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# Practical Issues around Data Protection

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Cybersecurity is no longer just an IT  
issue—it is an overall business risk issue.



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## Easily Avoidable Incidents

91% in 2015

91% in 2016

93% in 2017



- 63% confirmed breaches from weak, default, or stolen passwords
- Data is lost over 100x more than stolen
- Phishing used most to install malware

## Downtime from a Ransomware Attack is still the most Dangerous Complication

Average Days of Downtime

19

+19% from Q2 2020

Source: <https://www.coveware.com/blog/q3-2020-ransomware-marketplace-report>

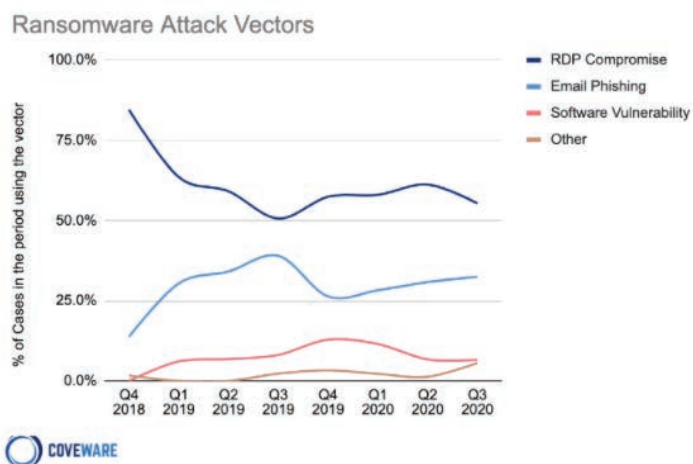
# Most Common Causes & Solutions

<b>RDP Access</b>	<ul style="list-style-type: none"> <li>• This is random – scanning web for Internet facing RDP access</li> <li>• Virtual Private Network (VPN) with Multifactor Authentication (MFA)</li> </ul>
<b>Phishing</b>	<ul style="list-style-type: none"> <li>• Email phishing tool</li> <li>• Workforce training and simulated phishing</li> </ul>
<b>Unpatched / Outdated Software</b>	<ul style="list-style-type: none"> <li>• Install patches timely</li> <li>• No unsupported software</li> </ul>
<b>Passwords</b>	<ul style="list-style-type: none"> <li>• Multifactor Authentication (MFA)</li> <li>• Longer passphrases</li> </ul>
<b>Backups, Backups, Backups!</b>	<ul style="list-style-type: none"> <li>• 3-2-1 Backup Process</li> <li>• Something comparable – you may end up with only your offline backup</li> </ul>

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# Most Common Causes

Ransomware Attacks by Methods, Victims size, and Complexity



Ransomware attack vectors: RDP compromise, email phishing, software vulnerability, and others.

Source: <https://www.coveware.com/blog/q3-2020-ransomware-marketplace-report>

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