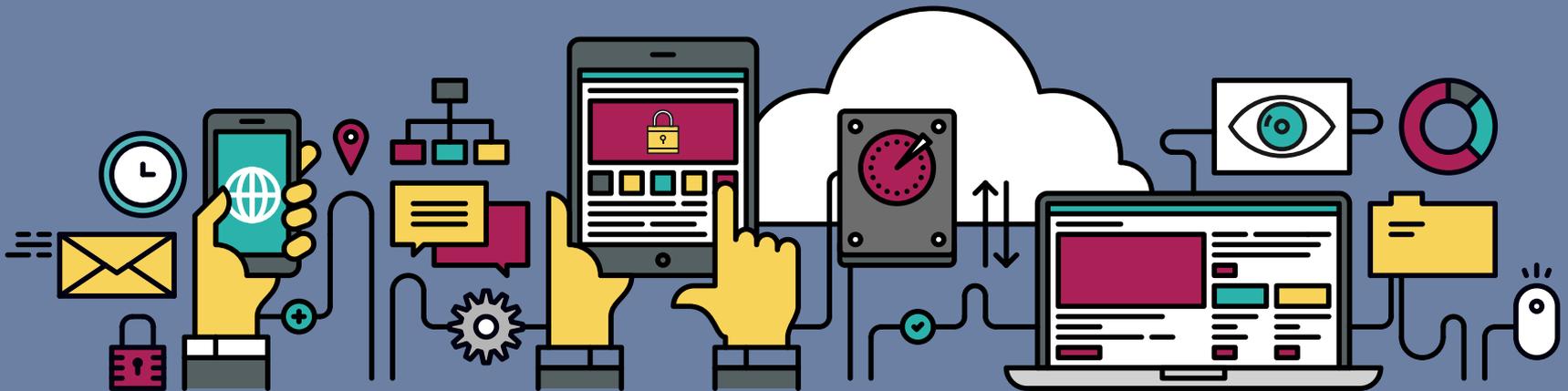# Actions for
# Technology Leadership

# Implement user based precautions

Our experience has taught us that point-based defense systems no longer do the job. To truly protect your organization, you'll need to go straight for the main cause of security issues – the users[1].  By implementing a full suite of user-based precautions, you'll reduce the greater part of the risk to your organization by these types of attacks.

With your security counterparts, it'll be your job to spread awareness within the organization. And to co-ordinate educational efforts.

1 http://cio.economictimes.indiatimes.com/news/digital-security/
edgeverve-ciso-sumit-dhar-on-how-cios-and-cisos-should-deal-with-ransomware/59588143

# Make it easy to keep data secure

We recommend a combination of clear policies and secure software for identity and access management, a robust single-sign-on platform, and end user behavior analytics. If you make the process of keeping data secure easier, people will be more likely to comply. This is especially true when it comes to single-sign-on and password management – having to remember multiple different passwords leads to a higher chance of passwords being written down and then lost. Which means malicious parties have a greater chance of finding (or even guessing) them.

# Create system redundancies
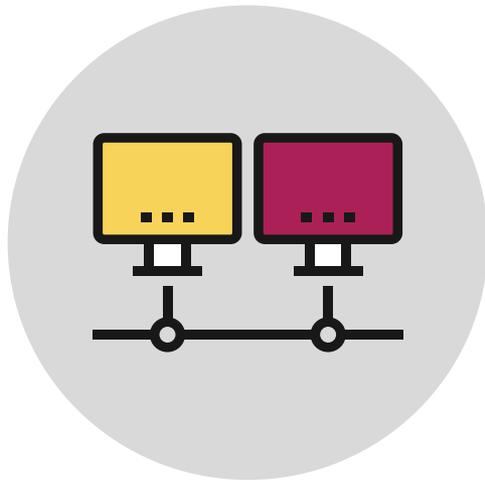
Beyond this, it's reckoned that 77% of organisations are experiencing a 'capability gap' in terms of security technology[2]. And since downtime is the single biggest direct threat of a ransomware attack[3], this capability often begins with two of the simplest things: adequate redundant backups, and adequate software patching. Work directly with your security colleagues to create system redundancies that are unlikely to be infected, even if something does slip past the main gates. And keep an eye on the latest software developments and patches – doing so will guard your company from the vast majority of so-called 'zero day' exploits.

2  http://www.information-age.com/cios-guide-beating-ransomware-staying-available-123466976/
3  http://www.information-age.com/cios-guide-beating-ransomware-staying-available-123466976/

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