GOG Galaxy Integrations API

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Galaxy team

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CONTENTS

CHAPTER

ONE

GOG GALAXY INTEGRATIONS PYTHON API

This Python library allows developers to easily build community integrations for various gaming platforms with GOG Galaxy 2.0.

1.1 Features

Each integration in GOG Galaxy 2.0 comes as a separate Python script and is launched as a separate process that needs to communicate with the main instance of GOG Galaxy 2.0.

The provided features are:

- multistep authorization using a browser built into GOG Galaxy 2.0
- support for GOG Galaxy 2.0 features:
  - importing owned and detecting installed games
  - installing and launching games
  - importing achievements and game time
  - importing friends lists and statuses
  - importing friends recommendations list
  - receiving and sending chat messages
- cache storage

1.2 Platform Id's

Each integration can implement only one platform. Each integration must declare which platform it's integrating.

PLATFORM ID LIST

1.3 Basic usage

Each integration should inherit from the *Plugin* class. Supported methods like *get_owned_games()* should be overwritten - they are called from the GOG Galaxy client at the appropriate times. Each of those methods can raise exceptions inherited from the *ApplicationError*. Communication between an integration and the client is also possible with the use of notifications, for example: *update_local_game_status()*.

```
import sys
from galaxy.api.plugin import Plugin, create_and_run_plugin
from galaxy.api.consts import Platform

class PluginExample(Plugin):
    def __init__(self, reader, writer, token):
        super().__init__(
            Platform.Generic, # Choose platform from available list
            "0.1", # Version
            reader,
            writer,
            token
        )

    # implement methods
    async def authenticate(self, stored_credentials=None):
        pass

def main():
    create_and_run_plugin(PluginExample, sys.argv)

# run plugin event loop
if __name__ == "__main__":
    main()
```

1.4 Deployment

The client has a built-in Python 3.7 interpreter, so integrations are delivered as Python modules. In order to be found by GOG Galaxy 2.0 an integration folder should be placed in *lookup directory*. Beside all the Python files, the integration folder must contain *manifest.json* and all third-party dependencies. See an *exemplary structure*.

1.4.1 Lookup directory

- Windows:

  ```
  %localappdata%\GOG.com\Galaxy\plugins\installed
  ```

- macOS:

  ```
  ~/Library/Application Support/GOG.com/Galaxy/plugins/installed
  ```

1.4.2 Manifest

Obligatory JSON file to be placed in an integration folder.

```
{
    "name": "Example plugin",
    "platform": "generic",
    "guid": "UNIQUE-GUID",
    "version": "0.1",
    "description": "Example plugin",
    "author": "Name",
    "email": "author@email.com",
```

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```
    "url": "https://github.com/user/galaxy-plugin-example",
    "script": "plugin.py"
}
```

property	description
guid	
description	
url	
script	path of the entry point module, relative to the integration folder

1.4.3 Dependencies

All third-party packages (packages not included in the Python 3.7 standard library) should be deployed along with plugin files. Use the following command structure:

```
pip install DEP --target DIR --implementation cp --python-version 37
```

For example, a plugin that uses *requests* could have the following structure:

```
installed
└── my_integration
    ├── galaxy
    │   └── api
    ├── requests
    │   └── ...
    ├── plugin.py
    └── manifest.json
```

1.5 Legal Notice

By integrating or attempting to integrate any applications or content with or into GOG Galaxy 2.0 you represent that such application or content is your original creation (other than any software made available by GOG) and/or that you have all necessary rights to grant such applicable rights to the relevant community integration to GOG and to GOG Galaxy 2.0 end users for the purpose of use of such community integration and that such community integration comply with any third party license and other requirements including compliance with applicable laws.

CHAPTER

TWO

GALAXY.API

2.1 plugin

class galaxy.api.plugin.**Plugin**(*platform*, *version*, *reader*, *writer*, *handshake_token*)

Use and override methods of this class to create a new platform integration.

persistent_cache

The cache is only available after the *handshake_complete()* is called.

Return type Dict[~KT, ~VT]

create_task(*coro*, *description*)

Wrapper around asyncio.create_task - takes care of canceling tasks on shutdown

store_credentials(*credentials*)

Notify the client to store authentication credentials. Credentials are passed on the next authenticate call.

Parameters **credentials** (Dict[str, Any]) – credentials that client will store; they are stored locally on a user pc

Example use case of store_credentials:

```
async def pass_login_credentials(self, step, credentials, cookies):
    if self.got_everything(credentials,cookies):
        user_data = await self.parse_credentials(credentials,cookies)
    else:
        next_params = self.get_next_params(credentials,cookies)
        next_cookies = self.get_next_cookies(credentials,cookies)
        return NextStep("web_session", next_params, cookies=next_cookies)
    self.store_credentials(user_data['credentials'])
    return Authentication(user_data['userId'], user_data['username'])
```

Return type None

add_game(*game*)

Notify the client to add game to the list of owned games of the currently authenticated user.

Parameters **game** (*Game*) – Game to add to the list of owned games

Example use case of add_game:

```
async def check_for_new_games(self):
    games = await self.get_owned_games()
    for game in games:
        if game not in self.owned_games_cache:
```

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```
            self.owned_games_cache.append(game)
            self.add_game(game)
```

Return type None

remove_game(*game_id*)

Notify the client to remove game from the list of owned games of the currently authenticated user.

Parameters **game_id** (str) – game id of the game to remove from the list of owned games

Example use case of remove_game:

```
async def check_for_removed_games(self):
    games = await self.get_owned_games()
    for game in self.owned_games_cache:
        if game not in games:
            self.owned_games_cache.remove(game)
            self.remove_game(game.game_id)
```

Return type None

update_game(*game*)

Notify the client to update the status of a game owned by the currently authenticated user.

Parameters **game** (*Game*) – Game to update

Return type None

unlock_achievement(*game_id*, *achievement*)

Notify the client to unlock an achievement for a specific game.

Parameters

- **game_id** (str) – game_id of the game for which to unlock an achievement.
- **achievement** (*Achievement*) – achievement to unlock.

Return type None

update_local_game_status(*local_game*)

Notify the client to update the status of a local game.

Parameters **local_game** (*LocalGame*) – the LocalGame to update

Example use case triggered by the *tick()* method:

```
async def _check_statuses(self):
    for game in await self._get_local_games():
        if game.status == self._cached_game_statuses.get(game.id):
            continue
        self.update_local_game_status(LocalGame(game.id, game.status))
        self._cached_games_statuses[game.id] = game.status
    await asyncio.sleep(5)  # interval

def tick(self):
    if self._check_statuses_task is None or self._check_statuses_task.done():
        self._check_statuses_task = asyncio.create_task(self._check_
↪statuses())
```

Return type None

add_friend(*user*)
Notify the client to add a user to friends list of the currently authenticated user.

Parameters **user** (*FriendInfo*) – FriendInfo of a user that the client will add to friends list

Return type None

remove_friend(*user_id*)
Notify the client to remove a user from friends list of the currently authenticated user.

Parameters **user_id** (str) – id of the user to remove from friends list

Return type None

update_game_time(*game_time*)
Notify the client to update game time for a game.

Parameters **game_time** (*GameTime*) – game time to update

Return type None

lost_authentication()
Notify the client that integration has lost authentication for the current user and is unable to perform actions which would require it.

Return type None

push_cache()
Push local copy of the persistent cache to the GOG Galaxy Client replacing existing one.

Return type None

handshake_complete()
This method is called right after the handshake with the GOG Galaxy Client is complete and before any other operations are called by the GOG Galaxy Client. Persistent cache is available when this method is called. Override it if you need to do additional plugin initializations. This method is called internally.

Return type None

tick()
This method is called periodically. Override it to implement periodical non-blocking tasks. This method is called internally.

Example of possible override of the method:

```
def tick(self):
    if not self.checking_for_new_games:
        asyncio.create_task(self.check_for_new_games())
    if not self.checking_for_removed_games:
        asyncio.create_task(self.check_for_removed_games())
    if not self.updating_game_statuses:
        asyncio.create_task(self.update_game_statuses())
```

Return type None

shutdown()
This method is called on integration shutdown. Override it to implement tear down. This method is called by the GOG Galaxy Client.

Return type None

authenticate(*stored_credentials=None*)

Override this method to handle user authentication. This method should either return *Authentication* if the authentication is finished or *NextStep* if it requires going to another url. This method is called by the GOG Galaxy Client.

Parameters **stored_credentials** (Optional[Dict[~KT, ~VT]]) – If the client received any credentials to store locally in the previous session they will be passed here as a parameter.

