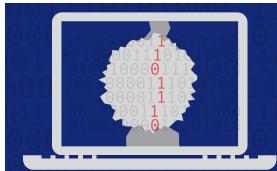
Help Protect Your Business from Zero-Day Vulnerabilities and Attacks



By welcoming American Express, you have access to information to help you protect your business and customers from new and ever-changing data security threats, including zero-day vulnerabilities and attacks.

What are zero-day vulnerabilities and attacks?

A **zero-day vulnerability** is an unknown security bug or flaw that exists in applications, operating systems and database software. Sophisticated hackers may immediately exploit this flaw and use it to attack your systems with malware in what is known as a **zero-day attack**.



How a zero-day attack could harm your business

As with most cyber threats, a zero-day attack can happen to any business at any time and could present significant risk to:

- · Your daily operations and revenue
- Customer data
- Your brand or reputation



Steps to protect your business from zero-day vulnerabilities

1. Make and maintain a systems inventory list.

- Document the type of system/ software, manufacturer/creator, model number, version number, serial number and service contact if there's an issue.
- Keep this list up to date to help you understand when a new zero-day vulnerability impacts your business.

2. Conduct vulnerability scans and install security patches.

- Scan all external/Internet-facing components (e.g., ecommerce sites, web servers, email servers) at least quarterly.
- Install critical vendor-supplied security patches within 1 month of release and non-critical patches or updates within 2-3 months of release.
- Subscribe to and monitor vendor communications, so you'll be notified when new patches are released.

3. Deploy a change detection solution.

- Use file and webpage integrity monitors for ecommerce sites to help quickly identify unexpected changes to your business systems.
- When you use these tools, you'll receive an alert when applications, operating systems or databases do not match trusted baselines.

IMPORTANT: Alerts from these systems must be monitored and acted on to be effective.

If you experience a zero-day attack, please contact **American Express® Enterprise Incident Response Program (EIRP).**

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Additional resources

What is a zero-day vulnerability?

Document Library for safeguarding cardholder data

PCI Data Security Standard Approved Scanning Vendors

PCI DSS Guide – File Integrity Monitoring

Learn more about ways to protect your business at american express.com/datasecurity