Common Tactics

Increase in Stolen Passwords

Phishing Analysis

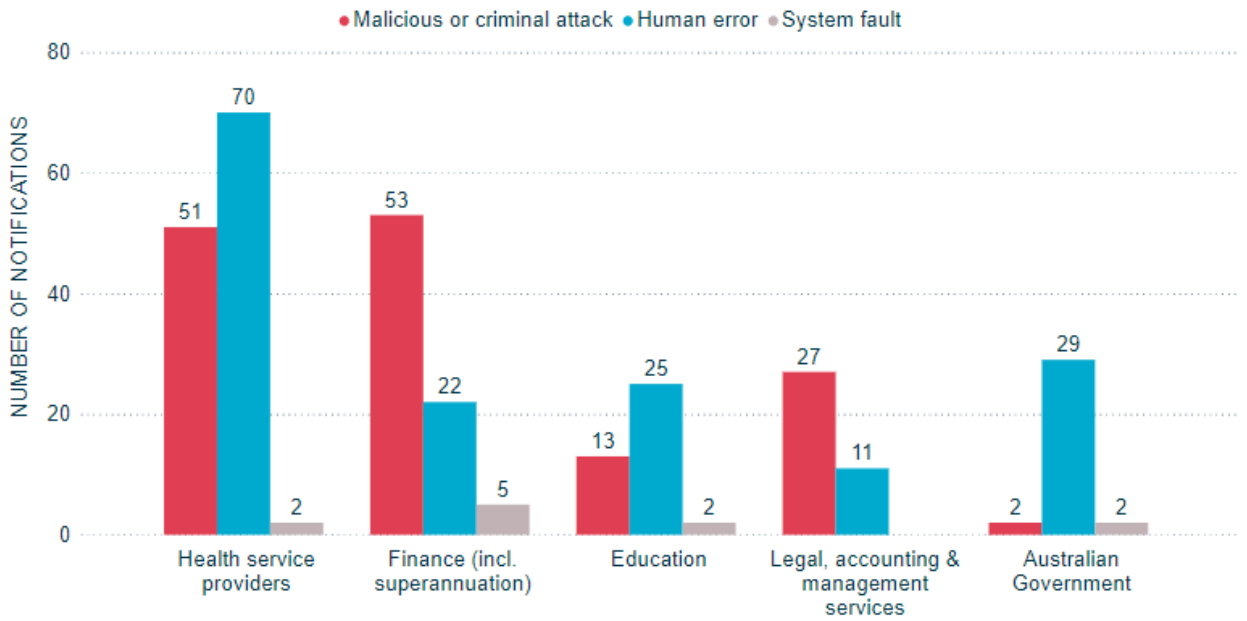
Increase in Human Error

Increase in Ransomware

OAIC Notifications

- ***Office of the Australian Information Commissioner***
- ***Notifiable Data Breach Scheme (Feb 2018)***
- Bi-Annual Report (Jul 20 – Jan 21)

Notifications	Malicious or criminal attack	Human error	System fault
539	58%	38%	5%
Up 5%	Down 1% to 310	Up 18% to 204	No change



