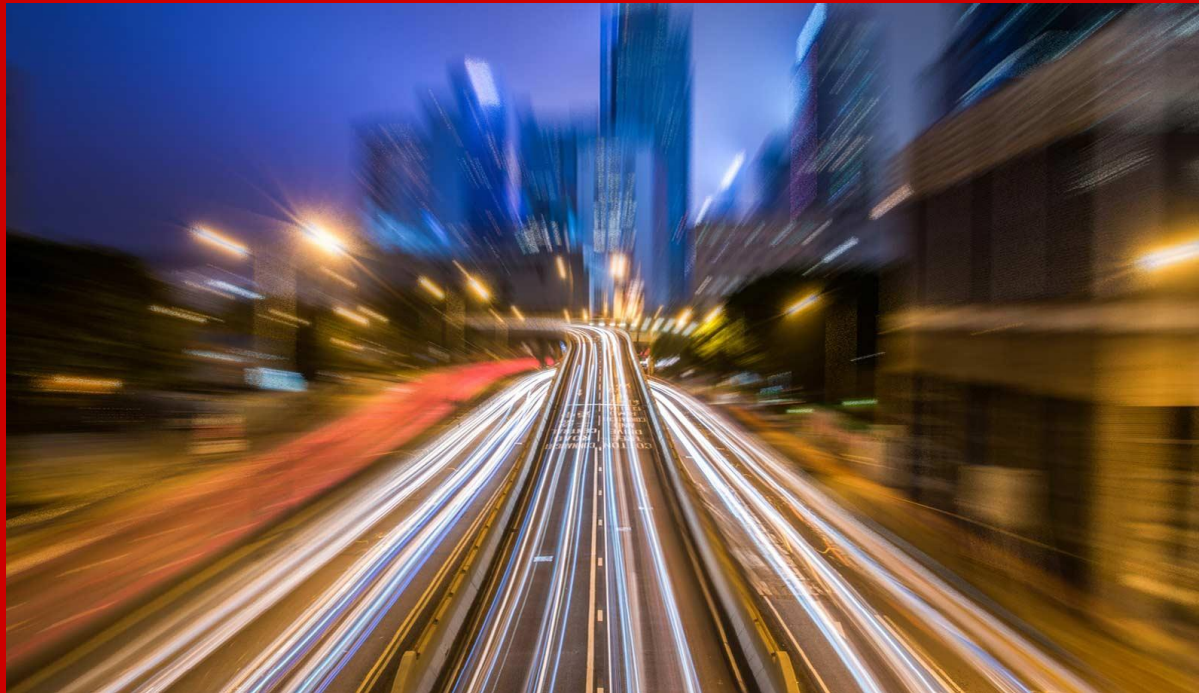
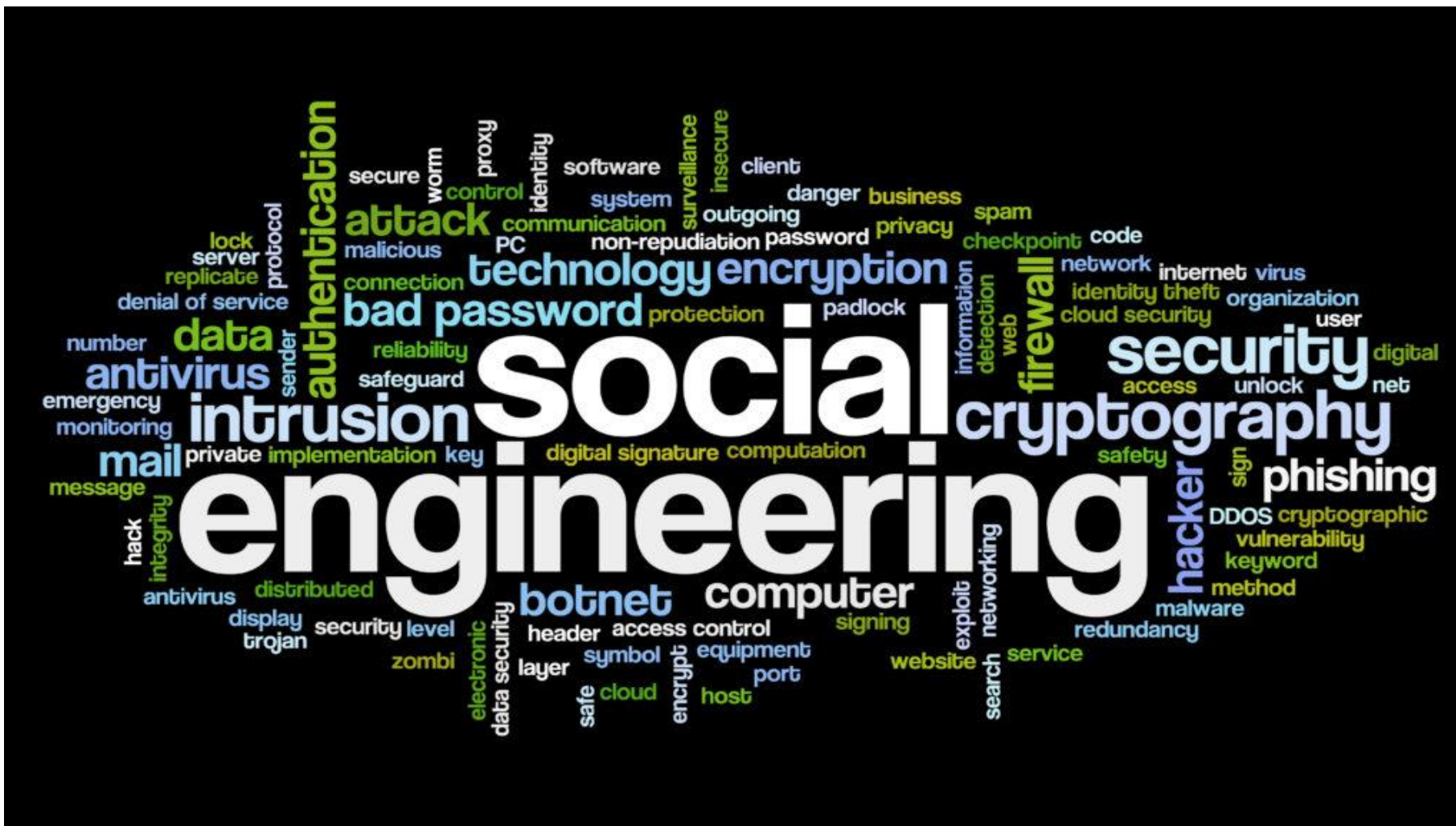


