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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>

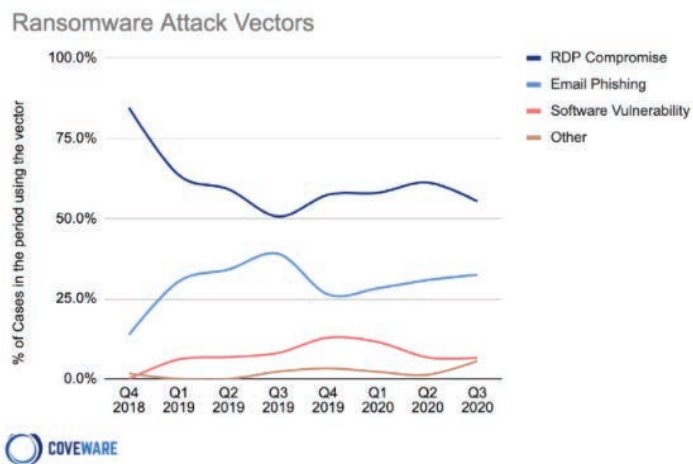
Most Common Causes & Solutions

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Unpatched / Outdated Software	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

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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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