themissinglink | SENTINEL WEALTH

Attack Methodology

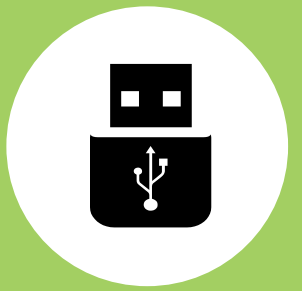
Open-Source Intelligence

WiFi Exploitation

Social Media Exploitation

Spearphishing

Events



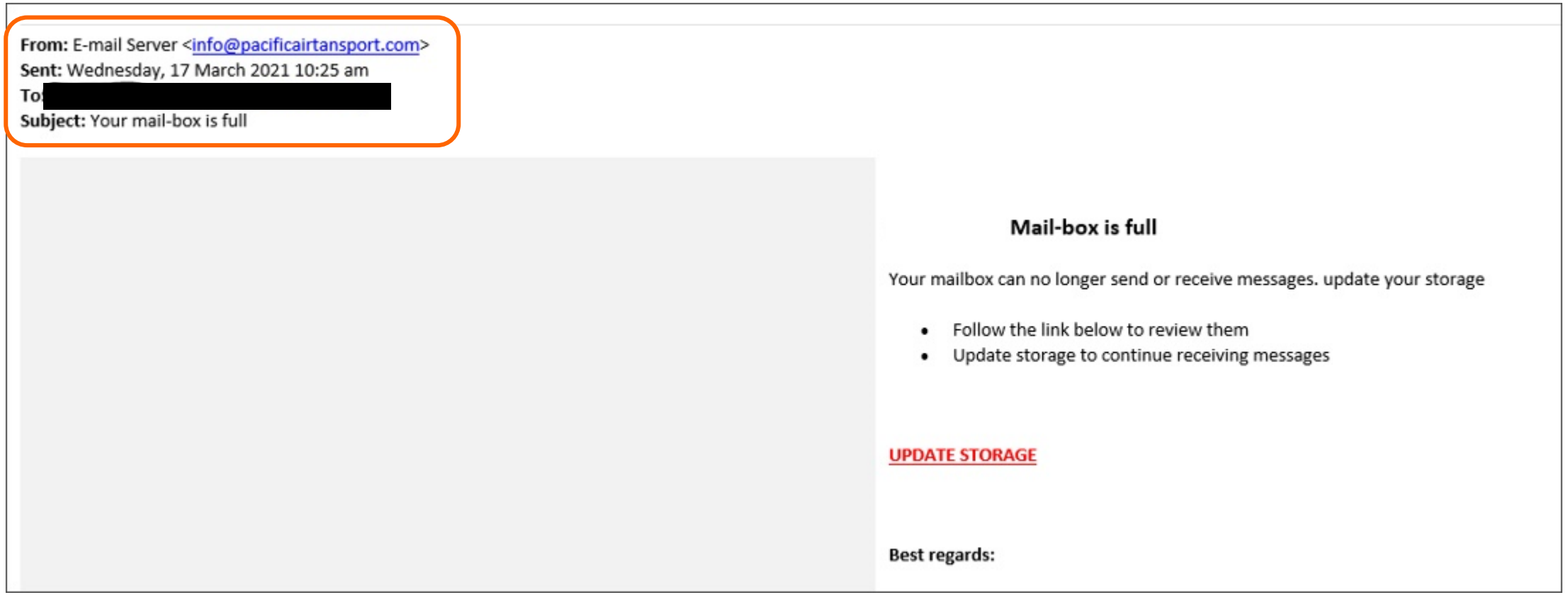
Device

How to Identify a Phish

How to Identify a Phish

Header

H-A-L-T In Action



From: E-mail Server <info@pacificairtansport.com>
Sent: Wednesday, 17 March 2021 10:25 am
To: [redacted]
Subject: Your mail-box is full

Mail-box is full

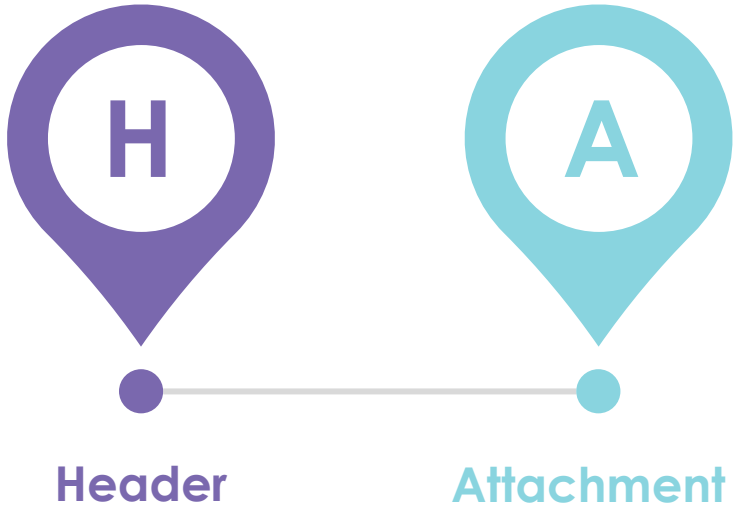
Your mailbox can no longer send or receive messages. update your storage

- Follow the link below to review them
- Update storage to continue receiving messages

UPDATE STORAGE

Best regards:

How to Identify a Phish



H-A-L-T In Action

From: ACCUEIL.DECHETS <accueil.dechets@perpignan-mediterranee.org>
Sent: Friday, 19 March 2021 3:22 pm
To: [redacted]
Subject: 19/03/2021 Settlement / Property Affairs - #B11402021

FNTRACTS#11402021.pdf
42.6kb

Good Day,

Please also find attached our letter of today's date.

Please ensure you send through the documents requested as soon as possible so that we are not in breach.

Thank you

Kind Regards

Accueil Sonia Dechets
Principal Lawyer
PERPIGNAN-MEDITERRANEE
Suite 14/ 1 Elyard Street, Narellan NSW 2567
Phone 1800 675 304 I Fax 1800 993 426 I

E: Accueil@perpignan-mediterranee.com

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legal.platinum propertylaw.au sent you Platinum.pdf

"Kind Regards

Platinum Property Law."

You can download these files now or until **3/22/2021.**
Questions? Ask legal.platinum (legal.platinumpropertylaw.au@protonmail.com)

