



Tuesday, February 16, 2021

C-SMART

Secured Managed Automated Reporting Tool

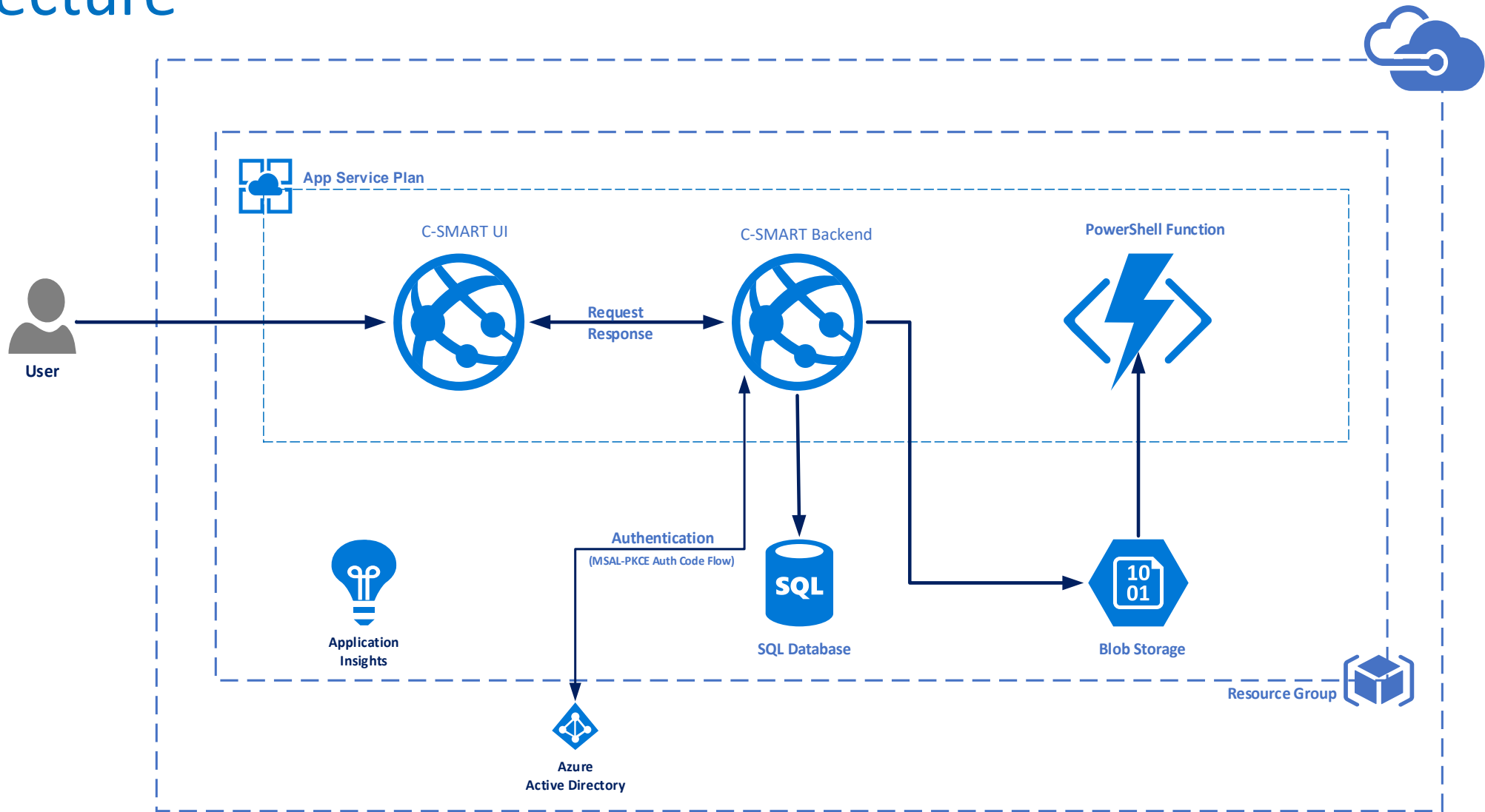
Product Architecture

January 2021



AI-POWERED AZURE AUTOMATION
AS A SERVICE

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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