Deloitte. Staying safe – sustaining your organizational cyber hygiene amid COVID-19 disruption

Within a matter of days, business operations across industries and geographies have been radically altered. After initial business continuity efforts, organizations should now consider establishing new operating models to address an unplanned, rapid, and massive shift to a remote workforce. The ability to remain connected and productive is critical to executing the mission and may dictate the survival of the business. Meanwhile, our public health remains threatened and digital risks are rising. In the coming months, organizations should consider leveraging a risk-based approach to realign business and security priorities to adapt to a new, increasingly complex, and more difficult IT landscape.

Security challenges heightened by COVID-19:



Although many of these security challenges existed prior to the COVID-19 pandemic, they now pose an even greater threat to businesses as the size and scale of connectivity for remote operations expands. The current environment dictates that leaders place greater focus on these issues, while also prioritizing business agility. Risk-driven prioritization of initiatives during this time enables the mission, while providing long-term operational viability and organizational resilience.



For further clarification on services & next steps contact: Coronavirus Response | <u>USCyberCoronavirusResponse@deloitte.com</u> | Deborah Golden | <u>debgolden@deloitte.com</u> | Jason Frame | <u>jframe@deloitte.com</u> | Kelly Miller Smith | <u>kellysmith@deloitte.com</u> |

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Implement and scale security controls for a mobile workforce Define and communicate adjustments to privacy and data Secure systems that enable remote access protection frameworks Maintain security updates/patching for Virtual Private Networks (VPNs) Identify deviations from normal data flows and impacts on laws/regulations Consider whether explicit consent is required to adjust processes Implement multi-factor authentication (MFA) for remote access Confirm sufficient number of VPN software client licenses are Evaluate implications of shifting privacy directives on business processes available • Determine contractual coverage for third-party support areas Determine data protection strategies to accommodate operational shifts and Employ VPN split tunneling for improved performance implement Privacy by Design (PbD) where feasible Implement Cloud Access Security Broker (CASB), Secure Web Disseminate notices to customers where applicable Gateway (SWB), and other capabilities for SaaS and other hosted cloud-based platforms Evaluate additional insurance options given elevated risk of a privacy breach Conduct a threat/risk assessment of new technologies to include integration Reinforce identity and access control mechanisms with data privacy regulations Adjust user roles and permission sets to accommodate new work Implement technologies and processes to align with new IT requirements (e.g. rotational roles, remote access permissions for operations model and accommodate capacity strains rulesets that traditionally may not allow for remote access) Require authentication for network and cloud-based systems and Adjust existing rulesets for tools (e.g., DLP, CASB, and UEBA) to align with new applications based on risk, including MFA and Single-Sign-On (SSO) data and collaboration patterns and identify anomalous behavior Implement Privileged Access Management (PAM) Implement private access tools to allow for secure access to data and Confirm use of least privilege principles across enterprise applications for credentialed users applications and systems Implement secure virtual desktop environments to enable remote access and Create a plan to navigate increased volume of individual rights disable access to local storage and connected devices requests and greater effort required to keep inventory of personal Leverage email and file level rights management for sensitive communications information processing up to date with business and technology Strengthen insider threat prevention & detection capabilities changes Implement Data Loss Prevention (DLP), User and Entity Behavior Analytics Bolster endpoint security (UEBA) and Document Rights Management (DRM) technologies Confirm configuration of host-based firewalls, antimalware and Encrypt and password-protect files, particularly where DRM is not possible, and intrusion detection/prevention system (IDS/IPS) systems provide password to intended recipient separately and via a separate Confirm ability to patch and distribute software remotely communications channel (e.g., phone call, SMS text) Consider Mobile Device Management (MDM) technologies for Create tripwires associated with specific words within email content and policies **BYOD** needs prohibiting unmanaged USB devices Communicate with and train employees to take an active role in security Update / tailor, as required, and implement employee **Determine PMO communications strategy** Plan PMO communications cadence, role-based content, mediums, etc. security awareness, education & training Include resources to facilitate engagement and prioritize physical and Review and update policies, trainings, and communications, as required: mental well-being Identify areas that may require updated policies to accommodate changes to regular operating procedures Create and communicate resources to support secure Communicate policies (and updates), expectations and available resources to remote work environments, including: employees and contractors Updating wireless network name (SSID) to prevent identifying owner/user(s) Determine deficiencies in the workforce's cybersecurity awareness, Changing default or updating weak wireless network passwords knowledge and skills and identify trainings that may be valuable to push out as Enabling wireless encryption (WPA2-AES) refreshers Deploying home network routers that provide firewall and network access Continually update cybersecurity awareness, education and training to focus translation (NAT) and enable web content filtering services on current and pervasive phishing campaigns and social engineering attack Requiring use of corporate VPNs and disabling home network file sharing vectors (e.g. COVID-19-related schemes) Locking unattended devices & preventing others from using company devices Provide clear guidance and procedures for suspected malware incident. Being mindful of shoulder surfing depending on remote work setup particularly ransomware, in order for employees to take immediate action and Securing PHI/PII in a locked safe or drawer and secure printing practices help contain incident damage and spread Takeaways

Organizations should prepare for the long haul as they seek to serve customers and their workforce in the coming months. There is unlikely to be a "quick fix" to COVID-19-driven challenges; and when a return to normalcy occurs, it is likely to be gradual rather than a quick shift back to regular operations. Further, "regular" operations post-pandemic may be fundamentally different from those prior to this global outbreak, with impacts on organizational business models, resilience, and culture still unknown. **Actions now will dictate risk exposure for months**, if not longer, and gradual steps to mitigate IT-based risks will help safeguard organizational resiliency for the future.

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Act rapidly to adopt a risk-based approach to managing elevated threat levels
Adjust your infrastructure to keep an active pulse on data protection and privacy
Empower your employees to work securely, while promoting

work securely, while promoting physical and mental well-being

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