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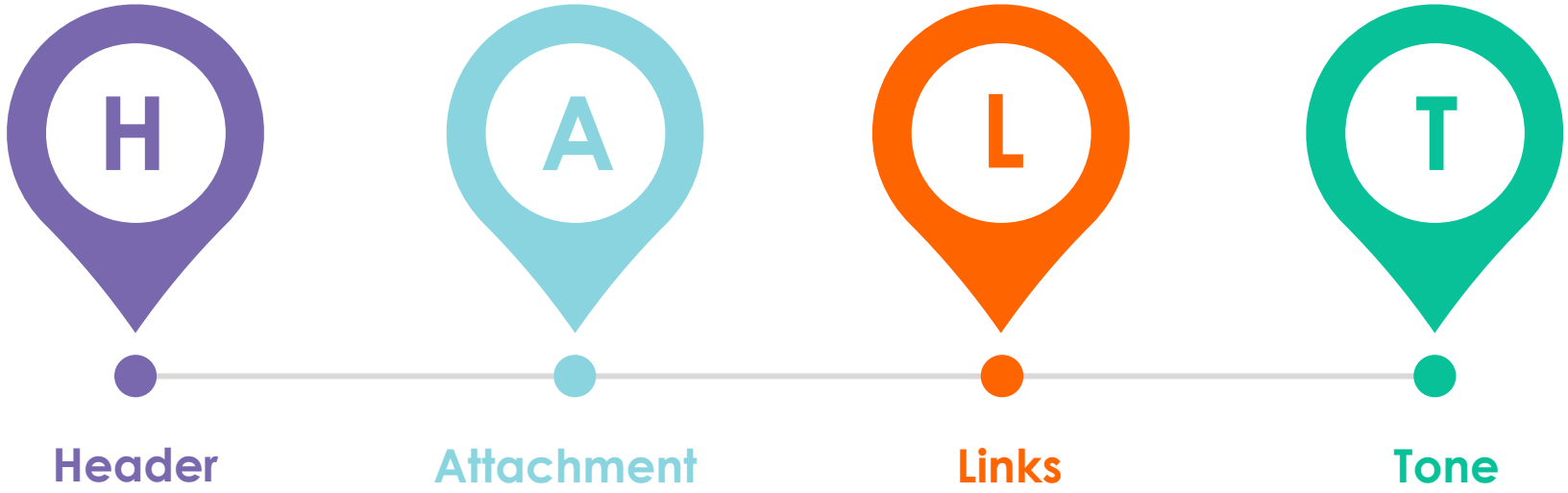
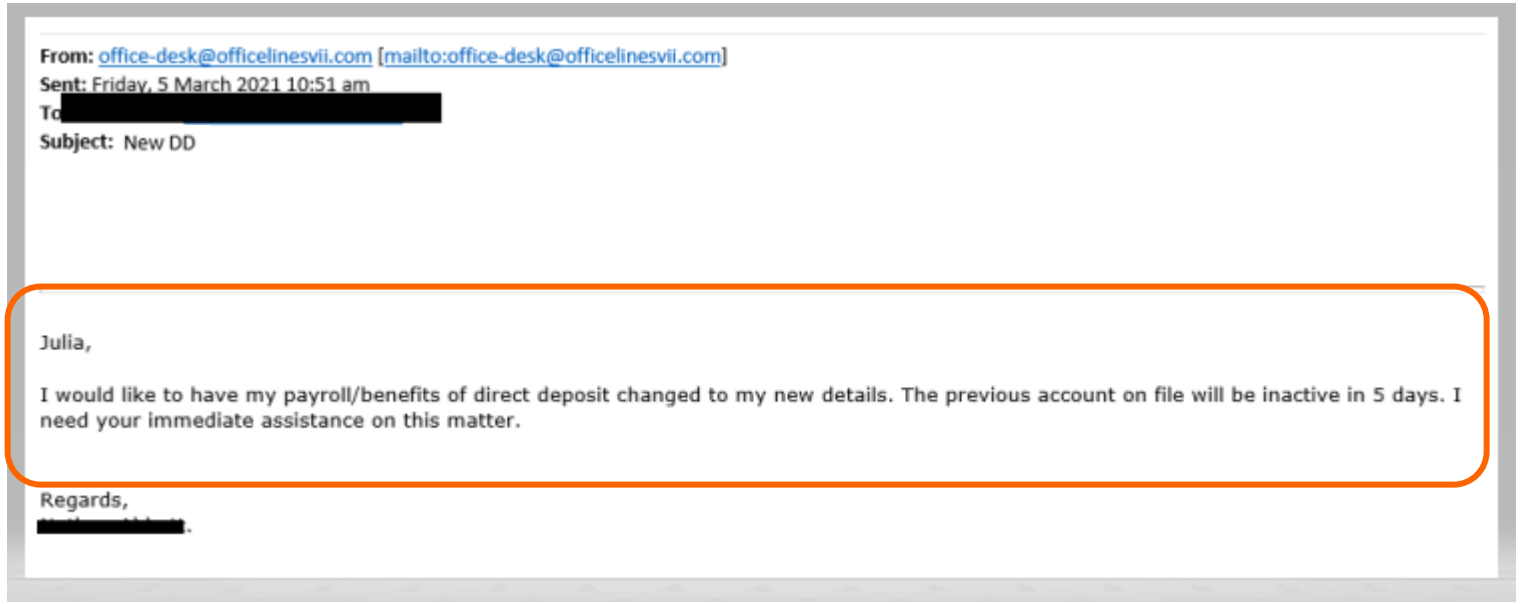


H-A-L-T In Action



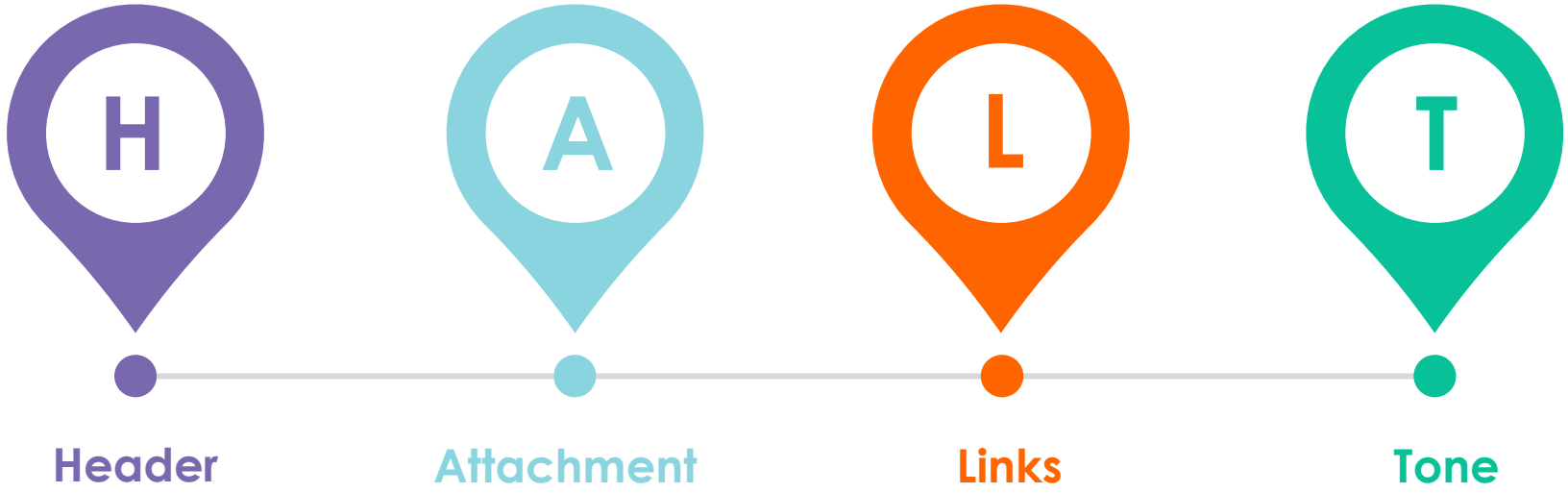
From: office-desk@officelinesvii.com [mailto:office-desk@officelinesvii.com]
Sent: Friday, 5 March 2021 10:51 am
To: [redacted]
Subject: New DD

