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# **dota2 Documentation**

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Supports Python 2.7+ and 3.4+.

Module based on [steam](#) for interacting with Dota 2's Game Coordinator.  
If you've used [node-dota2](#) this module should feel familiar.

As always contributions and suggestions are welcome. Just visit the [repository](#) on [github](#).



# CHAPTER 1

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## Getting started

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### 1.1 User Guide

This part of the documentation is a quick start for writing applications that interact with the game coordinator for Dota 2.

#### 1.1.1 Initialization

Below is a example how to login and get a session with game coordinator. See [steam's docs](#) for details about `SteamClient`.

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**Note:** You won't see any output running the code above. In order to peek inside we need to setup debug logging. See the [Configure console logging](#) section

---

```
from steam.client import SteamClient
from dota2.client import Dota2Client

client = SteamClient()
dota = Dota2Client(client)

@client.on('logged_on')
def start_dota():
    dota.launch()

@dota.on('ready')
def do_dota_stuff():
    # talk to GC

client.cli_login()
client.run_forever()
```

## 1.1.2 Working with events

This module makes use of `gevent` and `gevent-eventemitter`. Working with events is similiar to `EventEmitter` in javascript. Nevertheless, here is quick rundown.

To catch an event we need to register a callback

```
@dota.on('my event')
def do_stuff(a, b):
    print "Hey!"

dota.on('my event', do_stuff)
dota.once('my event', do_stuff) # call do_stuff just one time
dota.wait_event('my event') # blocks and returns arguments, if any
```

---

**Note:** `wait_event` may block forever, so use the `timeout` parameter

---

Emitting an event is simple

```
dota.emit("my event")
dota.emit("my event", 1, [3,4,5]) # optional arguments
```

That's it. For more details see [gevent-eventemitter](#).

## 1.1.3 Fetch player profile card

You've probably seen the profile cards in Dota 2. They contain player selected stats, such trophies, number of matches, or MMR.

We can request that data using an API from the `features` module.

Let's get Dendi's profile card. All we need is his account id, which is 70388657.

```
@dota.on('ready')
def fetch_profile_card():
    dota.request_profile_card(70388657)

@dota.on('profile_card'):
def print_profile_card(account_id, profile_card):
    if account_id == 70388657:
        print str(profile_card)
```

The profile card request also happens to be a job. `request_profile_card` returns a `job id` and we can wait for it instead. However, we will not get the same parameters as from `profile_card`

---

**Note:** Listening for the `job id` will only give you one argument: the protobuf message

---

```
@dota.on('ready')
def fetch_profile_card():
    jobid = dota.request_profile_card(70388657)
    profile_card = dota.wait_msg(jobid, timeout=10)

    if profile_card:
        print str(profile_card)
```

---

**Note:** Not every request returns a job id, see the API documentation for details

---

Running the code above will output something like this:

```
account_id: 70388657
background_def_index: 0
slots {
    slot_id: 0
    stat {
        stat_id: k_eStat_FirstMatchDate
        stat_score: 1314309005
    }
}
slots {
    slot_id: 1
    stat {
        stat_id: k_eStat_SoloRank
        stat_score: 6775
```

## 1.1.4 Configure console logging

Here is a basic configuration to get debug messages in the console.

```
import logging

logging.basicConfig(format='[%(asctime)s] %(levelname)s %(name)s: %(message)s',
                    level=logging.DEBUG)
```

The we run the program and the console ouput should look something like this:

```
[2016-01-01 12:34:56,000] DEBUG CMClient: Connect initiated.
[2016-01-01 12:34:56,000] DEBUG Connection: Attempting connection to ('208.78.164.13',
↪ 27018)
[2016-01-01 12:34:56,000] DEBUG Connection: Connected.
[2016-01-01 12:34:56,000] DEBUG CMClient: Emit event: 'connected'
[2016-01-01 12:34:56,000] DEBUG SteamClient: Emit event: 'connected'
[2016-01-01 12:34:56,000] DEBUG SteamClient: Attempting login
[2016-01-01 12:34:56,000] DEBUG CMClient: Incoming: <Msg <EMsg.ChannelEncryptRequest:<
↪1303>>
[2016-01-01 12:34:56,000] DEBUG CMClient: Emit event: <EMsg.ChannelEncryptRequest:<
↪1303>
...
...
```



# CHAPTER 2

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## API Documentation

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### 2.1 dota2 API

Documentation related to various APIs available in this package.

#### 2.1.1 features

This package contains all high level features of the `dota2.client.Dota2Client`.

##### player

Features related to community, players and profiles.

`class dota2.features.player.Player`  
Bases: `object`

`request_profile(account_id)`

Request profile details

**Parameters** `account_id(int)` – steam account\_id

**Returns** job id

**Return type** `str`

Response event: `profile_data`

**Parameters**

- `account_id(int)` – account\_id from request
- `message(proto message)` – `CMsgProfileResponse`

`request_gc_profile(account_id, request_name=False)`

Request profile details

**Warning:** Disabled by Valve

**Parameters**

- **account\_id** (`int`) – steam account\_id
- **request\_name** (`bool`) – whether to return name

**Returns** job id

**Return type** `str`

Response event: `gc_profile_data`

**Parameters**

- **account\_id** (`int`) – account\_id from request
- **eresult** (`steam.enums.common.EResult`) – result enum
- **message** (`proto message`) – `CMsgDOTAProfileResponse`

**request\_profile\_card** (`account_id`)

Request profile card

**Parameters** `account_id` (`int`) – steam account\_id

**Returns** job id

**Return type** `str`

Response event: `profile_card`

**Parameters**

- **account\_id** (`int`) – account\_id from request
- **message** (`proto message`) – `CMsgDOTAProfileCard`

**request\_player\_stats** (`account_id`)

Request players stats. These are located in the `play` style box on a player profile.

**Parameters** `account_id` (`int`) – steam account\_id

**Returns** job id

**Return type** `str`

Response event: `player_stats`

**Parameters**

- **account\_id** (`int`) – account\_id from request
- **message** (`proto message`) – `CMsgGCToClientPlayerStatsResponse`

**request\_player\_info** (`account_ids`)

**Warning:** Disabled by Valve

Request official player information

**Parameters** `account_id` (`list`) – A list of account ids

Response event: player\_info

**Parameters** **message** (*proto message*) – CMsgGCPlayerInfo

**request\_conduct\_scorecard()**

Request conduct scorecard, otherwise known as conduct summary

**Returns** job id

**Return type** str

Response event: conduct\_scorecard

**Parameters** **message** (*proto message*) – CMsgPlayerConductScorecard

**request\_hero\_standings()**

Request hero stands for the currently logged on account. This is the data from the stats tab on your profile.

Response event: hero\_standings

**Parameters** **message** (*proto message*) – CMsgGCHeroStandingsResponse

## match

Features related to matches and matchmaking.

**class** dota2.features.match.Match

Bases: object

**request\_matchmaking\_stats()**

Request matchmaking statistics

Response event: matchmaking\_stats

**Parameters** **message** (*proto message*) – CMsgDOTAMatchmakingStatsResponse

**request\_match\_details(*match\_id*)**

Request match details for a specific match

---

**Note:** Rate limited to 100 requests/day

---

**Parameters** **match\_id** (int) – match id

**Returns** job event id

**Return type** str

Response event: match\_details

**Parameters**

- **match\_id** (int) – match\_id for response
- **eresult** (steam.enums.common.EResult) – result enum
- **match** (*proto message*) – CMsgDOTAMatch

**request\_matches(\*\*kwargs)**

Request matches. For arguments see CMsgDOTARequestMatches

---

**Note:** Rate limited to 50 requests/day

---

**Warning:** Some of the arguments don't work. Ask Valve

**Returns** job event id

**Return type** str

Response event: matches

**Parameters** message (proto message) – CMgDOTAResponse

**request\_matches\_minimal** (match\_ids)

Request matches with only minimal data.

**Parameters** match\_ids (list) – match ids

**Returns** job event id

**Return type** str

Response event: matches\_minimal

**Parameters** matches (list) – list of CMgDOTAMatchMinimal

**request\_top\_source\_tv\_games** (\*\*kwargs)

Find top source TV games. For arguments see CMgClientToGCFindTopSourceTVGames

Response event: top\_source\_tv\_games

**Parameters** response (proto message) – CMgGCToClientFindTopSourceTVGames-Response

**request\_player\_match\_history** (\*\*kwargs)

Request player match history

**Parameters**

- account\_id (int) – account id
- start\_at\_match\_id (int) – matches from before this match id (0 for latest)
- matches\_requested (int) – number of matches to return
- hero\_id (int) – filter by hero id
- request\_id (int) – request id to match with the response with the request
- include\_practice\_matches (bool) – whether to include practice matches
- include\_custom\_games (bool) – whether to include custom matches

Response event: player\_match\_history

**Parameters**

- request\_id (int) – request id from the request
- matches (list) – CMgDOTAGetPlayerMatchHistoryResponse.matches

## party

Features related to party invite and communication.