Example of possible override of the method:

```
async def authenticate(self, stored_credentials=None):
    if not stored_credentials:
        return NextStep("web_session", PARAMS, cookies=COOKIES)
    else:
        try:
            user_data = self._authenticate(stored_credentials)
        except AccessDenied:
            raise InvalidCredentials()
    return Authentication(user_data['userId'], user_data['username'])
```

Return type Union[*NextStep*, *Authentication*]

get_friends()

Override this method to return the friends list of the currently authenticated user. This method is called by the GOG Galaxy Client.

Example of possible override of the method:

```
async def get_friends(self):
    if not self._http_client.is_authenticated():
        raise AuthenticationRequired()

    friends = self.retrieve_friends()
    return friends
```

Return type List[*FriendInfo*]

get_game_time(*game_id*, *context*)

Override this method to return the game time for the game identified by the provided game_id. This method is called by import task initialized by GOG Galaxy Client.

Parameters

- **game_id** (str) –
- **context** (Any) – Value return from *prepare_game_times_context()*

Return type *GameTime*

Returns

get_local_games()

Override this method to return the list of games present locally on the users pc. This method is called by the GOG Galaxy Client.

Example of possible override of the method:

```
async def get_local_games(self):
    local_games = []
    for game in self.games_present_on_user_pc:
        local_game = LocalGame()
        local_game.game_id = game.id
        local_game.local_game_state = game.get_installation_status()
        local_games.append(local_game)
    return local_games
```

Return type List[*LocalGame*]

get_owned_games()

Override this method to return owned games for currently logged in user. This method is called by the GOG Galaxy Client.

Example of possible override of the method:

```
async def get_owned_games(self):
    if not self.authenticated():
        raise AuthenticationRequired()

    games = self.retrieve_owned_games()
    return games
```

Return type List[*Game*]

install_game(*game_id*)

Override this method to install the game identified by the provided game_id. This method is called by the GOG Galaxy Client.

Parameters **game_id** (*str*) – id of the game to install

Example of possible override of the method:

```
async def install_game(self, game_id):
    await self.open_uri(f"start client://installgame/{game_id}")
```

Return type None

launch_game(*game_id*)

Override this method to launch the game identified by the provided game_id. This method is called by the GOG Galaxy Client.

Parameters **game_id** (*str*) – id of the game to launch

Example of possible override of the method:

```
async def launch_game(self, game_id):
    await self.open_uri(f"start client://launchgame/{game_id}")
```

Return type None

pass_login_credentials(*step*, *credentials*, *cookies*)

This method is called if we return galaxy.api.types.NextStep from authenticate or from pass_login_credentials. This method's parameters provide the data extracted from the web page navigation that previous NextStep finished on. This method should either return galaxy.api.types.Authentication if

the authentication is finished or galaxy.api.types.NextStep if it requires going to another cef url. This method is called by the GOG Galaxy Client.

Parameters

- **step** (str) – deprecated.
- **credentials** (Dict[str, str]) – end_uri previous NextStep finished on.
- **cookies** (List[Dict[str, str]]) – cookies extracted from the end_uri site.

Example of possible override of the method:

```
async def pass_login_credentials(self, step, credentials, cookies):
    if self.got_everything(credentials,cookies):
        user_data = await self.parse_credentials(credentials,cookies)
    else:
        next_params = self.get_next_params(credentials,cookies)
        next_cookies = self.get_next_cookies(credentials,cookies)
        return NextStep("web_session", next_params, cookies=next_cookies)
    self.store_credentials(user_data['credentials'])
    return Authentication(user_data['userId'], user_data['username'])
```

Return type Union[*NextStep*, *Authentication*]

prepare_achievements_context(*game_ids*)

Override this method to prepare context for get_unlocked_achievements.

This allows for optimizations like batch requests to platform API. Default implementation returns None.

Return type Any

prepare_game_times_context(*game_ids*)

Override this method to prepare context for get_game_time. This allows for optimizations like batch requests to platform API. Default implementation returns None.

Return type Any

run()

Plugin's main coroutine.

shutdown_platform_client()

Override this method to gracefully terminate platform client. This method is called by the GOG Galaxy Client.

Return type None

uninstall_game(*game_id*)

Override this method to uninstall the game identified by the provided game_id. This method is called by the GOG Galaxy Client.

Parameters **game_id** (*str*) – id of the game to uninstall

Example of possible override of the method:

```
async def uninstall_game(self, game_id):
    await self.open_uri(f"start client://uninstallgame/{game_id}")
```

Return type None

galaxy.api.plugin.**create_and_run_plugin**(*plugin_class*, *argv*)

Call this method as an entry point for the implemented integration.