Julia,

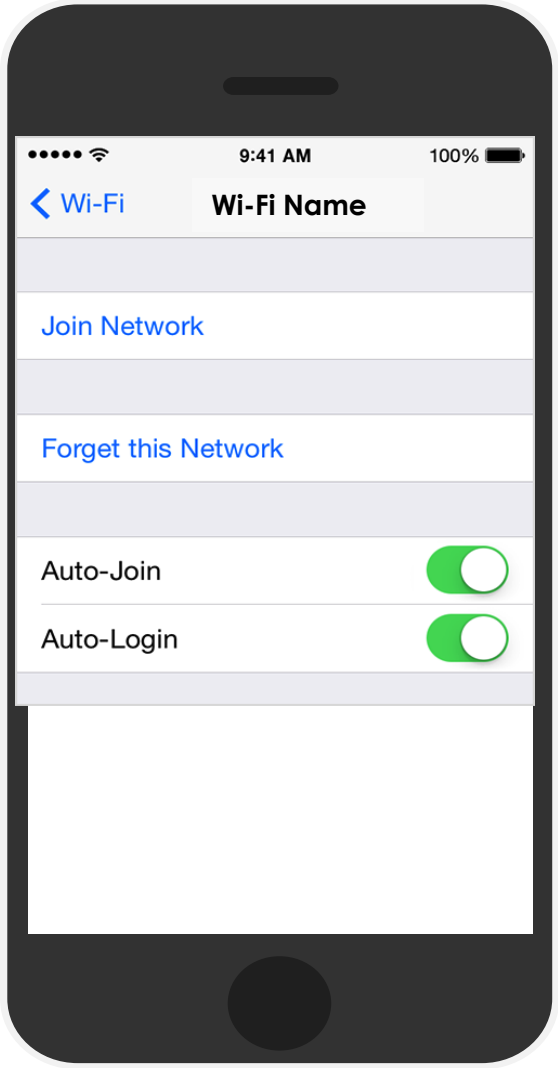
I would like to have my payroll/benefits of direct deposit changed to my new details. The previous account on file will be inactive in 5 days. I need your immediate assistance on this matter.

Regards,
[redacted].

