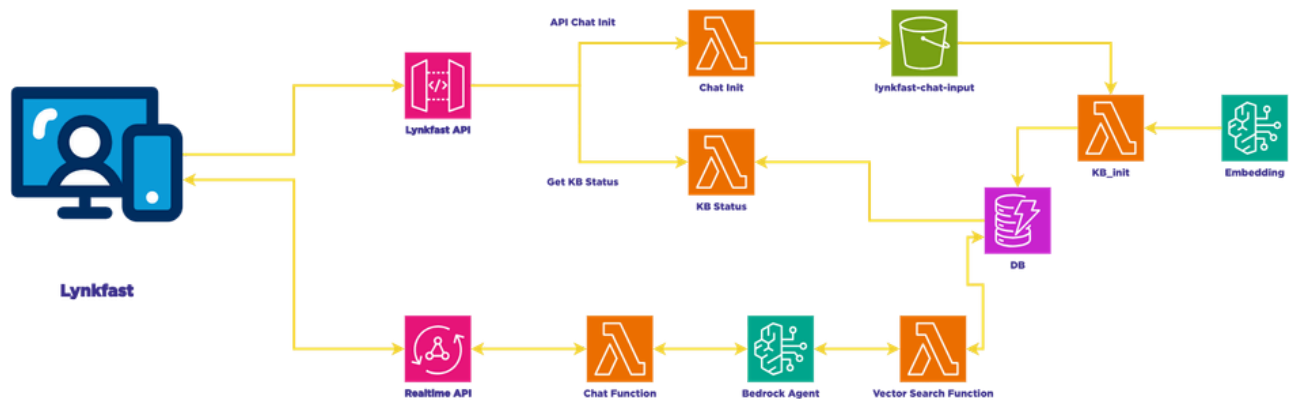# New Lynkfast Chat (CHIP) Structure

Introduction

Implementation of CHIP provided many new implementation opportunities along with its limitations. Currently main issue with the CHIP is that it cannot take more than 1 MB of Payload to begin with. In order to solve that problem, and improve its stability without increasing the cost, we suggest to following architecture.

Architecture

- Lynkfast API's Chat initialization API & Realtime API is already implemented.
- New Addition to the list is "Get Knowledge Base Status"

KB-Status Endpoint Specifications

This API Endpoint will provide you the status of the Knowledge Base Import Job Status. There is traffic light system where:

- Red means, the job is either not started or failed,
- Yellow means, in progress and partial data is available,
- Green means, completed and fully available.

Endpoint	https://ai.lynkfast.com/chat/kb-status/<channel_name>		
HTTP Method	**GET**		
Header	`x-api-key` : `<ai_api_key>`		
Input Payload	No Payload Required other than Channel Name		
	Status Code	**Message**	**Note**
	412	`Function initialization Error`	This means there is inherently problem with how you call the API, please check the request values.
Possible Responses	404	`No Session ID Found`	This means the session ID never made it to the Database. Please double-check the `channel_name`

	200	`KB Generation Completed`	• **Green Light** • If you get this, please light the green light to the user for signaling that Knowledge Base is Ready.
	400	`KB Generation Failed`	• **Red Light** • If you get this, please light the red light to signal that Knowledge Base generation is failed, and should be restarted.
	202	`KB Generation Running/Not Started`	• **Yellow Light** • If you get this, it means the knowledge base is being generated. Please light the yellow light to signal the user that it is "In Progress".
	515	`KB Status Error`	• **Red Light** • If you get this, this means we got unexpected status of the Knowledge Base Job, please contact the developer.
	512	`DynamoDB Status Error`	• **Red Light** • If you get this, this means we got unexpected error on Knowledge Base Job, please contact the developer.