Parameters

- **plugin_class** – your plugin class.
- **argv** – command line arguments with which the script was started.

Example of possible use of the method:

```
def main():
    create_and_run_plugin(PlatformPlugin, sys.argv)

if __name__ == "__main__":
    main()
```

2.2 types

class galaxy.api.types.**Authentication**(*user_id*, *user_name*)

Return this from *authenticate()* or *pass_login_credentials()* to inform the client that authentication has successfully finished.

Parameters

- **user_id** (str) – id of the authenticated user
- **user_name** (str) – username of the authenticated user

class galaxy.api.types.**Cookie**(*name*, *value*, *domain=None*, *path=None*)

Parameters

- **name** (str) – name of the cookie
- **value** (str) – value of the cookie
- **domain** (Optional[str]) – optional domain of the cookie
- **path** (Optional[str]) – optional path of the cookie

domain = None

path = None

class galaxy.api.types.**NextStep**(*next_step*, *auth_params*, *cookies=None*, *js=None*)

Return this from *authenticate()* or *pass_login_credentials()* to open client built-in browser with given url. For example:

```
PARAMS = {
    "window_title": "Login to platform",
    "window_width": 800,
    "window_height": 600,
    "start_uri": URL,
    "end_uri_regex": r"^https://platform_website\.com/.*"
}

JS = {r"^https://platform_website\.com/.*": [
    r'''
        location.reload();
    '''
]}

```

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```
COOKIES = [Cookie("Cookie1", "ok", ".platform.com"),
    Cookie("Cookie2", "ok", ".platform.com")
    ]

async def authenticate(self, stored_credentials=None):
    if not stored_credentials:
        return NextStep("web_session", PARAMS, cookies=COOKIES, js=JS)
```

Parameters

- **auth_params** (Dict[str, str]) – configuration options: {"window_title": str, "window_width": str, "window_height": int, "start_uri": int, "end_uri_regex": str}
- **cookies** (Optional[List[*Cookie*]]) – browser initial set of cookies
- **js** (Optional[Dict[str, List[str]]]) – a map of the url regex patterns into the list of *js* scripts that should be executed on every document at given step of internal browser authentication.

cookies = None

js = None

class galaxy.api.types.**LicenseInfo**(*license_type*, *owner=None*)

Information about the license of related product.

Parameters

- **license_type** (*LicenseType*) – type of license
- **owner** (Optional[str]) – optional owner of the related product, defaults to currently authenticated user

owner = None

class galaxy.api.types.**Dlc**(*dlc_id*, *dlc_title*, *license_info*)

Downloadable content object.

Parameters

- **dlc_id** (str) – id of the dlc
- **dlc_title** (str) – title of the dlc
- **license_info** (*LicenseInfo*) – information about the license attached to the dlc

class galaxy.api.types.**Game**(*game_id*, *game_title*, *dlcs*, *license_info*)

Game object.

Parameters

- **game_id** (str) – unique identifier of the game, this will be passed as parameter for methods such as launch_game
- **game_title** (str) – title of the game
- **dlcs** (Optional[List[*Dlc*]]) – list of dlcs available for the game
- **license_info** (*LicenseInfo*) – information about the license attached to the game

class galaxy.api.types.**Achievement**(*unlock_time*, *achievement_id=None*, *achievement_name=None*)

Achievement, has to be initialized with either id or name.

Parameters

- **unlock_time** (int) – unlock time of the achievement
- **achievement_id** (Optional[str]) – optional id of the achievement
- **achievement_name** (Optional[str]) – optional name of the achievement

achievement_id = None

achievement_name = None

class galaxy.api.types.**LocalGame**(*game_id*, *local_game_state*)
Game locally present on the authenticated user's computer.

Parameters

- **game_id** (str) – id of the game
- **local_game_state** (*LocalGameState*) – state of the game

class galaxy.api.types.**FriendInfo**(*user_id*, *user_name*)
Information about a friend of the currently authenticated user.

Parameters

- **user_id** (str) – id of the user
- **user_name** (str) – username of the user

class galaxy.api.types.**GameTime**(*game_id*, *time_played*, *last_played_time*)
Game time of a game, defines the total time spent in the game and the last time the game was played.

Parameters

- **game_id** (str) – id of the related game
- **time_played** (Optional[int]) – the total time spent in the game in **minutes**
- **last_time_played** – last time the game was played (**unix timestamp**)

2.3 consts

class galaxy.api.consts.**Platform**
Bases: enum.Enum

Supported gaming platforms

Unknown = 'unknown'

Gog = 'gog'

Steam = 'steam'

Psn = 'psn'

XBoxOne = 'xboxone'

Generic = 'generic'

Origin = 'origin'

Uplay = 'uplay'

Battlenet = 'battlenet'

Epic = 'epic'

