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Run: Cyber Security - 18 Sep 2017 / Course overview

Course overview

Cyber Security: Safety at Home, Online, in Life

IST VIE	ST	TEP TYPES	Collapse all
1	. Explor	ring personal privacy online (19 steps)	
^	Welcom	ne! Let's get started	
	1.1	Welcome to the course VIDEO (01:39)	
	1.2	Why are you here? DISCUSSION	
	1.3	What is privacy? ARTICLE	
	1.4	How concerned are you about privacy? EXERCISE	
	1.5	Privacy online and offline VIDEO (04:41)	⊘ Edit
^	Our personal data: what value does it have to businesses?		
	1.6	What value do businesses get from our personal data? ARTICLE	
	1.7	Personal risks arising from privacy breaches in business ARTICLE	
	1.8	How do privacy laws govern how companies do business? QUIZ	

٨	What in	formation do we share? Should we be concerned?	
	1.9	Find out about your digital footprint ARTICLE	
	1.10	Comparing your online profile with your privacy preferences DISCUSSION	
	1.11	Finding and understanding privacy policies DISCUSSION	
	1.12	How privacy needs can change over time ARTICLE	
	1.13	Exploring private browsing ARTICLE	
^	What's	most valuable to hackers and criminals?	
	1.14	Why would anyone want your data? VIDEO (06:02)	
	1.15	Cumulative effects ARTICLE	
^	What do	o our experts think?	
	1.16	Usable privacy: a research perspective ARTICLE	
	1.17	Preserving privacy in cloud storage: privacy by design VIDEO (04:01)	
^	Roundin	g up the week	
	1.18	Recapping our exploration of privacy ARTICLE	
	1.19	Staying safe online: personal perspectives VIDEO (05:48)	
^ 2	2. Online	payment security (23 steps)	
^	Welcom	e to payment security week	
	2.1	Welcome to Week 2: payment security VIDEO (00:37)	
	2.2	How payments have changed ARTICLE	
	2.3	Your chance to explore payment changes EXERCISE	
^		fraudsters adapt to new payment technologies and changes in t security?	⊘ Edit
	2.4	The evolving arms race of payment security VIDEO (07:06)	

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2.5	Usability vs security: who pays for fraud? ARTICLE	
2.6	What is it like in your country? DISCUSSION	
2.7	Risk and reward ARTICLE	
2.8	What is the true cost of financial fraud in the UK? QUIZ	
Business	s perspectives	⊘ Edit
2.9	Many fingers in the pie ARTICLE	
2.10	The online retailer ARTICLE	
2.11	Exploring vulnerabilities in online payments VIDEO (05:12)	
Cybercriminals: why do they do it?		
2.12	Motivations, methods and practical attacks by cybercriminals ARTICLE	⊘ Edit
2.13	Black markets: the sale and purchase of stolen credit card details online ARTICLE	⊘ Edit
2.14	What methods and targets are attractive to criminals? ARTICLE	
What co	ontribution does research make in the battle against fraudsters?	
2.15	Regaining an advantage - the role of research ARTICLE	
2.16	Is your mobile phone spying on you? ARTICLE	
2.17	The million dollar contactless payment VIDEO (01:32)	
2.18	Bitcoin: a cryptocurrency ARTICLE	
Reducing our risks		
2.19	Expert advice on protecting your money ARTICLE	
2.20	Phishing QUIZ	
2.21	Staying safe with online payments ARTICLE	
2.22	Auditing your Mobile App permissions ARTICLE	⊘ Edit
Summar	у	
	2.6 2.7 2.8 Business 2.9 2.10 2.11 Cybercr 2.12 2.13 2.14 What co 2.15 2.16 2.17 2.18 Reducin 2.19 2.20 2.21 2.22	2.5 Usability vs security: who pays for fraud? ARTICLE 2.6 What is it like in your country? DISCUSSION 2.7 Risk and reward ARTICLE 2.8 What is the true cost of financial fraud in the UK? QUIZ Business perspectives 2.9 Many fingers in the pie ARTICLE 2.10 The online retailer ARTICLE 2.11 Exploring vulnerabilities in online payments VIDEO (05:12) Cybercriminals: why do they do it? 2.12 Motivations, methods and practical attacks by cybercriminals ARTICLE 2.13 Black markets: the sale and purchase of stolen credit card details online ARTICLE 2.14 What methods and targets are attractive to criminals? ARTICLE What contribution does research make in the battle against fraudsters? 2.15 Regaining an advantage - the role of research ARTICLE 2.16 Is your mobile phone spying on you? ARTICLE 2.17 The million dollar contactless payment VIDEO (01:32) 2.18 Bitcoin: a cryptocurrency ARTICLE Reducing our risks 2.19 Expert advice on protecting your money ARTICLE 2.20 Phishing QUIZ

	2.23	Over to you - what are your ideas? DISCUSSION	
^ 3	3. Securit	ty in the future home (20 steps)	
^	The futu	ure home is a connected home	
	3.1	Welcome to Week 3: security in the future home VIDEO (00:59)	
	3.2	Devices in the future home VIDEO (03:26)	
	3.3	How many connected devices do you own? EXERCISE	
	3.4	Issues raised by connected devices? DISCUSSION	
^	Smart d	evices bring ease and convenience	
	3.5	Case study 1: the ordering stick ARTICLE	
	3.6	Case study 2: the door ARTICLE	
	3.7	Case study 3: Co-wheels ARTICLE	
	3.8	Staying in control ARTICLE	
^	How do our connected homes expose us?		
	3.9	Crime ARTICLE	
	3.10	STRIDE ARTICLE	
	3.11	Apply the STRIDE model to the future home QUIZ	
	3.12	How are these new threats different from the old ones? DISCUSSION	
^	What will you compromise in the security-usability tradeoff?		
	3.13	Security privacy tradeoff ARTICLE	
	3.14	Exploring security: biometric authentication VIDEO (05:13)	
	3.15	Exploring security: the Access Control Live Lab VIDEO (03:47)	
	3.16	Is security a matter of trade-off? DISCUSSION	
^	How do	businesses protect themselves from attack?	
	3.17	Zero-day vulnerabilities and bounty programs ARTICLE	

^	What have we learned?	
	3.18 Test your understanding TEST	
	3.19 What will you do differently, or do next? DISCUSSION	
	3.20 Wrapping up ARTICLE	