



Your success depends on Cyber Readiness. Both depend on YOU.

THE LEADER'S GUIDE

Reducing your organization's cyber risks requires a holistic approach - similar to the approach you would take to address other operational risks. As with other risks, cyber risks can threaten:

YOUR ABILITY TO OPERATE / ACCESS INFO

YOUR REPUTATION / CUSTOMER TRUST



YOUR BOTTOM LINE

Managing cyber risks requires building a culture of cyber readiness.

Essential Elements of a *Culture of Cyber Readiness*: Your Staff - The Users Your Systems - What Makes You Operational 8 Develop security awareness and vigilance Drive cybersecurity strategy, investment Protect critical assets and applications Your awareness of the basics drives cybersecurity to be a major Your staff will often be your first line of defense, one that must part of your operational resilience strategy, and that strategy have - and continuously grow - the skills to practice and maintain valuable of a business' intangible assets. requires an investment of time and money. readiness against cybersecurity risks. Your investment drives actions and activities that build and into and around these. sustain a culture of cybersecurity. Your Data - What the Business is Built On **Your Actions Under Stress** (25 Make backups and avoid the loss of Limit damage and quicken restoration of 111 information critical to operations normal operations The authority and access you grant employees, managers, and Even the best security measures can be circumvented with a customers into your digital environment needs limits, just as those patient, sophisticated adversary. Learn to protect your information where it is stored, processed, and transmitted, set in the physical work environment do. Setting approved access privileges requires knowing who operates Have a contingency plan, which generally starts with being able to

recover systems, networks, and data from known, accurate

CISA.gov/Cyber-Essentials

The strategy for responding to and recovering from compromise: plan, prepare for, and conduct drills for cyberattacks as you would a fire. Make your reaction to cyberattacks and system failures an extension of your other business contingency plans.

This requires having established procedures, trained staff, and knowing how - and to whom - to communicate during a crisis.

Your Surroundings - The Digital Workplace Ensure only those who belong on your

on your systems and with what level of authorization and

Yourself - The Leader

digital workplace have access

and culture

backups.

accountability.

For tech specs on building a Culture of Cyber Readiness, flip page

YOUR ORGANIZATION'S SURVIVAL



Information is the life-blood of any business; it is often the most

Know where this information resides, know what applications and networks store and process that information, and build security



BOOTING UP

Backup Data

Employ a backup solution that automatically and continuously backs up critical data and system configurations.

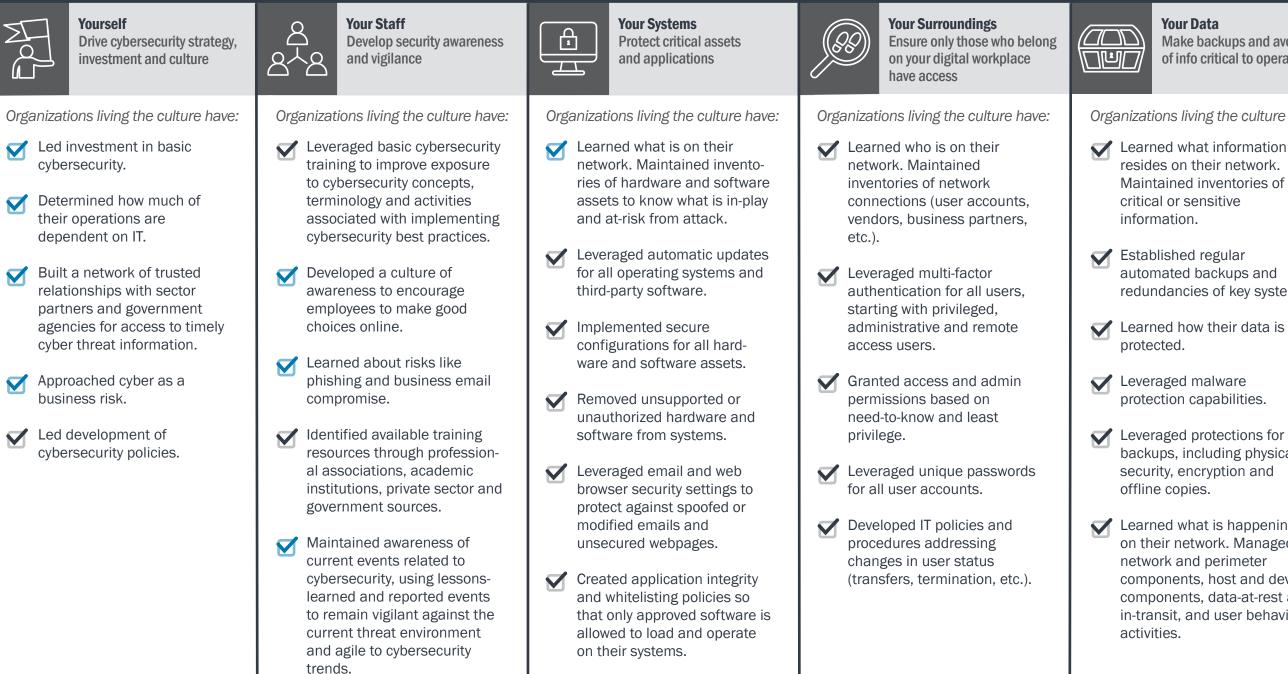
Multi-Factor Authentication

Require multi-factor authentication (MFA) for accessing your systems whenever possible. MFA should be required of all users, but start with privileged, administrative and remote access users.



THE IT PROFESSIONAL'S GUIDE Actions for leaders.

Essential Actions for Building a *Culture of Cyber Readiness:*



Patch & Update Management

Enable automatic updates whenever possible. Replace unsupported operating systems, applications and hardware. Test and deploy patches quickly.

Your Data

Make backups and avoid loss of info critical to operations

Organizations living the culture have:

- resides on their network. Maintained inventories of
- automated backups and redundancies of key systems.
- Learned how their data is
 - protection capabilities.
- Leveraged protections for backups, including physical security, encryption and
- Learned what is happening on their network. Managed network and perimeter components, host and device components, data-at-rest and in-transit, and user behavior



Your Actions Under Stress Limit damage and quicken restoration of normal operations

Organizations living the culture have:

- Led development of an incident response and disaster recovery plan outlining roles and responsibilities. Test it often.
- Leveraged business impact assessments to prioritize resources and identify which systems must be recovered first.
- Learned who to call for help (outside partners, vendors, government / industry responders, technical advisors and law enforcement).
- Led development of an internal reporting structure to detect, communicate and contain attacks.



Leveraged in-house containment measures to limit the impact of cyber incidents when they occur.