```
    Bethesda = 'bethesda'
    ParadoxPlaza = 'paradox'
    HumbleBundle = 'humble'
    Kartridge = 'kartridge'
    ItchIo = 'itch'
    NintendoSwitch = 'nswitch'
    NintendoWiiU = 'nwiiu'
    NintendoWii = 'nwii'
    NintendoGameCube = 'ncube'
    RiotGames = 'riot'
    Wargaming = 'wargaming'
    NintendoGameBoy = 'ngameboy'
    Atari = 'atari'
    Amiga = 'amiga'
    SuperNintendoEntertainmentSystem = 'snes'
    Beamdog = 'beamdog'
    Direct2Drive = 'd2d'
    Discord = 'discord'
    DotEmu = 'dotemu'
    GameHouse = 'gamehouse'
    GreenManGaming = 'gmg'
    WePlay = 'weplay'
    ZxSpectrum = 'zx'
    ColecoVision = 'vision'
    NintendoEntertainmentSystem = 'nes'
    SegaMasterSystem = 'sms'
    Commodore64 = 'c64'
    PcEngine = 'pce'
    SegaGenesis = 'segag'
    NeoGeo = 'neo'
    Sega32X = 'sega32'
    SegaCd = 'segacd'
    SegaSaturn = 'saturn'
    PlayStation = 'psx'
    PlayStation2 = 'ps2'
    Nintendo64 = 'n64'
```

AtariJaguar = 'jaguar'

SegaDreamcast = 'dc'

Xbox = 'xboxog'

Amazon = 'amazon'

GamersGate = 'gg'

Newegg = 'egg'

BestBuy = 'bb'

GameUk = 'gameuk'

Fanatical = 'fanatical'

PlayAsia = 'playasia'

Stadia = 'stadia'

Arc = 'arc'

ElderScrollsOnline = 'eso'

Glyph = 'glyph'

AionLegionsOfWar = 'aionl'

Aion = 'aion'

BladeAndSoul = 'blade'

GuildWars = 'gw'

GuildWars2 = 'gw2'

Lineage2 = 'lin2'

FinalFantasy11 = 'ffxi'

FinalFantasy14 = 'ffxiv'

TotalWar = 'totalwar'

WindowsStore = 'winstore'

EliteDangerous = 'elites'

StarCitizen = 'star'

PlayStationPortable = 'psp'

PlayStationVita = 'psvita'

NintendoDs = 'nds'

Nintendo3Ds = '3ds'

PathOfExile = 'pathofexile'

class galaxy.api.consts.**LicenseType**

Bases: enum.Enum

Possible game license types, understandable for the GOG Galaxy client.

Unknown = 'Unknown'

SinglePurchase = 'SinglePurchase'

FreeToPlay = 'FreeToPlay'

OtherUserLicense = 'OtherUserLicense'

class galaxy.api.consts.**LocalGameState**
Bases: enum.Flag

Possible states that a local game can be in. For example a game which is both installed and currently running should have its state set as a "bitwise or" of Running and Installed flags: local_game_state=<LocalGameState.Running|Installed: 3>

None_ = 0

Installed = 1

Running = 2

2.4 errors

exception galaxy.api.jsonrpc.**ApplicationError**(*code*, *message*, *data*)
Bases: galaxy.api.jsonrpc.JsonRpcError

exception galaxy.api.jsonrpc.**UnknownError**(*data=None*)
Bases: *galaxy.api.jsonrpc.ApplicationError*

exception galaxy.api.errors.**AuthenticationRequired**(*data=None*)
Bases: *galaxy.api.jsonrpc.ApplicationError*

exception galaxy.api.errors.**BackendNotAvailable**(*data=None*)
Bases: *galaxy.api.jsonrpc.ApplicationError*

exception galaxy.api.errors.**BackendTimeout**(*data=None*)
Bases: *galaxy.api.jsonrpc.ApplicationError*

exception galaxy.api.errors.**BackendError**(*data=None*)
Bases: *galaxy.api.jsonrpc.ApplicationError*

exception galaxy.api.errors.**UnknownBackendResponse**(*data=None*)
Bases: *galaxy.api.jsonrpc.ApplicationError*

