



Getting Periodic Weather Updates: AWS Eventbridge And Lambda

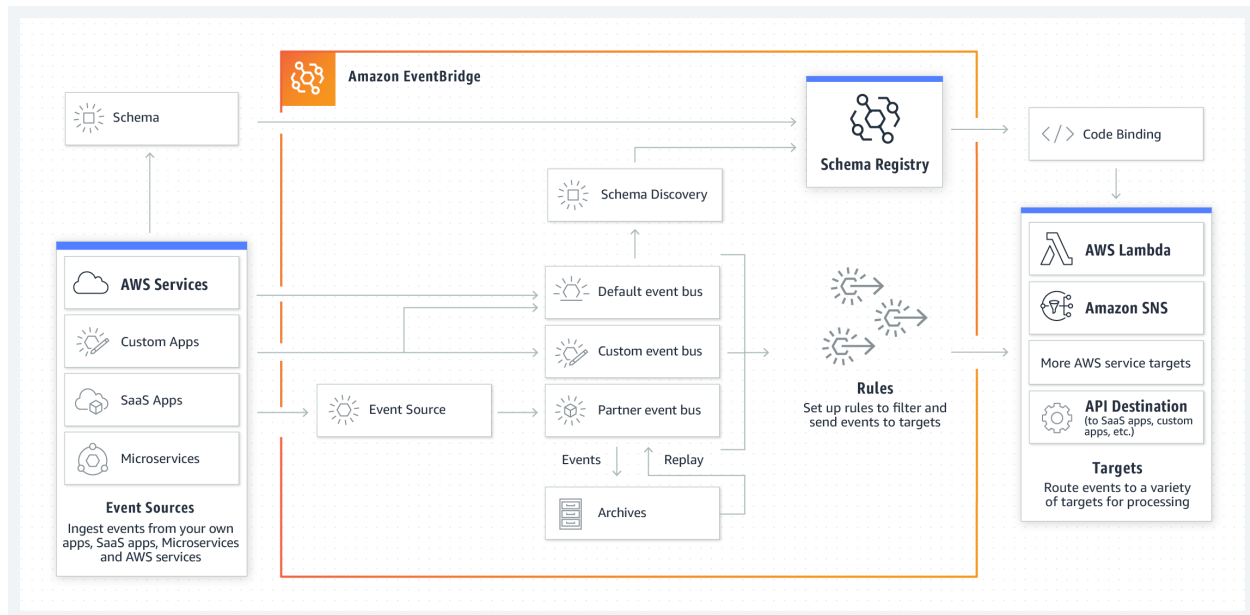
Write an application in the Cloud that fetches the current weather updates at a customizable frequency. These updates could be delivered to the end-user by email, or through any other event notification mechanism, such as SMS or others.

For this purpose, you can use any open Weather Data API, such as:

<https://openweathermap.org/current>

To implement such an application using AWS Services, you need to do the following:

- Write an AWS Lambda function that gets the current weather for a particular city, and sends that info to an email - via SNS notifications
- Add an AWS Eventbridge rule with a 15-minute rate, that triggers the above Lambda function. You can get more information about AW Eventbridge using the following resources:
 - The AWS Eventbridge page: <https://aws.amazon.com/eventbridge/>
 - Here is a schematic that will help you visualize where Eventbridge generally fits in:



- How to use the Eventbridge rate expression:
 - <https://docs.aws.amazon.com/eventbridge/latest/userguide/eb-create-rule-schedule.html> .
 - This example gives a simple way to do it.
 - You can also try getting familiar with cron expressions (as listed in the link above) - to specify more precise triggers, if you need.
- This combined setup essentially provides periodic weather updates with a 15-minute frequency. You can tweak this frequency to suit your application needs.
- This update will be sent as an email alert in this example but can be consumed/stored in other ways easily.
- The core learning is how to achieve reliable and cheap periodic triggers in the cloud.