**class** dota2.features.party.**Party**  
Bases: `object`

**EVENT\_PARTY\_INVITE** = 'party\_invite'

When a party invite is received

**Parameters** `message` (*proto message*) – CSODATAPartyInvite

**EVENT\_NEW\_PARTY** = 'new\_party'

Entered a party, either by inviting someone or accepting an invite

**Parameters** `message` (*proto message*) – CSODATAParty

**EVENT\_PARTY\_CHANGED** = 'party\_changed'

Anything changes to the party state, leaving/entering/invites etc

**Parameters** `message` (*proto message*) – CSODATAParty

**EVENT\_PARTY\_REMOVED** = 'party\_removed'

Left party, either left, kicked or disbanded

**Parameters** `message` (*proto message*) – CSODATAParty

**EVENT\_INVITATION\_CREATED** = 'invitation\_created'

After inviting another user

**Parameters** `message` (*proto message*) – CMsgInvitationCreated

**party** = None

**respond\_to\_party\_invite** (`party_id`, `accept=False`)

Respond to a party invite.

**Parameters**

- **party\_id** – party id
- **accept** – accept

**leave\_party** ()

Leaves the current party.

**Returns** job event id

**Return type** str

**set\_party\_leader** (`steam_id`)

Set the new party leader.

**Parameters** `steam_id` – steam\_id

**Returns** job event id

**Return type** str

**set\_party\_coach\_flag** (`coach`)

Set the bot's status as a coach.

**Parameters** `coach` – bool

**Returns** job event id

**Return type** str

Response event: party\_coach

**Parameters**

- **steam\_id** (`int`) – steam\_id for response
- **message** – `CMsgDOTAPartyMemberSetCoach` proto message

**invite\_to\_party** (`steam_id`)

Invites a player to a party. This will create a new party if you aren't in one.

**Parameters** `steam_id` – steam\_id

**Returns** job event id

**Return type** `str`

Response event: invite\_to\_party

**Parameters** `message` – `CMsgInvitationCreated` proto message

**kick\_from\_party** (`steam_id`)

Kicks a player from the party. This will create a new party if you aren't in one.

**Parameters** `steam_id` – steam\_id

**Returns** job event id

**Return type** `str`

Response event: kick\_from\_party

**Parameters**

- **steam\_id** (`int`) – steam\_id for response
- **message** – `CMsgKickFromParty` proto message

## lobby

Lobby related features

**class** `dota2.features.lobby.Lobby`

Bases: `object`

**EVENT\_LOBBY\_INVITE** = '`lobby_invite`'

When a lobby invite is received :param message: `CSDOTALobbyInvite` :type message: proto message

**EVENT\_LOBBY\_INVITE\_REMOVED** = '`lobby_invite_removed`'

When a lobby invite is no longer valid :param message: `CSDOTALobbyInvite` :type message: proto message

**EVENT\_LOBBY\_NEW** = '`lobby_new`'

Entered a lobby, either by creating one or accepting an invite

**Parameters** `message` (`proto message`) – `CSODOTALobby`

**EVENT\_LOBBY\_CHANGED** = '`lobby_changed`'

Anything changes to the lobby state, players, options, broadcasters...

**Parameters** `message` (`proto message`) – `CSODOTALobby`

**EVENT\_LOBBY\_REMOVED** = '`lobby_removed`'

The lobby is not valid anymore, quit or kick.

**Parameters** `message` (`proto message`) – `CSODOTALobby`

---

**lobby = None**

**create\_practice\_lobby** (*password*=”, *options*=None)

Sends a message to the Game Coordinator requesting to create a lobby.

#### Parameters

- **password** (`str`) – password of lobby
- **options** (`dict`) – options to setup the lobby with

**create\_tournament\_lobby** (*password*=”, *tournament\_game\_id*=None, *tournament\_id*=0, *options*=None)

Sends a message to the Game Coordinator requesting to create a tournament lobby.

#### Parameters

- **password** (`str`) – password of lobby
- **tournament\_game\_id** (`int`) – tournament game id
- **tournament\_id** (`int`) – tournament id
- **options** (`dict`) – options to setup the lobby with

**config\_practice\_lobby** (*options*)

Change settings of the current lobby.

**Parameters** **options** (`dict`) – options to change in the lobby

**get\_lobby\_list** (*server\_region*=<*EServerRegion.Unspecified*: 0>,

*game\_mode*=<*DOTA\_GameMode.DOTA\_GAMEMODE\_NONE*: 0>)

Get a lobby list

---

**Note:** These are regular lobbies. (e.g. All pick, Captains Mode, etc)

#### Parameters

- **server\_region** (*EServerRegion*) – limit to a specific server region
- **game\_mode** (*DOTA\_GameMode*) – limit to specific game mode, *DOTA\_GAMEMODE\_NONE* means any

**Returns** List of `CMsgPracticeLobbyListResponseEntry`

**Return type** proto message, `None`

**get\_practice\_lobby\_list** (*tournament\_games*=False, *password*=”)

Get list of practice lobbies

---

**Note:** These are private Custom Game lobbies

#### Parameters

- **tournament\_games** (`bool`) – whether to show tournament games only
- **password** (`str`) – practice lobbies with this password

#### Returns

List of `CMsgPracticeLobbyListResponseEntry`

**Return type** proto message, None

**get\_friend\_practice\_lobby\_list()**

Request a list of friend practice lobbies.

**Returns**

List of CMsgPracticeLobbyListResponseEntry

**Return type** proto message, None

**balanced\_shuffle\_lobby()**

Balance shuffle the the lobby.

**flip\_lobby\_teams()**

Flip both teams of the lobby.

**invite\_to\_lobby(steam\_id)**

Asks to invite a player to your lobby. This creates a new default lobby when you are not already in one.

**Parameters** **steam\_id**(int) – steam\_id

**practice\_lobby\_kick(account\_id)**

Kick a player from the lobby.

**Parameters** **account\_id**(int) – 32-bit steam\_id of the user to kick from the lobby

**practice\_lobby\_kick\_from\_team(account\_id)**

Kick a player from the his current lobby team.

**Parameters** **account\_id**(int) – 32-bit steam\_id of the user to kick from a team

**join\_practice\_lobby(id, password= ”)**

Join the target practice lobby.

**Parameters**

- **id**(int) – id of the lobby to join
- **password**(str) – password necessary to join the lobby

**Returns** Result of the join command from the GC

**Return type**

**class DOTAJoinLobbyResult.**

**DOTAJoinLobbyRe-**

**sult.DOTA\_JOIN\_RESULT\_TIMEOUT if timeout**

**leave\_practice\_lobby()**

Sends a message to the Game Coordinator requesting to leave the current lobby.

**abandon\_current\_game()**

Abandon the current game.

**launch\_practice\_lobby()**

Launch the current lobby into a game.

**join\_practice\_lobby\_team(slot=1, team=<DOTA\_GC\_TEAM.PLAYER\_POOL: 4>)**

Join on of the lobby team at the specified slot.

**Parameters**

- **slot**(int) – slot to join into
- **team**(DOTA\_GC\_TEAM) – team to join

**join\_practice\_lobby\_broadcast\_channel**(channel=1)

Join a specific channel of the broadcasters.

**Parameters** `channel` (`int`) – channel to join into

**add\_bot\_to\_practice\_lobby**(slot=1, team=<DOTA\_GC\_TEAM.GOOD\_GUYS: 0>, bot\_difficulty=<DOTABotDifficulty.BOT\_DIFFICULTY\_PASSIVE: 0>)

Add a bot in the lobby.

**Parameters**

- `slot` (`int`) – slot to join into
- `team` (`DOTA_GC_TEAM`) – team to join
- `bot_difficulty` (`DOTABotDifficulty`) – difficulty of the bot

**respond\_to\_lobby\_invite**(lobby\_id, accept=False)

Answer to a lobby invite.

**Parameters**

- `id` (`int`) – lobby\_id to answer to.
- `accept` (`bool`) – answer to the lobby invite

**destroy\_lobby**()

Destroy the current lobby (host only)

**Returns** job\_id for response

**Return type** `str`

**chat**

Chat channel features

**class** dota2.features.chat.**ChatBase**

Bases: `object`

**class** dota2.features.chat.**ChannelManager**(dota\_client, logger\_name)

Bases: `eventemitter.EventEmitter`

**EVENT\_JOINED\_CHANNEL** = 'channel\_joined'

When the client join a channel.

