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| Data loss | Statista | Seals 2017 | Prakash 2020 | (Mamonov & Benbunan-Fich, 2018) | (Manworren, Letwat, & Daily, 2016). | (Betanews, 2019) |
| Bckgrd  Def | 2.1 billion smartphones in the world  -350,000 cyber-attacks  - | 134,000 were ransomware attacks on businesses  **Data loss** occurs when valuable or sensitive information on a computer is compromised due to theft, human error, viruses, malware, or power failure. It may also occur due to physical damage or mechanical failure or equipment of an edifice. | -devices recording or listening in on conversations, as well as the risk of information being leaked over the connected network. | Online  In 2015 alone, the CIA discovered that 47 government agencies, including the department of homeland security, were compromised. This resulted in over 21 million government employee accounts being breached. | Data breaches have become more and more frequent and damaging to businesses | Data loss is an error condition in information systems in which information is destroyed by failures or neglect in storage, transmission, or processing. Information systems implement backup and disaster recovery equipment and processes to prevent data loss or restore lost data. |
| Threats |  | P66 dependent on smartphone applications for day to day activities | online banking, takeaway apps (dominos, deliveroo, etc) and online shopping. | They state that 55% of Smart-Apps do not use all of the rights to the device operations that it requests. |  |  |
| Leaks |  |  |  | data security breaches tend to be exacerbated by news feeds and media attention |  |  |
| Breaches |  |  |  |  | Data breaches have become more and more frequent and damaging to businesses |  |
| Case examples |  |  |  |  |  | Recently, ASUS had their live update hacked, where the attackers placed malware that would be installed when the live update was used. The aim of this attack was to create a backdoor on users devices in order to ShadowHammer malware |