**How to read messages through Slack with Functions**

**Introduction**

In a developer’s work environment where people share their ideas and emotions constantly, good communication among team members plays a key role. Often times they talk to each other face to face but sometimes they are not able to communicate with each other in person because of the distance. Therefore, they use messaging applications such as Slack in order to keep in touch.

For many reasons, developers may want to investigate the messages from Slack, alter them in a proper way or take some actions according to some specific input. They prefer this way because they have a heavy workload that prevents them from answering every single question and automation is needed or they want to analyze the context of a long text that is written in order to answer it in a rapid way or they just want to derive some insights from the text data to practice what they learnt at school.

The main purpose of this tutorial is to show developers how they can easily receive messages from Slack to IBM Cloud Functions to solve the problems mentioned above.

**Prerequisites**

IBM Watson Language Translator Service Instance (Lite)

IBM Watson Natural Language Understanding Service Instance (Lite)

IBM Cloud Account

**Estimated Time**

TBD

**Steps**

1. Slack App Creation
2. Slack Bot Configuration
3. Functions Action Creation

**Summary**

The role of text analysis in business world is crucial in terms of customer satisfaction, gaining insights and quick reaction to solve the issues. With the powerful serverless architecture of IBM Cloud Functions, developers just focus on their job to perform the solution and leave other concerns such as server maintenance, upgrades, deployments out of their minds.

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