**Parameters** `channel` (`ChatChannel`) – channel instance

**EVENT\_LEFT\_CHANNEL** = 'channel\_left'

When the client leaves a channel.

**Parameters** `channel` (`ChatChannel`) – channel instance

**EVENT\_MESSAGE** = 'message'

On a new channel message

**Parameters**

- `channel` (`ChatChannel`) – channel instance
- `message` (`CMsgDOTAChatMessage`) – message data

**EVENT\_CHANNEL\_MEMBERS\_UPDATE** = 'members\_update'

When users join/leave a channel

### Parameters

- **channel** (*ChatChannel*) – channel instance
- **joined** (*list*) – list of members who joined
- **left** (*list*) – list of members who left

**emit** (*event, \*args*)

Emit event with some arguments

### Parameters

- **event** (*any type*) – event identifier
- **args** – any or no arguments

**join\_channel** (*channel\_name, channel\_type=<DOTAChatChannelType\_t.DOTAChannelType\_Custom:1>*)

Join a chat channel

### Parameters

- **channel\_name** (*str*) – channel name
- **channel\_type** (*DOTAChatChannelType\_t*) – channel type

**Returns** join result

**Return type** *int*

Response event: *EVENT\_JOINED\_CHANNEL*

**join\_lobby\_channel** ()

Join the lobby channel if the client is in a lobby.

Response event: *EVENT\_JOINED\_CHANNEL*

**lobby**

References lobby channel if client has joined it

**Returns** channel instance

**Return type** *ChatChannel*

**join\_party\_channel** ()

Join the lobby channel if the client is in a lobby.

Response event: *EVENT\_JOINED\_CHANNEL*

**party**

References party channel if client has joined it

**Returns** channel instance

**Return type** *ChatChannel*

**get\_channel\_list** ()

Requests a list of chat channels from the GC.

**Returns** List of chat channels

**Return type** *CMsgDOTAChatGetUserListResponse, None*

**leave\_channel** (*channel\_id*)

**class** dota2.features.chat.**ChatChannel** (*channel\_manager, join\_data*)

Bases: *object*

---

```
leave()
    Leave channel

send(message)
    Send a message to the channel

    Parameters message (str) – message text

share_lobby()
    Share current lobby to the channel

flip_coin()
    Flip a coin

roll_dice(rollmin=1, rollmax=100)
    Roll a dice

    Parameters
        • rollmin (int) – dice min value
        • rollmax (int) – dice max value
```

## sharedobjects

Essentially a `dict` containing shared object caches. The objects are read-only, so don't change any values. The instance reference of individual objects will remain the same throughout their lifetime. Individual objects can be accessed via their key, if they have one.

---

**Note:** Some cache types don't have a key and only hold one object instance. Then only the cache type is needed to access it. (e.g. `CSOEconGameAccountClient`)

---

```
dota_client.socache[ESOType.CSOEconItem]           # dict with item objects, key = ↵item id
dota_client.socache[ESOType.CSOEconItem][123456]    # item object

dota_client.socache[ESOType.CSOEconGameAccountClient] # returns a ↵CSOEconGameAccountClient object
```

Events will be fired when individual objects are updated. Event key is a `tuple`` in the following format: `(event, cache_type)`.

The available events are `new`, `updated`, and `removed`. Each event has a single parameter, which is the object instance. Even when removed, there is object instance returned, usually only with the `key` field filled.

```
@dota_client.socache.on(('new', ESOType.CSOEconItem))
def got_a_new_item(obj):
    print "Got a new item! Yay"
    print obj

# access the item via socache at any time
print dota_client.socache[ESOType.CSOEconItem][obj.id]
```

```
dota2.features.sharedobjects.find_so_proto(type_id)
    Resolves proto message for given type_id

    Parameters type_id (dota2.enums.ESOType) – SO type
    Returns proto message or None
```

```
class dota2.features.sharedobjects.NO_KEY
dota2.features.sharedobjects.get_so_key_fields(desc)
dota2.features.sharedobjects.get_key_for_object(obj)
class dota2.features.sharedobjects.SOBase
    Bases: object

class dota2.features.sharedobjects.SOCache(dota_client, logger_name)
    Bases: eventemitter.EventEmitter, dict

class ESOType
    Bases: enum.IntEnum
        CMsgDOTATournament = 2009
        CSODOTAGameAccountClient = 2002
        CSODOTAGameAccountPlus = 2012
        CSODOTAGameHeroFavorites = 2007
        CSODOTALobby = 2004
        CSODOTALobbyInvite = 2011
        CSODOTAMapLocationState = 2008
        CSODOTAParty = 2003
        CSODOTAPartyInvite = 2006
        CSODOTAPlayerChallenge = 2010
        CSOEconGameAccountClient = 7
        CSOEconItem = 1
        CSOEconItemDropRateBonus = 38
        CSOEconItemEventTicket = 40
        CSOEconItemLeagueViewPass = 39
        CSOEconItemPresetInstance = 36
        CSOEconItemTournamentPassport = 42
        CSOItemRecipe = 5
        CSOSelectedItemPreset = 35
file_version = None
    so file version
emit(event, *args)
    Emit event with some arguments
```

#### Parameters

- **event** (*any type*) – event identifier
- **args** – any or no arguments

## 2.1.2 client

Only the most essential features to `dota2.client.Dota2Client` are found here. Every other feature is inherited from the `dota2.features` package and its submodules.

```
class dota2.client.Dota2Client (steam_client)
Bases: steam.client.gc.GameCoordinator, dota2.features.FeatureBase

Parameters steam_client (steam.client.SteamClient) – Instance of the steam client

verbose_debug = False
enable pretty print of messages in debug logging

app_id = 570
main client app id

ready = False
True when we have a session with GC

connection_status = 2
dota2.enums.GCConnectionStatus

account_id
Account ID of the logged in user in the steam client

steam_id
steam.steamid.SteamID of the logged-in user in the steam client

wait_msg (event, timeout=None, raises=None)
Wait for a message, similar to wait_event()
```

### Parameters

- **event** – `EDOTAGCMMsg` or job id
- **timeout** (`int`) – seconds to wait before timeout
- **raises** (`bool`) – On timeout when `False` returns `None`, else raise `gevent.Timeout`

**Returns** returns a message or `None`

**Return type** `None`, or *proto message*

**Raises** “`gevent.Timeout`”

**send\_job (\*args, \*\*kwargs)**

Send a message as a job

Exactly the same as `send()`

**Returns** jobid event identifier

**Return type** `str`

**send\_job\_and\_wait (emsg, data={}, proto=None, timeout=None, raises=False)**

Send a message as a job and wait for the response.

**Note:** Not all messages are jobs, you'll have to find out which are which

### Parameters

- **emsg** – Enum for the message

- **data** (`dict`) – data for the proto message
- **proto** – (optional) specify protobuf, otherwise it's detected based on `emsg`
- **timeout** (`int`) – (optional) seconds to wait
- **raises** (`bool`) – (optional) On timeout if this is `False` method will return `None`, else raises `gevent.Timeout`

**Returns** response proto message

**Raises** `gevent.Timeout``

**send** (`emsg, data={}, proto=None`)

Send a message

#### Parameters

- **emsg** – Enum for the message
- **data** (`dict`) – data for the proto message
- **proto** – (optional) manually specify protobuf, other it's detected based on `emsg`

**launch()**

Launch Dota 2 and establish connection with the game coordinator

`ready` event will fire when the session is ready. If the session is lost `not ready` event will fire. Alternatively, `connection_status` event can be monitored for changes.

