

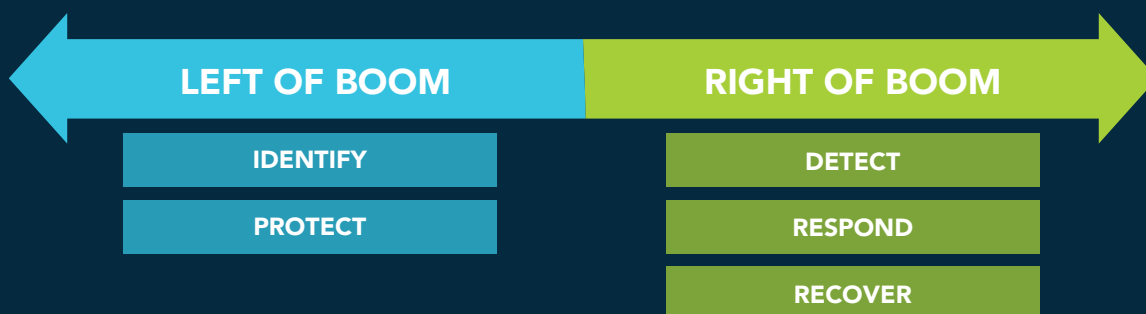
FRAMEWORKS

WHAT ARE FRAMEWORKS, AND HOW DO WE USE THEM?

Cybersecurity frameworks are documents describing cybersecurity risk management guidelines, standards, and best practices. They reduce an organization's exposure to weaknesses and vulnerabilities that hackers and other cybercriminals can exploit.

At Fusion Computing, we are committed to providing the most effective cybersecurity solutions. We follow industry-leading standards such as NIST, Cybersecure Canada, and CIS to identify the right fit for your organization, help you get certified, and improve your overall cyber hygiene. Our approach is not just reactive but proactive. We use automation tools to ensure that we reduce 80% of the risk with just 20% of the effort, which is in line with the guiding NIST principle.

NIST



IDENTIFY

Know what you have and what's at risk.

Inventory your systems, data, and risks so you can protect them effectively.

DETECT

Spot trouble early.

Monitor your network and devices for suspicious activity or breaches.

RECOVER

Get back on track.

Restore systems, recover data, and improve defenses for next time.

PROTECT

Put up your defenses.

Use strong passwords, limit access, train staff, and keep systems secure.

RESPOND

Act fast when something goes wrong.

Have a plan to contain threats, notify the right people, and limit damage.

NIST

Cybersecure Canada Path

Cybersecurity frameworks are documents describing cybersecurity risk management guidelines, standards, and best practices. They reduce an organization's exposure to weaknesses and vulnerabilities that hackers and other cybercriminals can exploit.



CYBERSECURE CANADA PATH CONTINUED

- **CONFIGURE DEVICES SECURELY**
- **USE STRONG USER AUTHENTICATION**
- **PROVIDE EMPLOYEE TRAINING**
- **BACKUP AND ENCRYPT DATA**
- **ESTABLISH PERIMETER DEFENSES**
- **SECURE CLOUD AND OUTSOURCED IT SERVICES**
- **HAVE ACCESS CONTROL AND AUTHORIZATION**
- **SECURE WEB, MOBILITY AND PORTABLE MEDIA**
- **INCIDENT RESPONSE PLAN**
- **PATCH OS AND APPLICATIONS AUTOMATICALLY**

CIS Path

Developed by the Center for Internet Security (CIS), CIS 18 Controls offers essential cybersecurity best practices organized into Implementation Groups (IGs). At Fusion Computing, we leverage CIS 18 Controls to fortify our clients' cybersecurity defences. We focus on critical areas such as asset inventory, vulnerability management, and administrative privilege control, ensuring comprehensive protection against cyber threats.



IMPLEMENTATION GROUP 1 (IG1)

BASIC CYBER HYGIENE CONTROLS FOR ALL ORGANIZATIONS

IG1 defines fundamental cybersecurity practices and serves as the baseline for information security across all enterprises. It helps organizations with limited cybersecurity expertise defend against common, non-targeted cyber threats.

IMPLEMENTATION GROUP 2 (IG2)

ADDITIONAL CONTROLS FOR MEDIUM-SIZED ORGANIZATIONS

IG2 supports organizations in managing IT infrastructure across multiple departments with varying risk profiles. Its goal is to help enterprises handle the growing operational complexity.

IMPLEMENTATION GROUP 3 (IG3)

ADVANCED CONTROLS FOR LARGE ORGANIZATIONS OR HIGH-RISK INDUSTRIES

IG3 supports enterprises by collaborating with IT security experts to safeguard sensitive and confidential data. Its primary objective is to prevent or mitigate the impact of sophisticated cyber-attacks.

CONTROL 01 Inventory and Control of Enterprise Assets.	CONTROL 02 Inventory and Control of Software Assets.	CONTROL 03 Data Protection.
CONTROL 04 Secure Configuration of Enterprise Assets.	CONTROL 05 Account Management.	CONTROL 06 Access Control Management.
CONTROL 07 Continuous Vulnerability Management.	CONTROL 08 Audit Log Management.	CONTROL 09 Email and Web Browser Protection.
CONTROL 10 Malware Defenses.	CONTROL 11 Data Recovery.	CONTROL 12 Network Infrastructure Management.
CONTROL 13 Network Monitoring and Defenses.	CONTROL 14 Security Awareness and Skills Training.	CONTROL 15 Service Provider Management.
CONTROL 16 Applications Software Security.	CONTROL 17 Incident Response Manager.	CONTROL 18 Penetration Testing.