National College of Ireland

Postgraduate Diploma in Science in Cloud Computing  
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Building an API

Project in

Enterprise Frameworks



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# Introduction

## Scope

It is proposed to that we build an API that will store 3 datasets in a database. The API will allow database to be queried and return results as required. The data returned will be in the appropriate format for the platform requesting it.

The sample datasets to be used will be from the Canadian website toronto.ca/open, as they is a comprehensive choice of large, clean and open datasets available.

Possible outputs expected from the API could be:

* Geographical data
* Census data
* Blending data with data from existing APIs
* Allow multiple formats to be outputted depending on what the data is being used for

Inputs for the API could include:

* IP address logging for access auditing

# Requirements

# Architecture

# Implementation

# Discussion

# References

# Appendices

## Appendix A