**exit()**

Close connection to Dota 2's game coordinator

**sleep(seconds)**

Yield and sleep N seconds. Allows other greenlets to run

**idle()**

Yield in the current greenlet and let other greenlets run

### 2.1.3 enums

```
class dota2.common_enums.ESOType

    CSOEconItem = 1
    CSOItemRecipe = 5
    CSOEconGameAccountClient = 7
    CSOSelectedItemPreset = 35
    CSOEconItemPresetInstance = 36
    CSOEconItemDropRateBonus = 38
    CSOEconItemLeagueViewPass = 39
    CSOEconItemEventTicket = 40
    CSOEconItemTournamentPassport = 42
    CSODOTAGameAccountClient = 2002
    CSODOTAParty = 2003
```

```
CSODOTALobby = 2004
CSODOTAPartyInvite = 2006
CSODOTAGameHeroFavorites = 2007
CSODOTAMapLocationState = 2008
CMsgDOTATournament = 2009
CSODOTAPlayerChallenge = 2010
CSODOTALobbyInvite = 2011
CSODOTAGameAccountPlus = 2012

class dota2.common_enums.EServerRegion

Unspecified = 0
USWest = 1
USEast = 2
Europe = 3
Korea = 4
Singapore = 5
Dubai = 6
PerfectWorldTelecom = 12
PerfectWorldTelecomGuangdong = 17
PerfectWorldTelecomZhejiang = 18
PerfectWorldTelecomWuhan = 20
PerfectWorldUnicom = 13
PerfectWorldUnicomTianjin = 25
Stockholm = 8
Brazil = 10
Austria = 9
Australia = 7
SouthAfrica = 11
Chile = 14
Peru = 15
India = 16
Japan = 19
Taiwan = 37

class dota2.protoEnums.DOTA_2013PassportSelectionIndices

PP13_SEL_ALLSTAR_PLAYER_0 = 0
PP13_SEL_ALLSTAR_PLAYER_1 = 1
```

```
PP13_SEL_ALLSTAR_PLAYER_2 = 2
PP13_SEL_ALLSTAR_PLAYER_3 = 3
PP13_SEL_ALLSTAR_PLAYER_4 = 4
PP13_SEL_ALLSTAR_PLAYER_5 = 5
PP13_SEL_ALLSTAR_PLAYER_6 = 6
PP13_SEL_ALLSTAR_PLAYER_7 = 7
PP13_SEL_ALLSTAR_PLAYER_8 = 8
PP13_SEL_ALLSTAR_PLAYER_9 = 9
PP13_SEL_QUALPRED_WEST_0 = 10
PP13_SEL_QUALPRED_WEST_1 = 11
PP13_SEL_QUALPRED_WEST_2 = 12
PP13_SEL_QUALPRED_WEST_3 = 13
PP13_SEL_QUALPRED_WEST_4 = 14
PP13_SEL_QUALPRED_WEST_5 = 15
PP13_SEL_QUALPRED_WEST_6 = 16
PP13_SEL_QUALPRED_WEST_7 = 17
PP13_SEL_QUALPRED_WEST_8 = 18
PP13_SEL_QUALPRED_WEST_9 = 19
PP13_SEL_QUALPRED_WEST_10 = 20
PP13_SEL_QUALPRED_WEST_11 = 21
PP13_SEL_QUALPRED_WEST_12 = 22
PP13_SEL_QUALPRED_WEST_13 = 23
PP13_SEL_QUALPRED_WEST_14 = 24
PP13_SEL_QUALPRED_EAST_0 = 25
PP13_SEL_QUALPRED_EAST_1 = 26
PP13_SEL_QUALPRED_EAST_2 = 27
PP13_SEL_QUALPRED_EAST_3 = 28
PP13_SEL_QUALPRED_EAST_4 = 29
PP13_SEL_QUALPRED_EAST_5 = 30
PP13_SEL_QUALPRED_EAST_6 = 31
PP13_SEL_QUALPRED_EAST_7 = 32
PP13_SEL_QUALPRED_EAST_8 = 33
PP13_SEL_QUALPRED_EAST_9 = 34
PP13_SEL_QUALPRED_EAST_10 = 35
PP13_SEL_QUALPRED_EAST_11 = 36
PP13_SEL_QUALPRED_EAST_12 = 37
```

```
PP13_SEL_QUALPRED_EAST_13 = 38
PP13_SEL_QUALPRED_EAST_14 = 39
PP13_SEL_TEAMCUP_TEAM = 40
PP13_SEL_TEAMCUP_PLAYER = 41
PP13_SEL_TEAMCUP_TEAM_LOCK = 42
PP13_SEL_TEAMCUP_PLAYER_LOCK = 43
PP13_SEL_EVENTPRED_0 = 44
PP13_SEL_EVENTPRED_1 = 45
PP13_SEL_EVENTPRED_2 = 46
PP13_SEL_EVENTPRED_3 = 47
PP13_SEL_EVENTPRED_4 = 48
PP13_SEL_EVENTPRED_5 = 49
PP13_SEL_EVENTPRED_6 = 50
PP13_SEL_EVENTPRED_7 = 51
PP13_SEL_EVENTPRED_8 = 52
PP13_SEL_EVENTPRED_9 = 53
PP13_SEL_EVENTPRED_10 = 54
PP13_SEL_EVENTPRED_11 = 55
PP13_SEL_EVENTPRED_12 = 56
PP13_SEL_EVENTPRED_13 = 57
PP13_SEL_EVENTPRED_14 = 58
PP13_SEL_EVENTPRED_15 = 59
PP13_SEL_EVENTPRED_16 = 60
PP13_SEL_EVENTPRED_17 = 61
PP13_SEL_EVENTPRED_18 = 62
PP13_SEL_EVENTPRED_19 = 63
PP13_SEL_EVENTPRED_20 = 64
PP13_SEL_EVENTPRED_21 = 65
PP13_SEL_EVENTPRED_22 = 66
PP13_SEL_EVENTPRED_23 = 67
PP13_SEL_EVENTPRED_24 = 68
PP13_SEL_EVENTPRED_25 = 69
PP13_SEL_EVENTPRED_26 = 70
PP13_SEL_EVENTPRED_27 = 71
PP13_SEL_EVENTPRED_28 = 72
PP13_SEL_EVENTPRED_29 = 73
```

```
PP13_SEL_EVENTPRED_30 = 74
PP13_SEL_EVENTPRED_31 = 75
PP13_SEL_EVENTPRED_32 = 76
PP13_SEL_EVENTPRED_33 = 77
PP13_SEL_EVENTPRED_34 = 78
PP13_SEL_EVENTPRED_35 = 79
PP13_SEL_EVENTPRED_36 = 80
PP13_SEL_EVENTPRED_37 = 81
PP13_SEL_EVENTPRED_38 = 82
PP13_SEL_EVENTPRED_39 = 83
PP13_SEL_EVENTPRED_40 = 84
PP13_SEL_EVENTPRED_41 = 85
PP13_SEL_EVENTPRED_42 = 86
PP13_SEL_EVENTPRED_43 = 87
PP13_SEL_SOLO_0 = 88
PP13_SEL_SOLO_1 = 89
PP13_SEL_SOLO_2 = 90
PP13_SEL_SOLO_3 = 91
PP13_SEL_SOLO_4 = 92
PP13_SEL_SOLO_5 = 93
PP13_SEL_SOLO_6 = 94
PP13_SEL_SOLO_7 = 95

class dota2.proto_enums.DOTA_BOT_MODE
```

```
NONE = 0
LANING = 1
ATTACK = 2
ROAM = 3
RETREAT = 4
SECRET_SHOP = 5
SIDE_SHOP = 6
RUNE = 7
PUSH_TOWER_TOP = 8
PUSH_TOWER_MID = 9
PUSH_TOWER_BOT = 10
DEFEND_TOWER_TOP = 11
```

```
DEFEND_TOWER_MID = 12
DEFEND_TOWER_BOT = 13
ASSEMBLE = 14
ASSEMBLE_WITH_HUMANS = 15
TEAM_ROAM = 16
FARM = 17
DEFEND_ALLY = 18
EVASIVE_MANEUVERS = 19
ROSHAN = 20
ITEM = 21
WARD = 22
COMPANION = 23
TUTORIAL_BOSS = 24
MINION = 25
OUTPOST = 26

class dota2.proto_enums.DOTA_CM_PICK

DOTA_CM_RANDOM = 0
DOTA_CM_GOOD_GUYS = 1
DOTA_CM_BAD_GUYS = 2

class dota2.proto_enums.DOTA_COMBATLOG_TYPES

DOTA_COMBATLOG_INVALID = -1
DOTA_COMBATLOG_DAMAGE = 0
DOTA_COMBATLOG_HEAL = 1
DOTA_COMBATLOG_MODIFIER_ADD = 2
DOTA_COMBATLOG_MODIFIER_REMOVE = 3
DOTA_COMBATLOG_DEATH = 4
DOTA_COMBATLOG_ABILITY = 5
DOTA_COMBATLOG_ITEM = 6
DOTA_COMBATLOG_LOCATION = 7
DOTA_COMBATLOG_GOLD = 8
DOTA_COMBATLOG_GAME_STATE = 9
DOTA_COMBATLOG_XP = 10
DOTA_COMBATLOG_PURCHASE = 11
