

Introduction to the API

Omeka S provides an application programming interface (API) that enables **CRUD** operations on its resources. API resources are objects with a type, associated data, relationships to other resources, and sets of methods that operate on them. There are two ways to access Omeka's API:

- Programmatically, from within Omeka's PHP environment (see the [PHP API documentation](#))
- Using Omeka's **REST** web service (see the [REST API documentation](#))

Operations

You can perform these API operations on almost every API resource:

Operation	Description
search	Get a list of resources given query parameters
read	Get an individual resource given a unique identifier
create	Create a new resource
update	Update an existing resource given a unique identifier
delete	Delete an existing resource given a unique identifier

Resources

Omeka comes with the following API resources:

Resource	Description
users	Users who have login credentials
vocabularies	RDF vocabularies imported into Omeka

Resource	Description
resource_classes	RDF classes that belong to vocabularies
properties	RDF properties that belong to vocabularies
items	Item RDF resources, the building blocks of Omeka
media	Media RDF resources that belong to items
item_sets	Item set RDF resources, inclusive set of items
resource_templates	Templates that define how to describe RDF resources
sites	Omeka sites, the public components of Omeka
site_pages	Pages within sites
modules	Modules that extend Omeka functionality (search and read access only)
api_resources	API resources available on this install (search and read access only)

Do not confuse "API resources" and "RDF resources." RDF resources are resources that can be described and semantically linked using RDF vocabularies. The only RDF resources in Omeka are items, media, and item sets. (See [Resource Description Framework](#).)