How to Identify a Phish



Mobile Security Awareness - Apple



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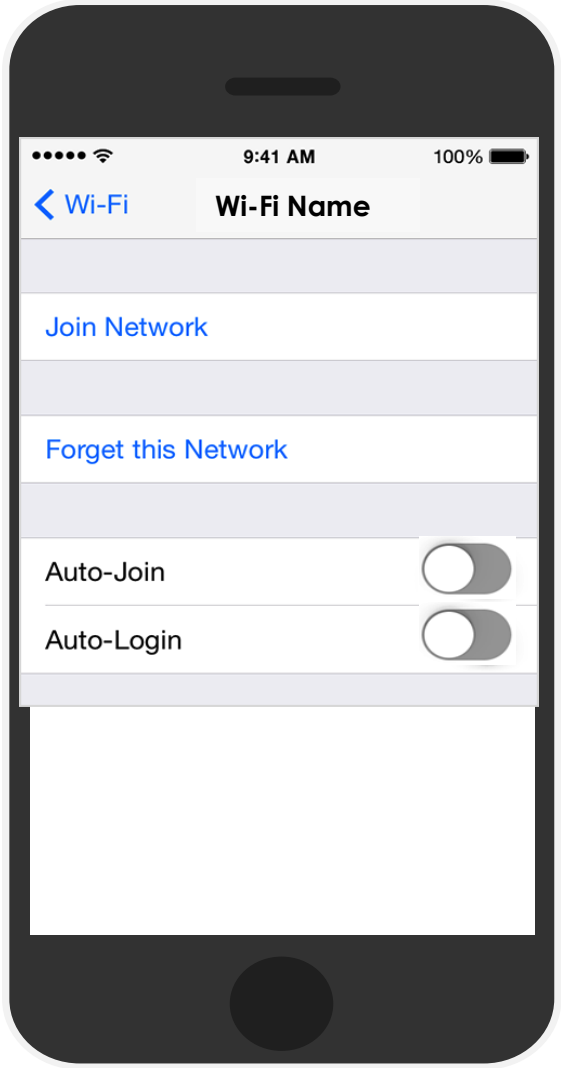
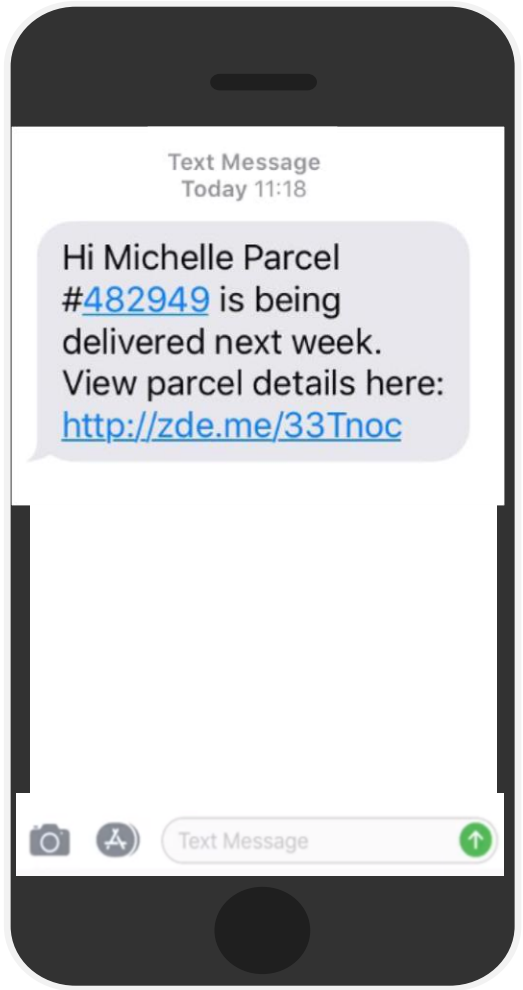
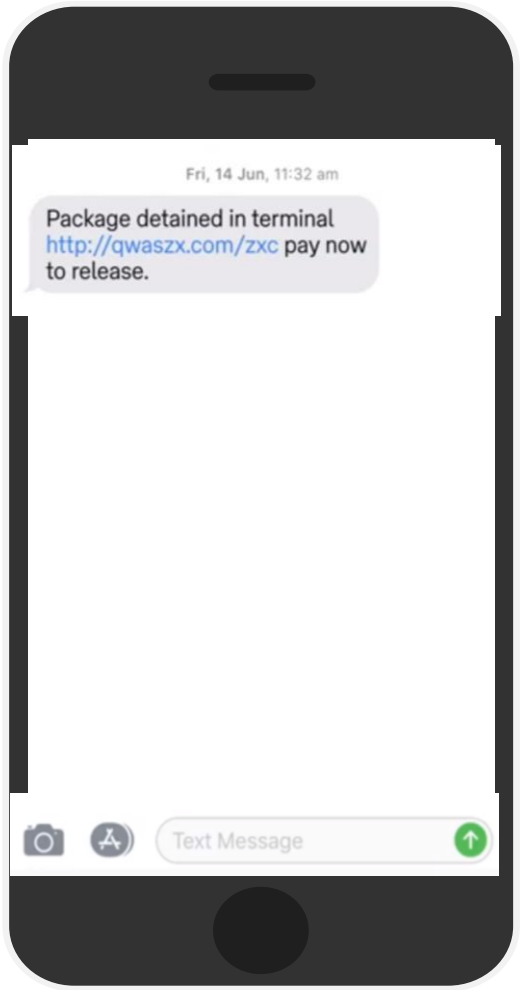
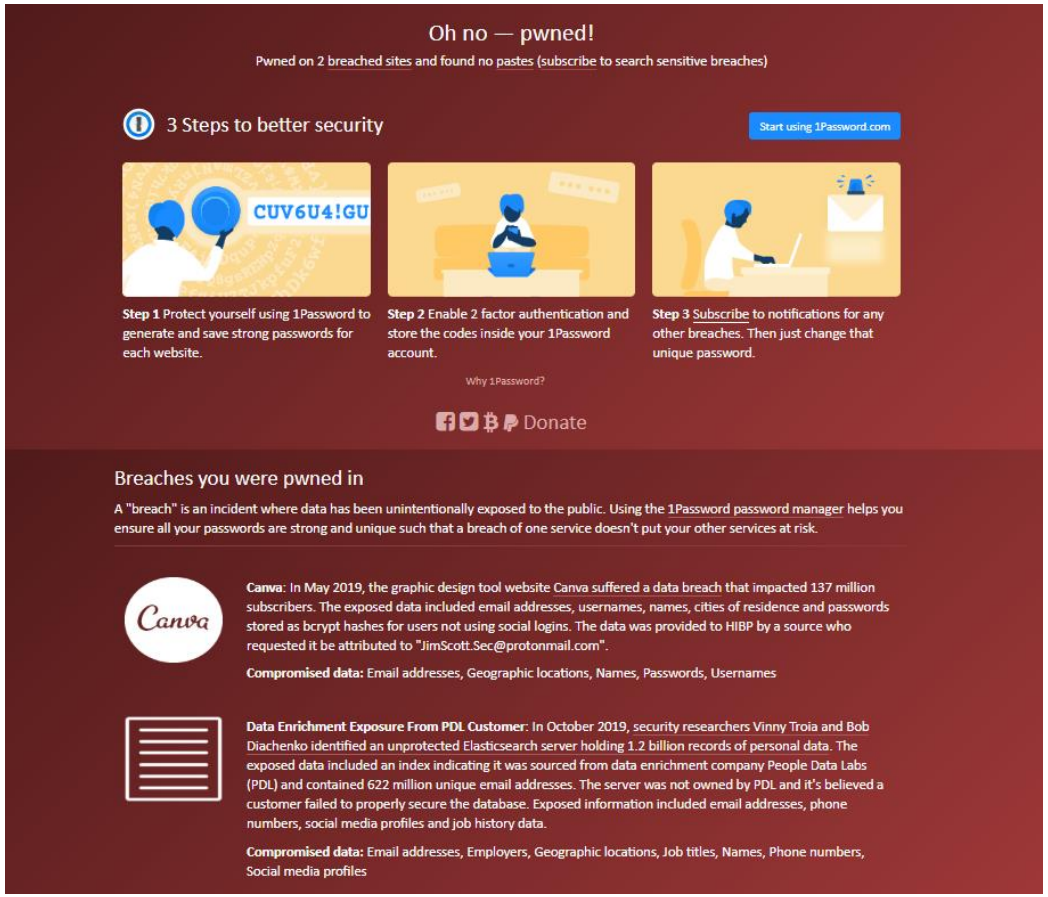