DOTA_COMBATLOG_BUYBACK = 12
DOTA_COMBATLOG_ABILITY_TRIGGER = 13
```

```
DOTA_COMBATLOG_PLAYERSTATS = 14
DOTA_COMBATLOG_MULTIKILL = 15
DOTA_COMBATLOG_KILLSTREAK = 16
DOTA_COMBATLOG_TEAM_BUILDING_KILL = 17
DOTA_COMBATLOG_FIRST_BLOOD = 18
DOTA_COMBATLOG_MODIFIER_STACK_EVENT = 19
DOTA_COMBATLOG_NEUTRAL_CAMP_STACK = 20
DOTA_COMBATLOG_PICKUP_RUNE = 21
DOTA_COMBATLOG_REVEALED_INVISIBLE = 22
DOTA_COMBATLOG_HERO_SAVED = 23
DOTA_COMBATLOG_MANA_RESTORED = 24
DOTA_COMBATLOG_HERO_LEVELUP = 25
DOTA_COMBATLOG_BOTTLE_HEAL_ALLY = 26
DOTA_COMBATLOG_ENGAME_STATS = 27
DOTA_COMBATLOG_INTERRUPT_CHANNEL = 28
DOTA_COMBATLOG_ALLIED_GOLD = 29
DOTA_COMBATLOG_AEGIS_TAKEN = 30
DOTA_COMBATLOG_MANA_DAMAGE = 31
DOTA_COMBATLOG_PHYSICAL_DAMAGE_PREVENTED = 32
DOTA_COMBATLOG_UNIT_SUMMONED = 33
DOTA_COMBATLOG_ATTACK_EVADE = 34
DOTA_COMBATLOG_TREE_CUT = 35
DOTA_COMBATLOG_SUCCESSFUL_SCAN = 36
DOTA_COMBATLOG_END_KILLSTREAK = 37
DOTA_COMBATLOG_BLOODSTONE_CHARGE = 38
DOTA_COMBATLOG_CRITICAL_DAMAGE = 39
DOTA_COMBATLOG_SPELL_ABSORB = 40
DOTA_COMBATLOG_UNIT_TELEPORTED = 41
DOTA_COMBATLOG_KILL_EATER_EVENT = 42

class dota2.proto_enums.DOTA_GameMode

    DOTA_GAMEMODE_NONE = 0
    DOTA_GAMEMODE_AP = 1
    DOTA_GAMEMODE_CM = 2
    DOTA_GAMEMODE_RD = 3
    DOTA_GAMEMODE_SD = 4
```

```
DOTA_GAMEMODE_AR = 5
DOTA_GAMEMODE_INTRO = 6
DOTA_GAMEMODE_HW = 7
DOTA_GAMEMODE_REVERSE_CM = 8
DOTA_GAMEMODE_XMAS = 9
DOTA_GAMEMODE_TUTORIAL = 10
DOTA_GAMEMODE_MO = 11
DOTA_GAMEMODE_LP = 12
DOTA_GAMEMODE_POOL1 = 13
DOTA_GAMEMODE_FH = 14
DOTA_GAMEMODE_CUSTOM = 15
DOTA_GAMEMODE_CD = 16
DOTA_GAMEMODE_BD = 17
DOTA_GAMEMODE_ABILITY_DRAFT = 18
DOTA_GAMEMODE_EVENT = 19
DOTA_GAMEMODE_ARDM = 20
DOTA_GAMEMODE_1V1MID = 21
DOTA_GAMEMODE_ALL_DRAFT = 22
DOTA_GAMEMODE_TURBO = 23
DOTA_GAMEMODE_MUTATION = 24
DOTA_GAMEMODE_COACHES_CHALLENGE = 25

class dota2.proto_enums.DOTA_GameState

DOTA_GAMERULES_STATE_INIT = 0
DOTA_GAMERULES_STATE_WAIT_FOR_PLAYERS_TO_LOAD = 1
DOTA_GAMERULES_STATE_HERO_SELECTION = 2
DOTA_GAMERULES_STATE_STRATEGY_TIME = 3
DOTA_GAMERULES_STATE_PRE_GAME = 4
DOTA_GAMERULES_STATE_GAME_IN_PROGRESS = 5
DOTA_GAMERULES_STATE_POST_GAME = 6
DOTA_GAMERULES_STATE_DISCONNECT = 7
DOTA_GAMERULES_STATE_TEAM_SHOWCASE = 8
DOTA_GAMERULES_STATE_CUSTOM_GAME_SETUP = 9
DOTA_GAMERULES_STATE_WAIT_FOR_MAP_TO_LOAD = 10
DOTA_GAMERULES_STATE_LAST = 11

class dota2.proto_enums.DOTA_GC_TEAM
```

```
GOOD_GUYS = 0
BAD_GUYS = 1
BROADCASTER = 2
SPECTATOR = 3
PLAYER_POOL = 4
NOTEAM = 5

class dota2.proto_enums.DOTA_TournamentEvents

TE_FIRST_BLOOD = 0
TE_GAME_END = 1
TE_MULTI_KILL = 2
TE_HERO_DENY = 3
TE_AEGIS_DENY = 4
TE_AEGIS_STOLEN = 5
TE_GODLIKE = 6
TE_COURIER_KILL = 7
TE_ECHOSLAM = 8
TE_RAPIER = 9
TE_EARLY_ROSHAN = 10
TE_BLACK_HOLE = 11

class dota2.proto_enums.DOTA_WatchReplayType

DOTA_WATCH_REPLAY_NORMAL = 0
DOTA_WATCH_REPLAY_HIGHLIGHTS = 1

class dota2.proto_enums.DOTABotDifficulty

BOT_DIFFICULTY_PASSIVE = 0
BOT_DIFFICULTY_EASY = 1
BOT_DIFFICULTY_MEDIUM = 2
BOT_DIFFICULTY_HARD = 3
BOT_DIFFICULTY_UNFAIR = 4
BOT_DIFFICULTY_INVALID = 5
BOT_DIFFICULTY_EXTRA1 = 6
BOT_DIFFICULTY_EXTRA2 = 7
BOT_DIFFICULTY_EXTRA3 = 8
BOT_DIFFICULTY_NPX = 9
```

```
class dota2.proto_enums.DOTAChatChannelType_t

    DOTAChatChannelType_Regional = 0
    DOTAChatChannelType_Custom = 1
    DOTAChatChannelType_Party = 2
    DOTAChatChannelType_Lobby = 3
    DOTAChatChannelType_Team = 4
    DOTAChatChannelType_Guild = 5
    DOTAChatChannelType_Fantasy = 6
    DOTAChatChannelType_Whisper = 7
    DOTAChatChannelType_Console = 8
    DOTAChatChannelType_Tab = 9
    DOTAChatChannelType_Invalid = 10
    DOTAChatChannelType_GameAll = 11
    DOTAChatChannelType_GameAllies = 12
    DOTAChatChannelType_GameSpectator = 13
    DOTAChatChannelType_GameCoaching = 14
    DOTAChatChannelType_Cafe = 15
    DOTAChatChannelType_CustomGame = 16
    DOTAChatChannelType_Private = 17
    DOTAChatChannelType_PostGame = 18
    DOTAChatChannelType_BattleCup = 19
    DOTAChatChannelType_HLTVSpectator = 20
    DOTAChatChannelType_GameEvents = 21
    DOTAChatChannelType_Trivia = 22
    DOTAChatChannelType_NewPlayer = 23
    DOTAChatChannelType_PrivateCoaching = 24

class dota2.proto_enums.DOTAConnectionState_t

    DOTA_CONNECTION_STATE_UNKNOWN = 0
    DOTA_CONNECTION_STATE_NOT_YET_CONNECTED = 1
    DOTA_CONNECTION_STATE_CONNECTED = 2
    DOTA_CONNECTION_STATE_DISCONNECTED = 3
    DOTA_CONNECTION_STATE_ABANDONED = 4
    DOTA_CONNECTION_STATE_LOADING = 5
    DOTA_CONNECTION_STATE_FAILED = 6
```

```
class dota2.proto_enums.DOTAGameVersion

    GAME_VERSION_CURRENT = 0
    GAME_VERSION_STABLE = 1

class dota2.proto_enums.DOTAJoinLobbyResult

    DOTA_JOIN_RESULT_SUCCESS = 0
    DOTA_JOIN_RESULT_ALREADY_IN_GAME = 1
    DOTA_JOIN_RESULT_INVALID_LOBBY = 2
    DOTA_JOIN_RESULT_INCORRECT_PASSWORD = 3
    DOTA_JOIN_RESULT_ACCESS_DENIED = 4
    DOTA_JOIN_RESULT_GENERIC_ERROR = 5
    DOTA_JOIN_RESULT_INCORRECT_VERSION = 6
    DOTA_JOIN_RESULT_IN_TEAM_PARTY = 7
    DOTA_JOIN_RESULT_NO_LOBBY_FOUND = 8
    DOTA_JOIN_RESULT_LOBBY_FULL = 9
    DOTA_JOIN_RESULT_CUSTOM_GAME_INCORRECT_VERSION = 10
