

# Architecture Exercise

## Context

We need to send data to a number of partners. The origin of the data is always the same system, which we will name **main\_system**.

Some partners have APIs, and some partners do not. The partners that do not have an API, are willing to integrate with an API of ours.

The number of partners that we expect to integrate with this platform is between 200 and 300.

Once a partner is integrated their integrated changes only once a year at most.

## Your task

Design the architecture of a solution that delivers above requirements.

You can use any technology you see fit. We suggest that as a Cloud provider you consider AWS, although you can choose any other public cloud.

Things that will be evaluated: scalability, reliability, cost, ease of maintenance for a development team, ease of operation management of the whole system.

# Coding exercise (Java)

You are given a phrase and have to invert it, but maintaining the correct word order and punctuation marks. Word with hyphens must be respected

Some examples:

| Input                         | Expected Output               |
|-------------------------------|-------------------------------|
| Good afternoon                | afternoon Good                |
| Hello, how are you?           | ?you are how, Hello           |
| Are you twenty-one years old? | ?old years twenty-one you Are |