Types of IT Security Solutions

Four main types of cybersecurity solutions give small and large businesses freedom to implement IT security at a scale and budget that's right for them:

- ✅ In-house: Many large organizations have their security team in place to perform cybersecurity services. This do-it-yourself approach allows you to take control of your security and privacy with staff that knows your business and it's exact needs.

- ✅ Outsourced: Outsourcing cybersecurity is an excellent way for businesses to spend less time performing tedious security measures and more time focusing on more productive tasks while a third-party team oversees cybersecurity.

- ✅ IT security as a solution: In the age of software as a service (SaaS), more products and services than ever are now available via the cloud — including cybersecurity. Cybersecurity SaaS is an outsourced approach in which you pay for cybersecurity solutions on a subscription basis. It allows you to keep up with the latest technology at a highly affordable price.

- ✅ MSSP

Cybersecurity targets these and other attacks through a broad array of network security measures designed to protect your data, networks, and systems. Some of the many available cybersecurity solutions include:

✔ Anti-virus and anti-malware solutions: Anti-virus and anti-malware software is one of the most fundamental cybersecurity solutions in any computer network. It scans the system for threats and blocks viruses from accessing your devices.

✔ Web filtering: Web filtering stops employees from accidentally accessing harmful services on the company's network that could expose the business to a data breach.

✔ Risk and compliance management: Businesses need cybersecurity services to meet federal regulations or industry standards in many industries. Risk and compliance management provides a dedicated solution for meeting these needs.

✔ Dark Web Monitoring: Dark Web Monitoring is a service that searches places on the dark web where information is traded and sold, looking for your information.

✔ Encryption: Data encryption ensures that even if your data is stolen, hackers wouldn't be able to read it. Encryption is essential if you often transfer data from one system to another, as it might be stolen during the transfer.

✔ Data loss prevention: Data is essential in your day-to-day operation, and data loss prevention methods ensure your data is available for your access at all times.

✔ Access management: Not just anyone in your company should have access to the organization's sensitive information. Access and identity management ensures data is accessed only on a need-to-know basis and that those obtaining the information are who they say they are.

✔ Firewalls: Firewalls control the flow of outgoing and incoming network traffic to protect against untrusted networks and potential malicious attacks.

What are the KPIs that can be included as part of Cybersecurity services?

- ✓ Authentication errors
- ✓ SLA violations
- ✓ Time needed to resolve errors
- ✓ Cost per incident
- ✓ Malware events
- ✓ Phishing events
- ✓ Vulnerability management
- ✓ Third-party risk management
- ✓ How long it takes an analyst to investigate an incident
- ✓ Incident management
- ✓ Phish fail percentage
- ✓ Number of false-positive alerts detected
- ✓ Number of devices monitored
- ✓ Total number of events

About Fourth Dimension Technologies

Fourth Dimension Technologies empowers communities and nonprofits to use technology to serve the world better. We create custom IT solutions tailored to your organization's needs using our "Proprietary transformation model." Being a leading provider of technology and solutions for nonprofits and their communities, we design budget-friendly technology services that maximize your nonprofit's return on investment, so you can better serve the community.

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