    DOTA_JOIN_RESULT_TIMEOUT = 11
    DOTA_JOIN_RESULT_CUSTOM_GAME_COOLDOWN = 12
    DOTA_JOIN_RESULT_BUSY = 13
    DOTA_JOIN_RESULT_NO_PLAYTIME = 14

class dota2.proto_enums.DOTALeaverStatus_t

    DOTA_LEAVER_NONE = 0
    DOTA_LEAVER_DISCONNECTED = 1
    DOTA_LEAVER_DISCONNECTED_TOO_LONG = 2
    DOTA_LEAVER_ABANDONED = 3
    DOTA_LEAVER_AFK = 4
    DOTA_LEAVER_NEVER_CONNECTED = 5
    DOTA_LEAVER_NEVER_CONNECTED_TOO_LONG = 6
    DOTA_LEAVER_FAILED_TO_READY_UP = 7
    DOTA_LEAVER_DECLINED = 8

class dota2.proto_enums.DOTALobbyReadyState

    UNDECLARED = 0
    ACCEPTED = 1
    DECLINED = 2
```

```
class dota2.proto_enums.DOTALobbyVisibility

    Public = 0
    Friends = 1
    Unlisted = 2

class dota2.proto_enums.DOTALowPriorityBanType

    DOTA_LOW_PRIORITY_BAN_ABANDON = 0
    DOTA_LOW_PRIORITY_BAN_REPORTS = 1
    DOTA_LOW_PRIORITY_BAN_SECONDARY_ABANDON = 2
    DOTA_LOW_PRIORITY_BAN_PRE_GAME_ROLE = 3

class dota2.proto_enums.DOTAMatchVote

    INVALID = 0
    POSITIVE = 1
    NEGATIVE = 2

class dota2.proto_enums.DOTASElectionPriorityChoice

    Invalid = 0
    FirstPick = 1
    SecondPick = 2
    Radiant = 3
    Dire = 4

class dota2.proto_enums.DOTASElectionPriorityRules

    Manual = 0
    Automatic = 1

class dota2.proto_enums.EBadgeType

    TI7_Midweek = 1
    TI7_Finals = 2
    TI7_AllEvent = 3
    TI8_Midweek = 4
    TI8_Finals = 5
    TI8_AllEvent = 6

class dota2.proto_enums.EBroadcastTimelineEvent

    MatchStarted = 1
```

```
GameStateChanged = 2
TowerDeath = 3
BarracksDeath = 4
AncientDeath = 5
RoshanDeath = 6
HeroDeath = 7
TeamFight = 8
FirstBlood = 9

class dota2.proto_enums.EChatSpecialPrivileges

Moderator = 1
None = 0
SuperModerator = 2

class dota2.proto_enums.EDCustomGameInstallStatus

Unknown = 0
Ready = 1
Busy = 2
FailedGeneric = 101
FailedInternalError = 102
RequestedTimestampTooOld = 103
RequestedTimestampTooNew = 104
CRCMismatch = 105
FailedSteam = 106
FailedCanceled = 107

class dota2.proto_enums.EDCustomGameWhitelistState

CUSTOM_GAME_WHITELIST_STATE_UNKNOWN = 0
CUSTOM_GAME_WHITELIST_STATE_APPROVED = 1
CUSTOM_GAME_WHITELIST_STATE_REJECTED = 2

class dota2.proto_enums.EDACPlatform

eDACPlatform_None = 0
eDACPlatform_PC = 1
eDACPlatform_Mac = 2
eDACPlatform_Linux = 3
eDACPlatform_Android = 4
```

```
eDACPlatform_iOS = 5

class dota2.proto_enums.EDevEventRequestResult

    Success = 0
    NotAllowed = 1
    InvalidEvent = 2
    SqlFailure = 3
    Timeout = 4
    LockFailure = 5
    SDOLoadFailure = 6

class dota2.proto_enums.EDOTADraftTriviaAnswerResult

    Success = 0
    InvalidMatchID = 1
    AlreadyAnswered = 2
    InternalError = 3
    TriviaDisabled = 4
    GCDown = 5

class dota2.proto_enums.EDOTAGCMsg

    EMsgGCDOTABase = 7000
    EMsgGCGeneralResponse = 7001
    EMsgGCGameMatchSignOut = 7004
    EMsgGCGameMatchSignOutResponse = 7005
    EMsgGCJoinChatChannel = 7009
    EMsgGCJoinChatChannelResponse = 7010
    EMsgGCOtherJoinedChannel = 7013
    EMsgGCOtherLeftChannel = 7014
    EMsgGCMatchHistoryList = 7017
    EMsgServerToGCRequestStatus = 7026
    EMsgGCGetRecentMatches = 7027
    EMsgGCRecentMatchesResponse = 7028
    EMsgGCStartFindingMatch = 7033
    EMsgGCCConnectedPlayers = 7034
    EMsgGCAbandonCurrentGame = 7035
    EMsgGCStopFindingMatch = 7036
    EMsgGCPRACTICELOBBYCREATE = 7038
```

```
EMsgGCPracticeLobbyLeave = 7040
EMsgGCPracticeLobbyLaunch = 7041
EMsgGCPracticeLobbyList = 7042
EMsgGCPracticeLobbyListResponse = 7043
EMsgGCPracticeLobbyJoin = 7044
EMsgGCPracticeLobbySetDetails = 7046
EMsgGCPracticeLobbySetTeamSlot = 7047
EMsgGCIInitialQuestionnaireResponse = 7049
EMsgGCPracticeLobbyResponse = 7055
EMsgGCBroadcastNotification = 7056
EMsgGCLiveScoreboardUpdate = 7057
EMsgGCRequestChatChannelList = 7060
EMsgGCRequestChatChannelListResponse = 7061
EMsgGCRequestMatches = 7064
EMsgGCRequestMatchesResponse = 7065
EMsgGCReadyUp = 7070
EMsgGCKickedFromMatchmakingQueue = 7071
EMsgGCLeaverDetected = 7072
EMsgGCSpectateFriendGame = 7073
EMsgGCSpectateFriendGameResponse = 7074
EMsgGCPlayerReports = 7075
EMsgGCReportsRemainingRequest = 7076
EMsgGCReportsRemainingResponse = 7077
EMsgGCSubmitPlayerReport = 7078
EMsgGCSubmitPlayerReportResponse = 7079
EMsgGCPracticeLobbyKick = 7081
EMsgGCReportCountsRequest = 7082
EMsgGCReportCountsResponse = 7083
EMsgGCRequestSaveGames = 7084
EMsgGCRequestSaveGamesServer = 7085
EMsgGCRequestSaveGamesResponse = 7086
EMsgGCLeaverDetectedResponse = 7087
EMsgGCPlayerFailedToConnect = 7088
EMsgGCGCToRelayConnect = 7089
EMsgGCGCToRelayConnectResponse = 7090
EMsgGCWatchGame = 7091
```

```
EMsgGCWatchGameResponse = 7092
EMsgGCBanStatusRequest = 7093
EMsgGCBanStatusResponse = 7094
EMsgGCMatchDetailsRequest = 7095
EMsgGCMatchDetailsResponse = 7096
EMsgGCCancelWatchGame = 7097
EMsgGCPopup = 7102
EMsgGCDOTAClearNotifySuccessfulReport = 7104
EMsgGCFriendPracticeLobbyListRequest = 7111
EMsgGCFriendPracticeLobbyListResponse = 7112
EMsgGCFriendPracticeLobbyJoinResponse = 7113
EMsgClientEconNotification_Job = 7114
EMsgGCCreateTeam = 7115