Optimizing Cybersecurity



A quick review



2010 to Present

GLOBAL MEDIAN DWELL TIME

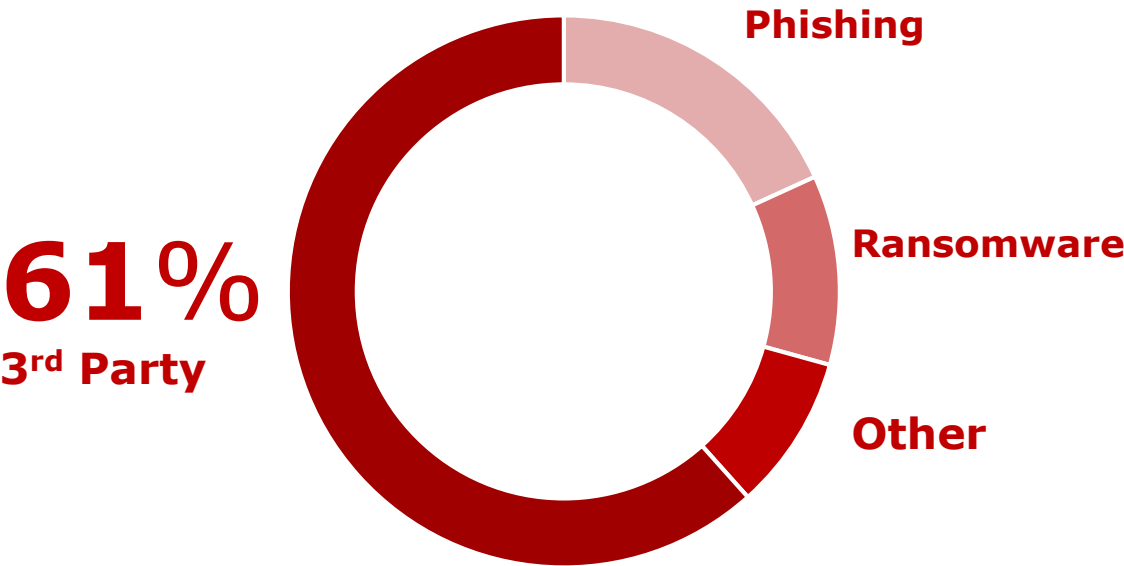
Compromise Notification	2011	2012	2013	2014	2015	2016	2017	2018
All	416	243	229	205	146	99	101	78
External					320	107	186	184
Internal					56	80	57.5	50.5



Compromise Notifications	2011	2012	2013	2014	2015	2016	2017	2018
External	94%	63%	67%	69%	53%	47%	38%	41%
Internal	6%	37%	33%	31%	47%	53%	62%	59%

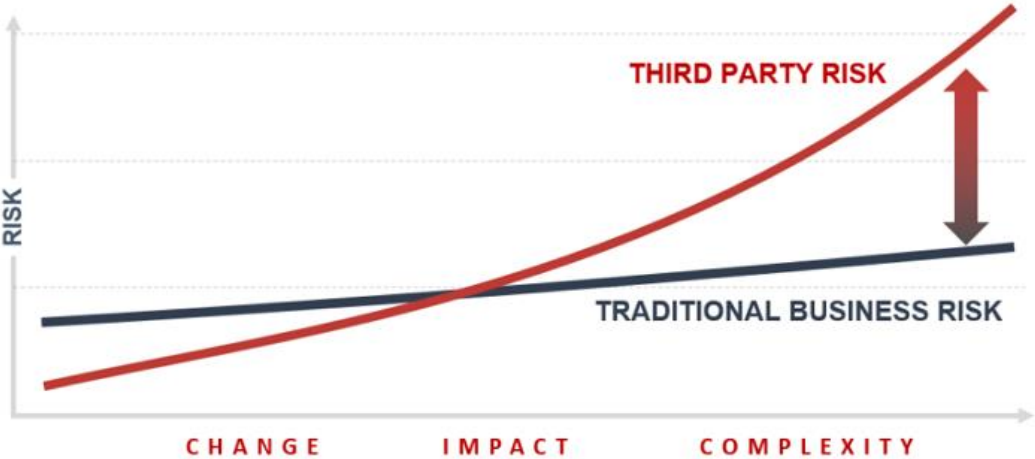
We aren't a target

Breach types



Potential Impact

Digital Transformation introduces
Third Party Risk



What's the plan?



Action items

- **Secure by design**
- **Get advice**
- **Put checksums in place to test efficacy**
- **Consolidate to bring fidelity**



What lies ahead...





THANK YOU