

The ultimate payment security checklist for ecommerce businesses

Ensure your online business is protected from cyber threats with these essential payment security steps. Follow this checklist to help safeguard your payment systems and customer data.

Ensure PCI DSS compliance

Follow the global security standard for processing and storing cardholder data. This ensures your payment systems meet the industry's best practices for securing sensitive information.

Implement tokenisation and encryption

Tokenisation replaces sensitive payment data with a unique token, while encryption scrambles the data, making it unreadable to unauthorised parties.

Deploy fraud prevention tools

Use advanced fraud detection tools that employ AI, machine learning, and real-time transaction monitoring to identify and block suspicious activities.

Adopt 3D Secure 2.0

Enhance payment security by adding an additional authentication step, such as a one-time passcode or biometric verification, to prevent unauthorised transactions.

Regularly update software and systems

Keep all your payment systems, security software, and infrastructure up to date with the latest patches and security updates to protect against new threats.

Educate staff on security best practices

Train your team to recognise phishing attempts, fraud tactics, and the importance of maintaining secure passwords and practices.

Conduct regular security audits

Perform routine security assessments to identify vulnerabilities in your systems and implement fixes before they can be exploited.

Enable Multi-Factor Authentication (MFA)

Use MFA to add an extra layer of protection for your payment systems and accounts by requiring more than one form of verification during login.

Participate in cyber health checks

Take advantage of voluntary security assessments from trusted third parties or government programs to identify and address any security weaknesses, such as the Australian Signals Directorate (ASD) Essential Eight.

By implementing these measures, ecommerce businesses can significantly reduce the risk of cyber threats and ensure a secure shopping experience for their customers.