EMsgGCCreateTeamResponse = 7116
EMsgGCTeamData = 7121
EMsgGCTeamInvite_InviterToGC = 7122
EMsgGCTeamInvite_GCIMmediateResponseToInviter = 7123
EMsgGCTeamInvite_GCRequestToInvitee = 7124
EMsgGCTeamInvite_InviteeResponseToGC = 7125
EMsgGCTeamInvite_GCResponseToInviter = 7126
EMsgGCTeamInvite_GCResponseToInvitee = 7127
EMsgGCKickTeamMember = 7128
EMsgGCKickTeamMemberResponse = 7129
EMsgGCLeaveTeam = 7130
EMsgGCLeaveTeamResponse = 7131
EMsgGCSuggestTeamMatchmaking = 7132
EMsgGCPlayerHeroesFavoritesAdd = 7133
EMsgGCPlayerHeroesFavoritesRemove = 7134
EMsgGCApplyTeamToPracticeLobby = 7142
EMsgGCTransferTeamAdmin = 7144
EMsgGCPRACTiceLobbyJoinBroadcastChannel = 7149
EMsgGC_TournamentItemEvent = 7150
EMsgGC_TournamentItemEventResponse = 7151
EMsgCastMatchVote = 7152
EMsgCastMatchVoteResponse = 7153
EMsgRetrieveMatchVote = 7154
```

```
EMsgRetrieveMatchVoteResponse = 7155
EMsgTeamFanfare = 7156
EMsgResponseTeamFanfare = 7157
EMsgGC_GameServerUploadSaveGame = 7158
EMsgGC_GameServerSaveGameResult = 7159
EMsgGC_GameServerGetLoadGame = 7160
EMsgGC_GameServerGetLoadGameResult = 7161
EMsgGCEditTeamDetails = 7166
EMsgGCEditTeamDetailsResponse = 7167
EMsgGCPromoTeamListRequest = 7168
EMsgGCPromoTeamListResponse = 7169
EMsgGCReadyUpStatus = 7170
EMsgGCHallOfFame = 7171
EMsgGCHallOfFameRequest = 7172
EMsgGCHallOfFameResponse = 7173
EMsgGCGenerateDiretidePrizeList = 7174
EMsgGCRewardDiretidePrizes = 7176
EMsgGCDiretidePrizesRewardedResponse = 7177
EMsgGCHalloweenHighScoreRequest = 7178
EMsgGCHalloweenHighScoreResponse = 7179
EMsgGCGenerateDiretidePrizeListResponse = 7180
EMsgGCStorePromoPagesRequest = 7182
EMsgGCStorePromoPagesResponse = 7183
EMsgGCToGCMatchCompleted = 7186
EMsgGCBalancedShuffleLobby = 7188
EMsgGCToGCCheckLeaguePermission = 7189
EMsgGCToGCCheckLeaguePermissionResponse = 7190
EMsgGCMatchmakingStatsRequest = 7197
EMsgGCMatchmakingStatsResponse = 7198
EMsgGCBotGameCreate = 7199
EMsgGCSetMatchHistoryAccess = 7200
EMsgGCSetMatchHistoryAccessResponse = 7201
EMsgUpgradeLeagueItem = 7203
EMsgUpgradeLeagueItemResponse = 7204
EMsgGCTeamMemberProfileRequest = 7205
EMsgGCWatchDownloadedReplay = 7206
```

```
EMsgGCSetMapLocationState = 7207
EMsgGCSetMapLocationStateResponse = 7208
EMsgGCResetMapLocations = 7209
EMsgGCResetMapLocationsResponse = 7210
EMsgRefreshPartnerAccountLink = 7216
EMsgClientsRejoinChatChannels = 7217
EMsgGCToGCGetUserChatInfo = 7218
EMsgGCToGCGetUserChatInfoResponse = 7219
EMsgGCToGCLeaveAllChatChannels = 7220
EMsgGCToGCUpdateAccountChatBan = 7221
EMsgGCToGCCanInviteUserToTeam = 7234
EMsgGCToGCCanInviteUserToTeamResponse = 7235
EMsgGCToGC GetUserRank = 7236
EMsgGCToGC GetUserRankResponse = 7237
EMsgGCToGCUpdateTeamStats = 7240
EMsgGCToGCValidateTeam = 7241
EMsgGCToGCValidateTeamResponse = 7242
EMsgGCPassportDataRequest = 7248
EMsgGCPassportDataResponse = 7249
EMsgGCToGCGetLeagueAdmin = 7255
EMsgGCToGCGetLeagueAdminResponse = 7256
EMsgGCRequestLeaguePrizePool = 7258
EMsgGCRequestLeaguePrizePoolResponse = 7259
EMsgGCLeaveChatChannel = 7272
EMsgGCChatMessage = 7273
EMsgGCGetHeroStandings = 7274
EMsgGCGetHeroStandingsResponse = 7275
EMsgGCIItemEditorReservationsRequest = 7283
EMsgGCIItemEditorReservationsResponse = 7284
EMsgGCIItemEditorReserveItemDef = 7285
EMsgGCIItemEditorReserveItemDefResponse = 7286
EMsgGCIItemEditorReleaseReservation = 7287
EMsgGCIItemEditorReleaseReservationResponse = 7288
EMsgGCRewardTutorialPrizes = 7289
EMsgGCLastHitChallengeHighScorePost = 7290
EMsgGCLastHitChallengeHighScoreRequest = 7291
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EMsgGCToClientLeaguePredictionsResponse = 8107
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EMsgClientToGCHasPlayerVotedForMVP = 8111
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EMsgGetRecentPlayTimeFriendsResponse = 8266
EMsgGCToClientCommendNotification = 8267
EMsgProfileRequest = 8268
EMsgProfileResponse = 8269
EMsgProfileUpdate = 8270
EMsgProfileUpdateResponse = 8271
EMsgSuccessfulHero = 8273
EMsgHeroGlobalDataRequest = 8274
EMsgHeroGlobalDataResponse = 8275
EMsgClientToGCRequestPlusWeeklyChallengeResult = 8276
EMsgClientToGCRequestPlusWeeklyChallengeResultResponse = 8277
EMsgGCToGCGrantPlusPrepaidTime = 8278
EMsgPrivateMetadataKeyRequest = 8279
EMsgPrivateMetadataKeyResponse = 8280
EMsgGCToGCReconcilePlusStatus = 8281
EMsgGCToGCCheckPlusStatus = 8282
EMsgGCToGCCheckPlusStatusResponse = 8283
EMsgGCToGCReconcilePlusAutoGrantItems = 8284
EMsgGCToGCReconcilePlusStatusUnreliable = 8285
EMsgActivatePlusFreeTrialRequest = 8286
EMsgActivatePlusFreeTrialResponse = 8287
EMsgGCToClientCavernCrawlMapPathCompleted = 8288
EMsgClientToGCCavernCrawlClaimRoom = 8289
EMsgClientToGCCavernCrawlClaimRoomResponse = 8290
EMsgClientToGCCavernCrawlUseItemOnRoom = 8291
EMsgClientToGCCavernCrawlUseItemOnRoomResponse = 8292
EMsgClientToGCCavernCrawlUseItemOnPath = 8293
EMsgClientToGCCavernCrawlUseItemOnPathResponse = 8294
EMsgClientToGCCavernCrawlRequestMapState = 8295
EMsgClientToGCCavernCrawlRequestMapStateResponse = 8296
EMsgSignOutTips = 8297
```

