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Module 8 Reflection

Security should not be left to the end and instead should be continuously utilizing security tools during the course of work. Even when creating code in most IDE’s it will have real-time error messages that should not be ignored. It is easier to fix mistakes as you go instead of waiting until the end to try and go back. You should be utilizing secure coding standards from the beginning to the end. If there is a vulnerability that is detected it should be resolved quickly to keep systems protected. If a vulnerability is detected and left untreated it leaves the door open to a variety of different security attacks.

Utilizing risk assessments can help us detect potential risks. Once the risks have been identified we can then start to come up with a mitigation plan. This should take into account the likelihood and severity levels of each individual risk identified. We can also do a cost benefit analysis. This analysis is used to compare how much the mitigation efforts will cost against the benefits it will produce.

Zero trust is a security concept that does not trust any device or user until it has been verified beforehand. This includes devices that are inside the network as well. A lot of other security concepts will trust devices and users that are inside the network. With the zero-trust model it suggests that threats can come from both internally and externally. A key aspect of this concept is least privilege access. Least privilege access only allows users access to the necessary data.

An important recommendation is to always follow standards and best practices. Creating a security policy document can keep things organized and well documented. Another recommendation would be to continue to monitor and update the system. When monitoring the system, we can find more potential vulnerabilities and quickly mitigate them. Continuing to implement training for employees to ensure they understand and implement the necessary security measures that are being put in place.

References

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