1. What version of the database is in place: Internet Protocol Version 4,
2. What is the IP of the database server: Src: 10.0.0.126, Dst: 10.0.0.126
3. What userid is used to connect to the database:

Robot

Interface id: 0 (\Device\NPF\_Loopback)

1. What is the schema used for the robotics store (schema and database [db] are the same thing): Schema: robotstore
2. What is the SQL command passed to the server: [Protocols in frame: null:ip:tcp:mysql]

Frame 7: 122 bytes on wire (976 bits), 122 bytes captured (976 bits) on interface \Device\NPF\_Loopback, id 0

Memorandum

To Paul Robotics

From: Muhammad Zainul Zahid

Today: October 19, 2023.

Topic: ensure security of the system and integrity of the data.

Dear team,

The following crucial security steps must be prioritized in order to guarantee the security of Paul's Robotics system and safeguard the accuracy of the data:

1. Observation and Recording:

Use thorough recording and in-the-moment observation to spot anomalous activity or security breaches.

2. Symmetric

Secure data utilizing strong encryption standards and methods, both while it's in transit and when it's frozen.

3. Plan for Handling Incidents:

To identify, report, and mitigate security events, create a well-defined incident response plan.

4. Management of Access:

To ensure that only authorized workers can access the system, use role-based access control.

5. Handling Updates:

Make sure that all system components have a procedure in place for quickly installing security updates and patches.

6. Training of Staff:

To increase knowledge and encourage team members to follow best practices in security, hold frequent security training.

Review and adjust permissions for access on a regular basis.

Our security plan is built around these methods. To create action plans and allocate duties, let's debate and prioritize their implementation. We can do this at our next team meeting.

We appreciate your dedication to keeping our system and data safe.

Respectfully,

Muhammad Zainul Zahid

References

1. Common Cyber Security Measures For Business. (n.d.). Www.knowledgehut.com. <https://www.knowledgehut.com/blog/security/cyber-security-measures>.
2. 10 Best Practices to Prevent Web Application Attacks | Indusface Blog. (2021, October 27). Indusface. https://www.indusface.com/blog/what-are-the-best-security-practices-to-protect-against-the-main-types-of-attacks-on-web-applications/.
3. Rowe, A. (2022, January 3). 12 Cyber Security Measures That Every Small Business Must Take in 2021. Tech.co. https://tech.co/vpn/cyber-security-measures.
4. EC-Council. (2022, March 24). Five Ways to Defend Against Network Security Threats. Cybersecurity Exchange. <https://www.eccouncil.org/cybersecurity-exchange/network-security/how-to-prevent-network-security-attacks/>.