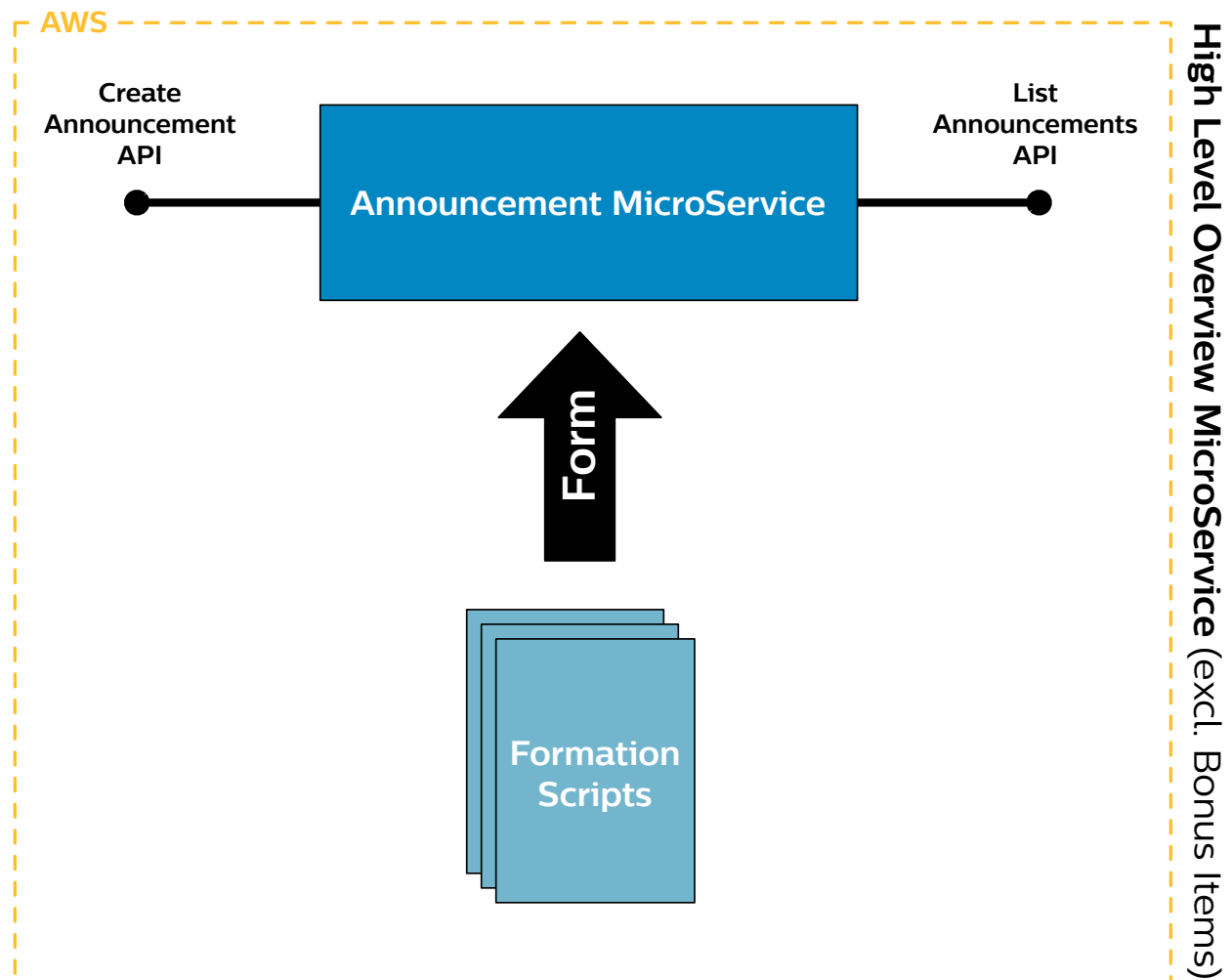


# Assessment: Announcement MicroService

Build a small serverless application (MicroService) which exposes JSON formatted REST APIs which allow for storing and retrieving announcements.

## Acceptance Criteria

- An announcement should contain:
  - An announcement title
  - An announcement description
  - An announcement date
- One API should be developed for listing all announcements and their properties
  - *Bonus: the API should allow for pagination*
- One API should be developed for adding a new Announcement to the system
  - *Bonus: make this API private, by adding authentication/authorization*
- For both APIs, the attached API Guidelines must be followed (*restful-api-guidelines.pdf*)
- Everything should be developed using serverless components on AWS (e.g. Lambda, Dynamo, S3, Cognito, API Gateway, SNS, SQS, etc...)
- Programming language of choice is Python
- Everything should be 'developed-as-code', meaning the full solution should be deployable from formation scripting.
- Postman collections should be created for the APIs, which should also include relevant test cases
- *Bonus: Think about relevant monitoring and enable related alerts*



## Deliverables

- API Contracts (OpenAPI 3.0/Swagger format)
- Working solution exposing the two requested APIs
- Formation scripts
- Postman Collections with relevant test cases
- Optional: The *Bonus* topics from list of Acceptance Criteria

### Extra Deliverables Senior:

- Small document describing choices made around serverless components used, considering costs, scalability, performance, etc
- The *Bonus* topics from list of Acceptance Criteria

## Evaluation Criteria

- Familiarity of solutions and standards
  - OpenAPI 3.0
  - Formation Scripts
  - Serverless services
  - IAM
  - Postman
- Quality of the solution
  - Complexity & Quality of code/configuration
  - Error proneness of solution
  - Adherence to API Standards and Guidelines (shared)
  - Completeness of API contract
- Creativity
- Simplicity