

CS205 GDB Solution

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Scenario

TechStart Innovations is a company with around 20 employees, primarily focused on developing web and mobile applications for clients in various industries. The company handles sensitive client data and understands the importance of implementing security hardening controls to protect its systems and client information.

Currently, the TechStart Innovations is evaluating some security hardening tools to be used for its systems to enhance its cybersecurity posture. The company wants to select the most suitable option in this regard from the following security hardening tools:

1. Open-source
2. Private (commercial)

As a network security analyst of the above mentioned company, your task is to analyze the given scenario and choose the most suitable option from open-source and private (commercial) security hardening tools.

Note: You need to justify your choice with two valid reasons and provide your answer in the following format:

Solution:

Your Choice: Open-source security hardening tools

Reasons:

1. Transparency and Community Support:

Open-source security hardening tools offer transparency in terms of their source code, allowing users to review and audit the code for potential vulnerabilities or backdoors. This transparency ensures that there are no hidden security risks within the tools. Additionally, open-source projects often have a vibrant community of developers and users who contribute to the ongoing development, bug fixes, and security enhancements. This community support can lead to faster detection and resolution of security issues, providing TechStart Innovations with an extra layer of assurance.

2. Cost-Effectiveness:

As a company with around 20 employees, TechStart Innovations may have budget constraints. Open-source security hardening tools are generally available for free or at a significantly lower cost compared to private commercial tools. By leveraging open-source solutions, the company can allocate its financial resources to other important areas while still benefiting from robust security hardening capabilities. This cost-effectiveness makes open-source tools an attractive option for small to medium-sized enterprises like TechStart Innovations.

By choosing open-source security hardening tools, TechStart Innovations can leverage the transparency and community support of these tools while also optimizing its budget and ensuring a strong cybersecurity posture.

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