Gen AI powered Architecture Deployment

WHAT IS Architecture Deployment

Cloud infrastructure makes or breaks an IT infrastructure for any organization, it is crucial to deploy in-built or purchased applications into Azure cloud platforms irrespective of the pre-existing infrastructure. Brillio's "Architecture Deployment" adheres to Azure well architected frameworks and leverages Generative AI to automate design for cloud architectures, generating Infra as a Code tailored to Azure cloud specifications.

Key features

Gen-AI based automated script generation for cloud infrastructure provisioning & deployment.

Arch. Diagram Generation

- Generative AI can be used to generate high-level architecture diagrams based on a set of inputs or specifications.

- This can help architects to quickly visualize and understand the proposed architecture, and to identify potential issues.

Recommending Technology

- Generative AI can be leveraged to select appropriate Technology for a software based on inputs and specifications.

- This can help architects make informed decisions and avoid costly mistakes.

Automating Data modelling

- Generative AI can be used to automate the data modeling process by generating entity-relationship diagrams/data models.

- This can help architects to save time and effort, and to ensure that the data model is accurate and more complete.

UI design assist

- Generative AI can be used to assist with UI design by generating wireframes or high-fidelity mockups.

- This can help architects to quickly and easily explore different design options, and to get feedback from stakeholders

Generating Infra as a Code

- Generative AI can be used to generate infrastructure-as-code (IaC) definition, which can then be used to deploy the software architecture to production.

- This can help to automate the deployment process and to ensure that the architecture is deployed consistently and correctly.

Continuous Integration and Delivery (CI/CD)

- Generative AI can be used to automate the CI/CD pipeline, which can help to ensure that the software architecture is continuously tested and deployed.

- This can help to improve the quality and reliability of the overall architecture.

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Brillio Solution Capabilities

Auto Generation of Infra as a Code (IaC) architecture using text

Generation of Infra as a Code (Iac) script using Terraform, Ansible, Puppet

SOLUTION CAPABILITIES

Generation of Infra as a Code (IaC) architecture for Azure, AWS, GCP

Generation of Pipeline Script (YAML file) for IaC using multi-cloud for Auto deployment