Mobile Security Awareness - SMSishing

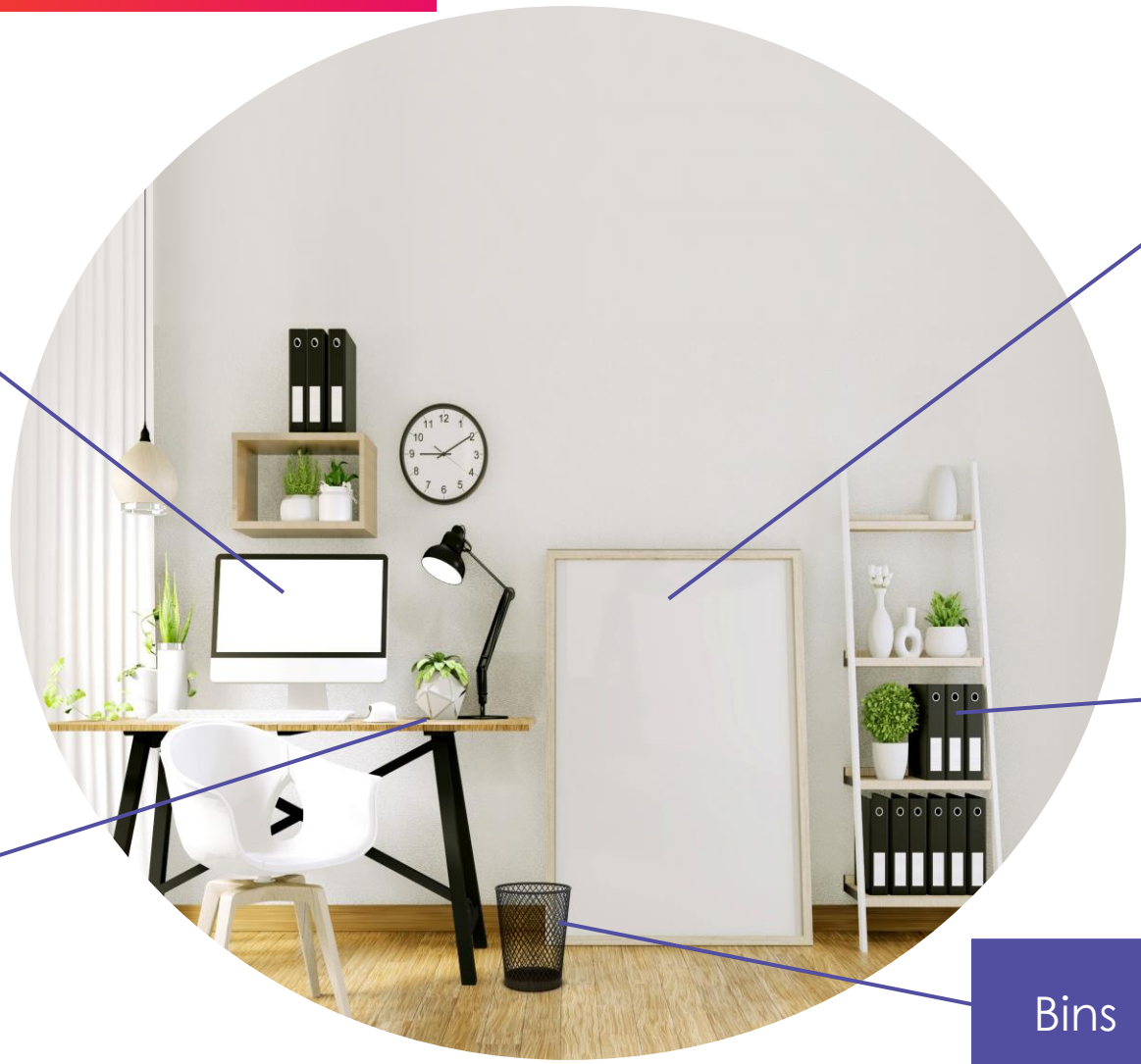




Social Media and Privacy Settings



Physical Security



Screen Lock

Post-Its

Documents

Storage Devices

Bins

The Most Common Passwords of 2020

- **WINNER: “123456”**
- **Less than a second to crack**
- **Exposed over 23 million times this year**

