

COS216 API

API Required fields			
Fieldname	Datatype	Explanation	JSON Example
key (required)	string	API key required to access the API, acquired from registering	"key" : ""
Type (required)	string	The type of API query being requested (types given below)	
-info	string	Acquire information about a (or group of) video game(s), filters and return options in the following tables.	"type" : "info"
-update	string	Practical 4	"type" : "info"
-login	string	Practical 4	"type" : "update"
-rate	string	Practical 4	"type" : "rate"
-track	string	Homework	"type" : "track"

Info Query

Info query			
Fieldname	Datatype	Explanation	JSON Example
Type (required)	string	The type of API query being requested (types given below)	
info	string	Acquire information about a (or group of) video game(s), filters and return options in the following tables.	"type" : "info"
Recommended to be set:			
limit	integer	<p>The number of games to return: this is set to 1 if a title is specified and is limited to a maximum of twenty games.</p> <p>On wildcard (*) - the maximum games are returned.</p> <p>Otherwise, it defaults to the size of the query with a limit of 20.</p> <p>Giantbomb and Google's API are quite unpredictable with the use rate of their API so results for Video, site, dev and artwork may possibly be inconsistent in large test and limit sizes.</p> <p>Recommended to set the limit to 5.</p>	"limit" : "5"
Optional- Search/ Filter Fields			
Fieldname	Datatype	Explanation	JSON Example
title	string	Search by video game name, this may be set to wildcard (*) to also set the limit to 20.	"title" : "Fallout 3"
date	Unix dates	Filter by a set of dates	"date" : "2021-01-01,2021-12-31"
genre	string	Filter by genre	"genre" : "action,indie"
tags	string	Filters by tags (some given below), multi-word tags are required to be all lowercase and hyphen (-) separated.	"tags" : "horror"
platforms	string	Filters by platform codes (given below)	"platforms" : "1,3,5"
score	string	Filter by a Metacritic score range	"score" : "85,95"
developers	string	Filter by a developer (warning may require quite specific naming to work)	"developers" : "electronic-arts"
order	string	Order the results by an above fieldname (add a hyphen for descending) with varying degrees of success	"ordering" : "-metacritic"

Return fields		
Fields to return are required to all be stored in an array in JSON to be interpreted (empty returns all)		
Fields	Explanation	JSON Example (all words in lowercase)
title	Game title	"return" : ["title", "artwork", "platforms"]
description	Game description	
developers	Game developers	
site	Reference website for game	
artwork	Game cover art	
release	Release date in Unix	
genres	Genres of game	
tags	Tags associated with game	
platforms	Platforms the game is available on	
metacritic	Metacritic score	
rating	Users' rating	
age-rating	Esrp rating of game	
video	Youtube URL for game trailer	

Possible tags
singleplayer
multiplayer
full-controller-support
rpg
first-person
dating-sim
co-op
open-world
third-person
Any tags returned in a query may be used to further filter and search by

Possible genres
action
adventure
indie
puzzle
racing
simulation
sports
strategy
role-playing-games-rpg
family

Platforms
playstation-1
playstation-2
playstation-3
playstation-4
playstation-5
Playstation-vita
xbox
xbox-360
xbox-one
xbox-sx
pc
macos
nintendo-switch
wii
Wii-u

Response String

The response string from the API is formatted in JSON as follows:

Name	Explanation	JSON Example
status	The status of the request,	"status" : "success"
timestamp	Unix timestamp of response	"timestamp" : "9577462"
On success		
data	The data requested from the server. This may be empty depending on the query type	
-info	Video game query	{ "title" : "Doom", "artwork" : "doom_art.jpg", "platforms" : ["Playstation 4", "Xbox One", "PC"] }