Manufacturing Organization Plans a Secure-by-Design Cloud Transformation

CBI guides organization on a secure journey to 100% cloud-hosted data centers

Challenge

A manufacturing organization in the automotive industry had decided to embark on a multi-year journey of fully migrating from their on-premises data centers to the cloud. The client reached out to CBI, A Converge Company early in the process for consulting and advising to ensure that the new environment would be resilient and secure.

The organization received advice from multiple vendors about which security initiatives to undertake and which products they needed, but that advice was sometimes confusing and conflicting. The client needed a trusted security advisor to work on their behalf for the transition to a secure cloud.

Solution

Over the next four months, CBI participated in the architectural design process with the client, the cloud service provider, and a third-party provisioning team to ensure that security was built into the new cloud environment from the beginning. CBI conducted a number of consulting conversations in which we discussed security frameworks, reviewed documentation and diagrams for accuracy, and offered recommendations and guidance for the new cloud infrastructure. After the decision was made to access the cloud environment via a separate piece of hardware, CBI's Advanced Testing team performed penetration tests on those physical devices to ensure their security.

Once the client had built out the cloud in Azure, CBI was engaged to conduct a cloud security assessment. CBI's Microsoft experts performed the audit, evaluating administrative account access and tools as well as user permissions, configuration, and checking for vulnerabilities. CBI provided a report detailing the misconfigurations and vulnerabilities found, along with recommendations for remediation. CBI advised and assisted with a proof of concept to help automate certain areas of privileged access management so that default configurations would be secure.

Results

The client is well on the way to 100% cloud-hosted data centers and now has the confidence that its new cloud environment has been designed with a secure mindset. CBI experts worked with multiple vendors on the client's behalf and as part of the client's team, all the while keeping the client's interest in mind. The client valued CBI's services and advice and plans to engage CBI for support when ready to onboard the cloud services into the SIEM environment.

Contact **CBI** to enhance your cybersecurity program.

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