1	**123456**	21	123	41	evite	61	123654	81	asd123	101	jordan	121	hunter	141	anthony	161	456789	181	b123456
2	123456789	22	omgpop	42	123abc	62	ohmnamah23	82	555555	102	anhyeuem	122	686584	142	yugioh	162	azerty	182	whatever
3	picture1	23	123321	43	123qwe	63	12345678910	83	a123456789	103	killer	123	iloveyou1	143	fuckyou1	163	andrea	**183**	**welcome**
4	password	24	654321	44	sunshine	64	zing	84	888888	104	basketball	124	987654321	144	amanda	164	q1w2e3r4	184	ginger
5	12345678	25	qwertyuiop	45	121212	65	shadow	85	7777777	105	michelle	125	justin	145	asdf1234	165	qwer1234	185	flower
6	111111	26	qwer123456	**46**	**dragon**	66	102030	86	fuckyou	106	1q2w3e	126	cookie	146	trustno1	166	hello123	186	333333
7	123123	27	123456a	47	1q2w3e4r	67	11111111	87	1234qwer	107	lol123	127	hello	147	butterfly	167	10203	187	1111111111
8	12345	28	a123456	48	5201314	68	asdfgh	**88**	**superman**	108	qwerty1	128	blink182	148	x4ivygA51F	168	matthew	188	robert
9	1234567890	29	666666	49	159753	69	147258369	89	147258	109	789456	129	andrew	149	iloveu	169	pepper	189	samsung
10	senha	30	asdfghjkl	50	0123456789	70	qazwsx	90	999999	110	6655321	130	25251325	150	batman	170	12345a	190	a12345
11	1234567	31	ashley	51	pokemon	71	qwe123	91	159357	111	nicole	**131**	**love**	151	starwars	**171**	**letmein**	**191**	**loveme**
12	qwerty	32	987654321	**52**	**qwerty123**	72	michael	92	love123	112	naruto	132	987654	**152**	**summer**	172	joshua	192	gabriel
13	abc123	33	unknown	53	Bangbang123	73	football	93	tigger	113	master	133	bailey	153	michael1	173	131313	193	alexander
14	Million2	34	zxcvbnm	54	jobandtalent	74	baseball	94	purple	**114**	**chocolate**	134	princess1	154	00000000	174	123456b	194	cheese
15	000000	35	112233	55	monkey	75	1q2w3e4r5t	95	samantha	115	maggie	135	123456	155	lovely	175	madison	**195**	**passw0rd**
16	1234	36	chatbooks	56	1qaz2wsx	**76**	**party**	96	charlie	116	computer	136	101010	156	jakcgt333	176	Sample123	196	142536
17	**iloveyou**	37	20100728	57	abcd1234	77	daniel	97	babygirl	117	hannah	137	12341234	157	buster	177	777777	197	peanut
18	aaron431	38	123123123	**58**	**default**	78	asdasd	98	88888888	118	jessica	138	a801016	158	jennifer	178	football1	198	11223344
19	**password1**	39	princess	59	aaaaaa	79	222222	99	jordan23	119	123456789a	139	1111	159	babygirl1	179	jesus1	199	thomas
20	qqww1122	40	jacket025	60	soccer	80	myspace1	100	789456123	**120**	**password123**	140	1111111	160	family	180	taylor	200	angel1

Password Best Practices

Composition:

- Minimum of 8 characters or more
- No sequences
- No patterns
- No PII!

Three of the following categories:

- Uppercase (A through Z)
- Lowercase (a through z)
- Numbers (0 through 9)
- Special characters: (~!@*)

Consider Easy to remember random Passphrases such as:

65 - Helicopter – * - cup – Tree = 65Helicopter*cupTree

Passphrases

Discussion

- W4t3Rme!On_nb
- GodSaveTheQueen2021*241187
- @soap483DRUM

Reporting & Immediate Actions

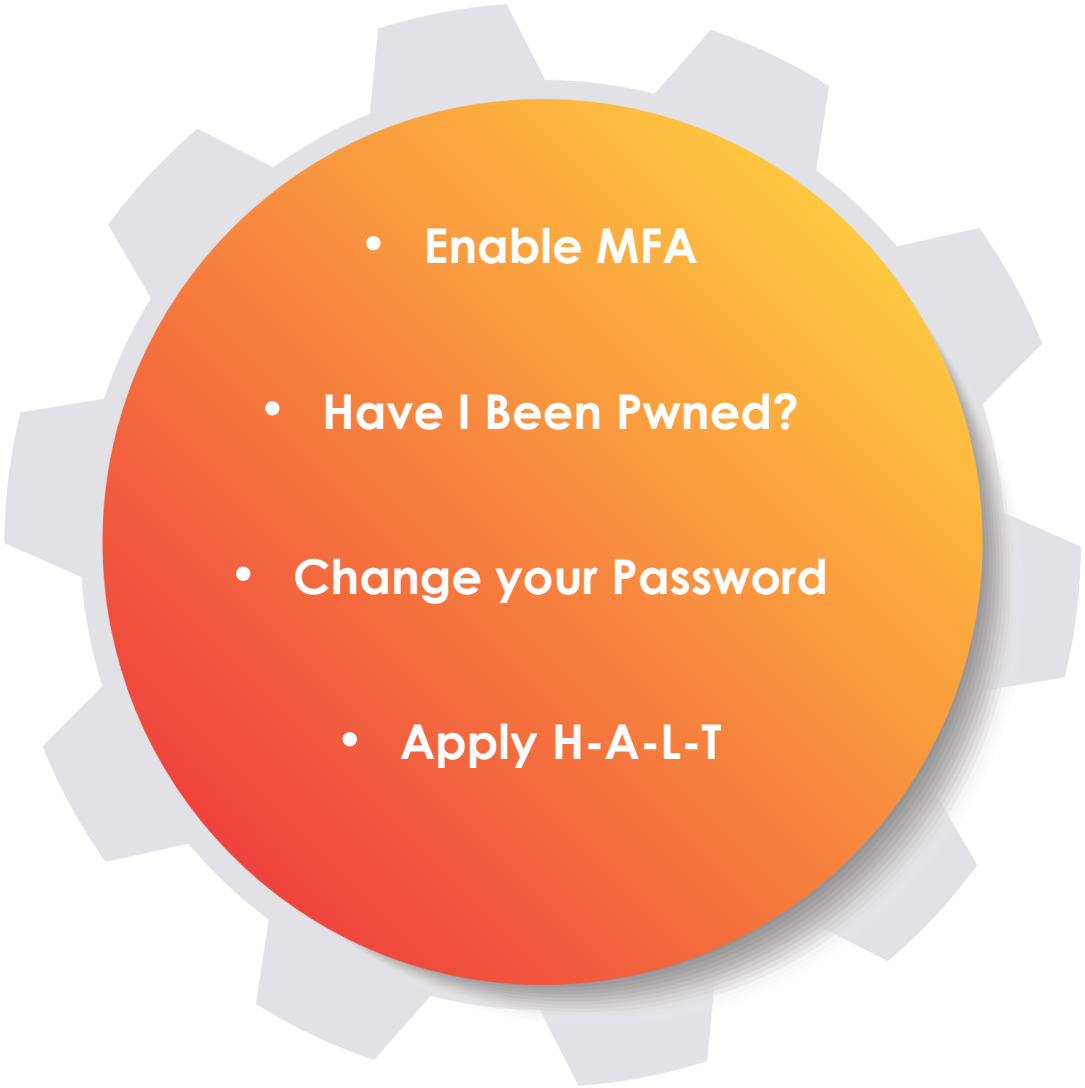
Should you suspect that your computer is infected, take immediate action:

