

Lecture 15. Security monitoring

Introduction

As the **data center** becomes more virtualized, servers should be your strongest defense, arming you with the latest innovations to prevent, detect, and recover from security attacks. That's why we've developed unique security technologies, giving you a new security foundation to protect your data—and your business.

The type of security monitoring one would need is dependent on the applications, size of the network, and level of control needed, but security monitoring is exactly like it sounds. The company providing the monitoring service scans every part of the system while looking for unwanted changes and vulnerabilities that surface. They can then act when issues are found by either contacting the administrator of the system or dealing with them on the spot. An example of a program that does this on a much smaller scale should be familiar to almost everyone. Anti-virus services actively monitor a device and deal with threats as they surface. Round-the-clock monitoring offered by IT security companies do this, but they are not limited to apps and viruses. They have the ability to check every aspect of a network in real time.

Security monitoring

A security monitoring service has the capability of keeping an eye on almost every aspect of the clients' systems and networks. They analyse network traffic while looking for abnormalities. They monitor database system, such as Microsoft SQL Server, Microsoft SQL Express, MySQL, Oracle, Informix, Paradox, IBM DB2, and many more. If any changes are discovered that are not made by authorized users, immediate action can be taken to safeguard the file system.

Continuous security monitoring

[Continuous security monitoring](#) is a type of security solution that automates security monitoring across various sources of security information. Continuous security monitoring solutions provide real-time visibility into an organization's security posture, constantly monitoring for cyber threats, security misconfigurations, or other vulnerabilities.

Continuous security monitoring

Continuous security monitoring is essential today because organizations depend on technology and data to complete key business processes and transactions.

Companies also have a greater number of independent contractors and remote workers on staff, increasing their attack surface and adding channels for data loss.

Companies may have strict policies in place, but employees continue to use applications and devices that are not approved and put data at risk.

HOW CONTINUOUS SECURITY MONITORING WORKS

Continuous security monitoring provides real-time visibility of users and their devices when they attempt to connect to or work on an enterprise network. All device types may be monitored. [Continuous security monitoring](#) gives organizations the ability to constantly look over their network to stay one step ahead of cyber threats. With continuous security monitoring, IT professionals can monitor and verify security and compliance requirements regardless of whether data resides locally or in a datacenter, virtual environment, or the cloud.

Thank you for your attention!