

# Web Service Documentation

## Overview and Getting Started

The NZOR web application programming interface (API) is a publically accessible service that enables applications to use data from the core NZOR repository. The API is designed to be as RESTful as possible so each resource has a unique URI and well known HTTP verbs are used to specify the action to perform on that resource.

The API consists of a set of core methods and a common request format which all use the same base URL.

### Base Web Service Url

`http://data.nzor.org.nz`

## What is Possible using the API?

The API provides full programmatic *read* access to the data contained in NZOR. It is designed to encourage integration with the core NZOR data.

The NZOR REST APIs currently provide the following capabilities:

- List and view details about a name.
- Search names.
- List and view details about providers.
- List and view details about enumerations and the vocabulary used to describe entities within NZOR.

An important use case is providing a mechanism to synchronise a private repository of taxonomic details with NZOR.

## Overview

The following diagram highlights the main components of the NZOR Web API.



