CogoPort Assignment API Documentation

API'S to develop a robust and scalable FastAPI application to manage a Configuration Management system for onboarding Organizations from each country.

Base_URL:

Base URL for the API is `http://localhost:8000`

Authentication:

No Authentication Method is used in it

Error Handling:

- **Exception Handling**: FastAPI leverages Python's try-except blocks to catch exceptions that may occur during request processing.

- **HTTP Status Codes**: Errors are associated with appropriate HTTP status codes (e.g., 400 for client errors, 500 for server errors) to indicate the nature of the problem.

- **Error Response Models**: FastAPI uses Pydantic models to define structured error responses, ensuring consistency in the format of error messages returned to clients.

Exception Handling:

- Custom exception classes for specific error scenarios are inherited from built-in or FastAPI's HTTPException.
- Handle errors within specific route handlers by raising exceptions or using `try-except` blocks.
- Backend uses standard HTTP status codes to indicate the nature of errors. For example, 404 for "Not Found", 400 for "Bad Request", 500 for "Internal Server Error", etc.

API Routes:

1.) Create a Configuration: ROUTE FOR Creating Configuration

POST `/api/create_configuration`

Request Body:

Response: `200 OK` on success, returns:

2.) Get Specific Configuration: ROUTE FOR Creating Config via country_code

GET `/api/get_configuration/{country_code}`

Response: `200 OK` on success, returns:

3.) Update Specific Config. : ROUTE FOR Updating Config via country_code

POST `/api/update_configuration`

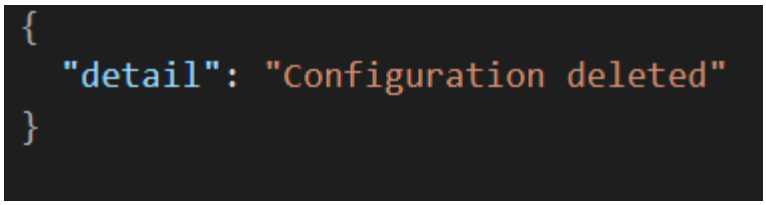
Request Body:

Response: `200 OK` on success, returns:

4.) DELETE Specific Config.: ROUTE FOR Deleting Config via country_code passed via query

DELETE `/api/delete_configuration?country_code=IND`

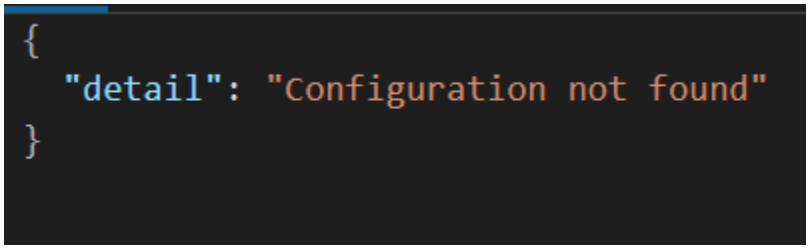
Response: `200 OK` on success, returns:



Error Scenario:

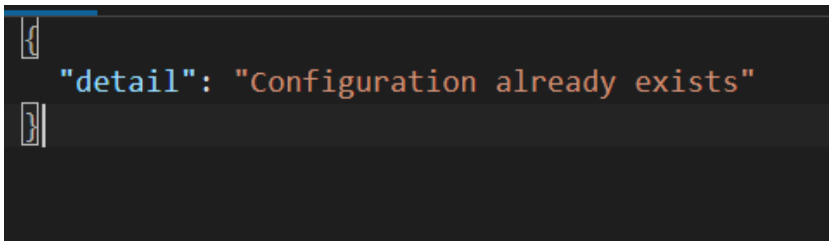
1.) Trying to delete, update or get a Configuration which doesn't exit then response is 400 Returning not found Cases.

RESPONSE : `400 returns`



2.) Trying to add a Configuration which already exit:

RESPONSE: `400 returns`



Summary:

This API Documentation provides a clear overview of the endpoints, their methods, expected inputs, and possible outputs for managing tasks through the API. Adjustments can be made based on specific application requirements and conventions.