- **Don't Panic**
- Document what you did and saw
- Disconnect from the Network and Internet
- Contact the ACSC Cyber Hotline or the Police

Emergency: 000

ACSC Cyber Hotline:
https://reportapp.cyber.gov.au/#/person

Next Steps…


• Enable MFA
• Have I Been Pwned?
• Change your Password
• Apply H-A-L-T

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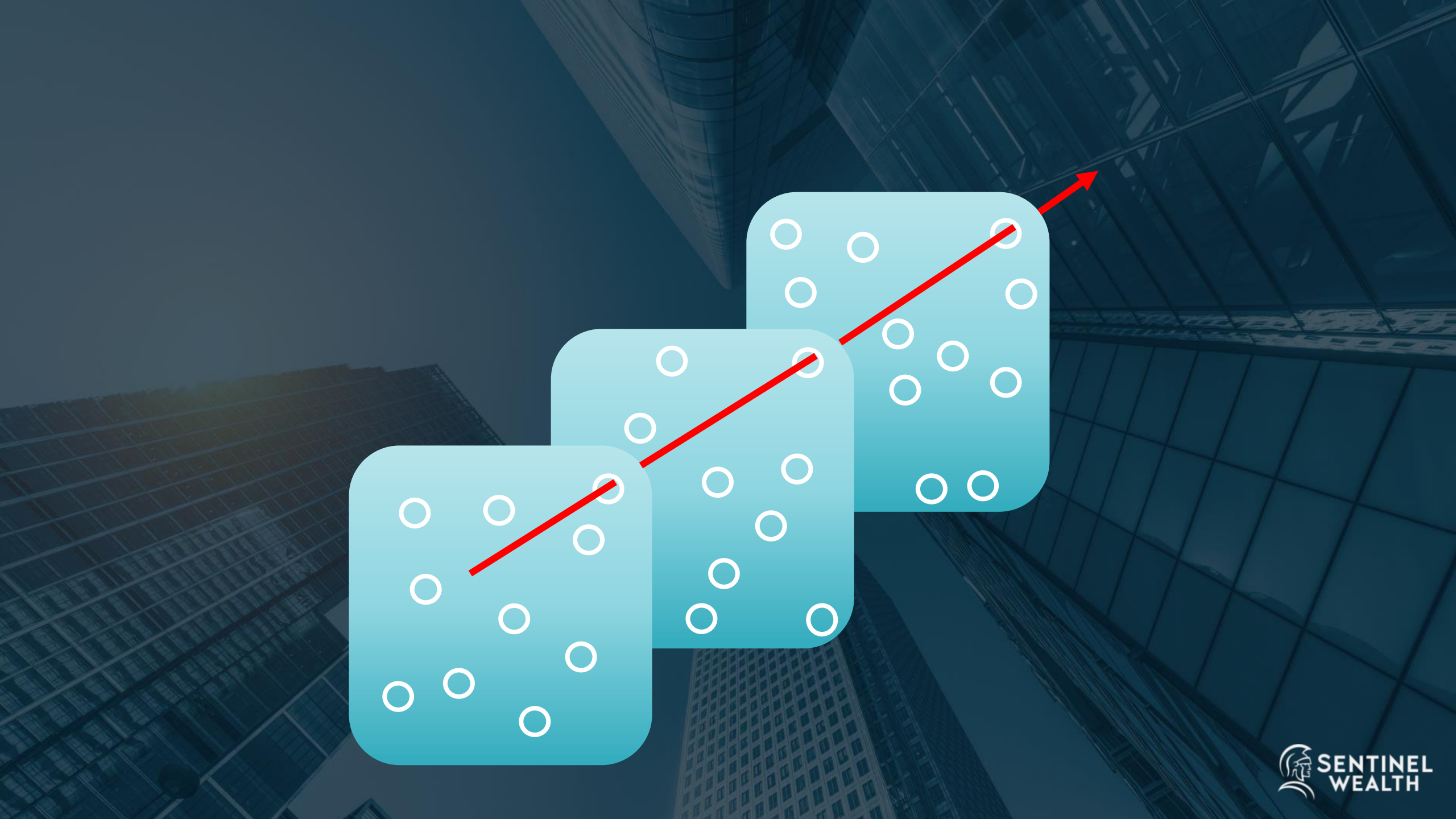
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Q&A

Thank you

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