

# GenAl Plugin for Backstage



A turn-key solution to provide natural language information retrieval from your documents in the context of the Backstage developer portal.

## HOW DOES IT WORK?



### Installation

Run the Terraform code to install the Rag solution.



### Upload content

Upload your content into the S3 bucket



#### **Configure Backstage**

Install the frontend and backend node packages and configure the routes for the plugin



## **Configure Plugin**

Configure the endpoint and the key to use for calling the RAG solution.



# **Prompt engineering**

Optionally, work on the delivered lambda code to fine tune the prompt engineering



Amazon Bedrock



Amazon Kendra

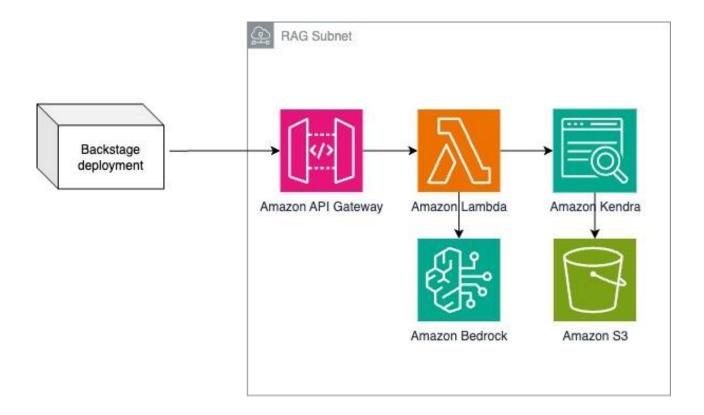
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TECH STACK

REDUCED COST ON ANSWERING ROUTINE QUESTIONS

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# Fast Rag Architecture



# **Hexaware's Value Addition:**

- Hexaware created:
  - A solution to create RAG plugin(s) in Backstage
  - Using Kendra
  - ✓ Using Bedrock
  - Communication between
     Backstage and AWS is secured to avoid unintentional leaking of information
- Model selection configured in Backstage
- Prompt engineering can be tweaked in the delivered lambda code

#### **Benefits:**

- Costs can be significantly reduced in areas where a Frequently Asked Questions are answered by people
- Delivers a better experience to the user than the standard static FAQ implementation

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