exception galaxy.api.errors.**TooManyRequests**(*data=None*)
Bases: *galaxy.api.jsonrpc.ApplicationError*

exception galaxy.api.errors.**InvalidCredentials**(*data=None*)
Bases: *galaxy.api.jsonrpc.ApplicationError*

exception galaxy.api.errors.**NetworkError**(*data=None*)
Bases: *galaxy.api.jsonrpc.ApplicationError*

exception galaxy.api.errors.**LoggedInElsewhere**(*data=None*)
Bases: *galaxy.api.jsonrpc.ApplicationError*

exception galaxy.api.errors.**ProtocolError**(*data=None*)
Bases: *galaxy.api.jsonrpc.ApplicationError*

exception galaxy.api.errors.**TemporaryBlocked**(*data=None*)
Bases: *galaxy.api.jsonrpc.ApplicationError*

exception galaxy.api.errors.**Banned**(*data=None*)
Bases: *galaxy.api.jsonrpc.ApplicationError*

exception galaxy.api.errors.**AccessDenied**(*data=None*)
Bases: *galaxy.api.jsonrpc.ApplicationError*

exception galaxy.api.errors.**FailedParsingManifest**(*data=None*)
Bases: *galaxy.api.jsonrpc.ApplicationError*

exception galaxy.api.errors.**TooManyMessagesSent**(*data=None*)
Bases: *galaxy.api.jsonrpc.ApplicationError*

exception galaxy.api.errors.**IncoherentLastMessage**(*data=None*)
Bases: *galaxy.api.jsonrpc.ApplicationError*

exception galaxy.api.errors.**MessageNotFound**(*data=None*)
Bases: *galaxy.api.jsonrpc.ApplicationError*

exception galaxy.api.errors.**ImportInProgress**(*data=None*)
Bases: *galaxy.api.jsonrpc.ApplicationError*

CHAPTER

THREE

PLATFORM ID LIST

Platform ID list for GOG Galaxy 2.0 Integrations

ID	Name
steam	Steam
psn	PlayStation Network
xboxone	Xbox Live
generic	Manually added games
origin	Origin
uplay	Uplay
battlenet	Battle.net
epic	Epic Games Store
bethesda	Bethesda.net
paradox	Paradox Plaza
humble	Humble Bundle
kartridge	Kartridge
itch	Itch.io
nswitch	Nintendo Switch
nwiiu	Nintendo Wii U
nwii	Nintendo Wii
ncube	Nintendo Game Cube
riot	Riot
wargaming	Wargaming
ngameboy	Nintendo Game Boy
atari	Atari
amiga	Amiga
snes	SNES
beamdog	Beamdog
d2d	Direct2Drive
discord	Discord
dotemu	DotEmu
gamehouse	GameHouse
gmg	Green Man Gaming
weplay	WePlay
zx	Zx Spectrum PC
vision	ColecoVision
nes	NES
sms	Sega Master System
c64	Commodore 64

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ID	Name
pce	PC Engine
segag	Sega Genesis
neo	NeoGeo
sega32	Sega 32X
segacd	Sega CD
3do	3DO Interactive
saturn	SegaSaturn
psx	Sony PlayStation
ps2	Sony PlayStation 2
n64	Nintendo64
jaguar	Atari Jaguar
dc	Sega Dreamcast
xboxog	Original Xbox games
amazon	Amazon
gg	GamersGate
egg	Newegg
bb	BestBuy
gameuk	Game UK
fanatical	Fanatical store
playasia	PlayAsia
stadia	Google Stadia
arc	ARC
eso	ESO
glyph	Trion World
aionl	Aion: Legions of War
aion	Aion
blade	Blade and Soul
gw	Guild Wars
gw2	Guild Wars 2
lin2	Lineage 2
ffxi	Final Fantasy XI
ffxiv	Final Fantasy XIV
totalwar	TotalWar
winstore	Windows Store
elites	Elite Dangerous
star	Star Citizen
psp	Playstation Portable
psvita	Playstation Vita
nds	Nintendo DS
3ds	Nintendo 3DS
pathofexile	Path of Exile

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