C-SMART

Secured Managed Automated Reporting Tool

Product Architecture

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Architecture
Solution Approach

- The solution is simply based on Client-Server Model to help customers deploy VDC in an automated manner and enjoy the benefits of monitoring the deployed resources.
- The product is built upon a secure authentication based on MSAL-PKCE Auth Code Flow and the endpoints are AES-256 Encrypted.
- Blueprint Deployments are deployed using Terraform automation script and the deployment is done using Azure Function for PowerShell and other deployments are done using API’s.
- Database is configured on Azure SQL Database.
- Logging is done on Azure SQL Database.
- Azure Repos is used for version control.
- The setup is CI/CD enable via DevOps Pipeline.
Technologies Used

**Client Side:** Angular

**Server Side:** Node.js

**Database:** Microsoft SQL Server

**DevOps Strategies:** Azure Repos, Pipelines

**Infrastructure Automation:** Terraform

**Data Visualization:** Microsoft PowerBI
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