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EMsgClientToGCRequestEventPointLogV2 = 8298
EMsgClientToGCRequestEventPointLogResponseV2 = 8299
EMsgClientToGCRequestEventTipsSummary = 8300
EMsgClientToGCRequestEventTipsSummaryResponse = 8301
EMsgHeroGlobalDataAllHeroes = 8302
EMsgClientToGCRequestSocialFeed = 8303
EMsgClientToGCRequestSocialFeedResponse = 8304
EMsgClientToGCRequestSocialFeedComments = 8305
EMsgClientToGCRequestSocialFeedCommentsResponse = 8306
EMsgClientToGCCavernCrawlGetClaimedRoomCount = 8308
EMsgClientToGCCavernCrawlGetClaimedRoomCountResponse = 8309
EMsgGCToGCReconcilePlusAutoGrantItemsUnreliable = 8310
EMsgServerToGCAddBroadcastTimelineEvent = 8311
EMsgGCToServerUpdateSteamBroadcasting = 8312
EMsgClientToGCRecordContestVote = 8313
EMsgGCToClientRecordContestVoteResponse = 8314
EMsgGCToGCGrantAutograph = 8315
EMsgGCToGCGrantAutographResponse = 8316
EMsgSignOutConsumableUsage = 8317
EMsgLobbyEventGameDetails = 8318
EMsgDevGrantEventPoints = 8319
EMsgDevGrantEventPointsResponse = 8320
EMsgDevGrantEventAction = 8321
EMsgDevGrantEventActionResponse = 8322
EMsgDevResetEventState = 8323
EMsgDevResetEventStateResponse = 8324
EMsgGCToGCReconcileEventOwnership = 8325
EMsgConsumeEventSupportGrantItem = 8326
EMsgConsumeEventSupportGrantItemResponse = 8327
EMsgGCToClientClaimEventActionUsingItemCompleted = 8328
EMsgGCToClientCavernCrawlMapUpdated = 8329
EMsgServerToGCRequestPlayerRecentAccomplishments = 8330
EMsgServerToGCRequestPlayerRecentAccomplishmentsResponse = 8331
EMsgClientToGCRequestPlayerRecentAccomplishments = 8332
EMsgClientToGCRequestPlayerRecentAccomplishmentsResponse = 8333
EMsgClientToGCRequestPlayerHeroRecentAccomplishments = 8334
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EMsgClientToGCRequestPlayerHeroRecentAccomplishmentsResponse = 8335
EMsgSignOutEventActionGrants = 8336
EMsgClientToGCRequestPlayerCoachMatches = 8337
EMsgClientToGCRequestPlayerCoachMatchesResponse = 8338
EMsgClientToGCGetTicketCodesRequest = 8339
EMsgClientToGCGetTicketCodesResponse = 8340
EMsgClientToGCSumitCoachTeammateRating = 8341
EMsgClientToGCSumitCoachTeammateRatingResponse = 8342
EMsgGCToClientCoachTeammateRatingsChanged = 8343
EMsgClientToGCVoteForLeagueGameMVP = 8344
EMsgClientToGCRequestPlayerCoachMatch = 8345
EMsgClientToGCRequestPlayerCoachMatchResponse = 8346
EMsgClientToGCRequestContestVotes = 8347
EMsgClientToGCRequestContestVotesResponse = 8348
EMsgClientToGCMVPVoteTimeout = 8349
EMsgClientToGCMVPVoteTimeoutResponse = 8350
EMsgClientToGCGetUnderlordsCDKeyRequest = 8351
EMsgClientToGCGetUnderlordsCDKeyResponse = 8352
EMsgDetailedGameStats = 8353
EMsgClientToGCSetFavoriteAllStarPlayer = 8354
EMsgClientToGCSetFavoriteAllStarPlayerResponse = 8355
EMsgAllStarStats = 8356
EMsgClientToGCGetFavoriteAllStarPlayerRequest = 8357
EMsgClientToGCGetFavoriteAllStarPlayerResponse = 8358
EMsgClientToGCVerifyIntegrity = 8359
EMsgMatchmakingStats = 8360
EMsgClientToGCSumitPlayerMatchSurvey = 8361
EMsgClientToGCSumitPlayerMatchSurveyResponse = 8362
EMsgSQLGCToGCGrantAllHeroProgressAccount = 8363
EMsgSQLGCToGCGrantAllHeroProgressVictory = 8364
EMsgDevDeleteEventActions = 8365
EMsgDevDeleteEventActionsResponse = 8366
eMsgGCToGCGetAllHeroCurrent = 8635
eMsgGCToGCGetAllHeroCurrentResponse = 8636
EMsgGCSumitPlayerAvoidRequest = 8637
EMsgGCSumitPlayerAvoidRequestResponse = 8638
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EMsgGCToClientNotificationsUpdated = 8639
EMsgGCtoGCAssociatedExploiterAccountInfo = 8640
EMsgGCtoGCAssociatedExploiterAccountInfoResponse = 8641
EMsgGCtoGCRequestRecalibrationCheck = 8642
EMsgGCToClientVACReminder = 8643
EMsgClientToGCUnderDraftBuy = 8644
EMsgClientToGCUnderDraftBuyResponse = 8645
EMsgClientToGCUnderDraftReroll = 8646
EMsgClientToGCUnderDraftRerollResponse = 8647
EMsgNeutralItemStats = 8648
EMsgClientToGCCreateGuild = 8649
EMsgClientToGCCreateGuildResponse = 8650
EMsgClientToGCSetGuildInfo = 8651
EMsgClientToGCSetGuildInfoResponse = 8652
EMsgClientToGCAAddGuildRole = 8653
EMsgClientToGCAAddGuildRoleResponse = 8654
EMsgClientToGCMODifyGuildRole = 8655
EMsgClientToGCMODifyGuildRoleResponse = 8656
EMsgClientToGCRemoveGuildRole = 8657
EMsgClientToGCRemoveGuildRoleResponse = 8658
EMsgClientToGCJoinGuild = 8659
EMsgClientToGCJoinGuildResponse = 8660
EMsgClientToGCLeaveGuild = 8661
EMsgClientToGCLeaveGuildResponse = 8662
EMsgClientToGCIInviteToGuild = 8663
EMsgClientToGCIInviteToGuildResponse = 8664
EMsgClientToGCDclineInviteToGuild = 8665
EMsgClientToGCDclineInviteToGuildResponse = 8666
EMsgClientToGCCancelInviteToGuild = 8667
EMsgClientToGCCancelInviteToGuildResponse = 8668
EMsgClientToGCKickGuildMember = 8669
EMsgClientToGCKickGuildMemberResponse = 8670
EMsgClientToGCSetGuildMemberRole = 8671
EMsgClientToGCSetGuildMemberRoleResponse = 8672
EMsgClientToGCRequestGuildData = 8673
EMsgClientToGCRequestGuildDataResponse = 8674
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EMsgGCToClientGuildDataUpdated = 8675
EMsgClientToGCRequestGuildMembership = 8676
EMsgClientToGCRequestGuildMembershipResponse = 8677
EMsgGCToClientGuildMembershipUpdated = 8678
EMsgClientToGCRequestGuildSummary = 8679
EMsgClientToGCRequestGuildSummaryResponse = 8680
EMsgClientToGCAcceptInviteToGuild = 8681
EMsgClientToGCAcceptInviteToGuildResponse = 8682
EMsgClientToGCSetGuildRoleOrder = 8683
EMsgClientToGCSetGuildRoleOrderResponse = 8684
EMsgClientToGCRequestGuildFeed = 8685
EMsgClientToGCRequestGuildFeedResponse = 8686
EMsgClientToGCRequestAccountGuildEventData = 8687
EMsgClientToGCRequestAccountGuildEventDataResponse = 8688
EMsgGCToClientAccountGuildEventDataUpdated = 8689
EMsgClientToGCRequestActiveGuildContracts = 8690
EMsgClientToGCRequestActiveGuildContractsResponse = 8691
EMsgGCToClientActiveGuildContractsUpdated = 8692
EMsgGCToClientGuildFeedUpdated = 8693
EMsgClientToGCSelectGuildContract = 8694
EMsgClientToGCSelectGuildContractResponse = 8695
EMsgGCToGCCCompleteGuildContracts = 8696
EMsgClientToGCAddPlayerToGuildChat = 8698
EMsgClientToGCAddPlayerToGuildChatResponse = 8699
EMsgClientToGCUnderDraftSell = 8700
EMsgClientToGCUnderDraftSellResponse = 8701
EMsgClientToGCUnderDraftRequest = 8702
EMsgClientToGCUnderDraftResponse = 8703
EMsgClientToGCUnderDraftRedeemReward = 8704
EMsgClientToGCUnderDraftRedeemRewardResponse = 8705
EMsgClientToGCUnderDraftRedeemSpecialReward = 8706
EMsgClientToGCUnderDraftRedeemSpecialRewardResponse = 8707
EMsgGCToServerLobbyHeroBanRates = 8708
EMsgSetTeamFanContentStatus = 8709
EMsgSetTeamFanContentStatusResponse = 8710
EMsgSignOutGuildContractProgress = 8711
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EMsgSignOutMVPStats = 8712
EMsgClientToGCRequestActiveGuildChallenge = 8713
EMsgClientToGCRequestActiveGuildChallengeResponse = 8714
EMsgGCToClientActiveGuildChallengeUpdated = 8715
EMsgSignOutGuildChallengeProgress = 8720
EMsgClientToGCRequestGuildEventMembers = 8721
EMsgClientToGCRequestGuildEventMembersResponse = 8722
EMsgClientToGCReportGuildContent = 8725
EMsgClientToGCReportGuildContentResponse = 8726
EMsgClientToGCRequestAccountGuildPersonaInfo = 8727
EMsgClientToGCRequestAccountGuildPersonaInfoResponse = 8728
EMsgClientToGCRequestAccountGuildPersonaInfoBatch = 8729
EMsgClientToGCRequestAccountGuildPersonaInfoBatchResponse = 8730
EMsgGCToClientUnderDraftGoldUpdated = 8731
EMsgGCToServerRecordTrainingData = 8732
EMsgSignOutBounties = 8733
EMsgLobbyGauntletProgress = 8735
EMsgClientToGCSubmitDraftTriviaMatchAnswer = 8736
EMsgClientToGCSubmitDraftTriviaMatchAnswerResponse = 8737
EMsgGCToGCSignoutSpendBounty = 8738
EMsgClientToGCApplyGauntletTicket = 8739
EMsgClientToGCUnderDraftRollBackBench = 8740
EMsgClientToGCUnderDraftRollBackBenchResponse = 8741
EMsgGCToGCGetEventActionScore = 8742
EMsgGCToGCGetEventActionScoreResponse = 8743
EMsgServerToGCGetGuildContracts = 8744
EMsgServerToGCGetGuildContractsResponse = 8745
EMsgLobbyEventData = 8746
EMsgGCToClientGuildMembersDataUpdated = 8747
EMsgSignOutReportActivityMarkers = 8748
EMsgSignOutDiretideCandy = 8749
EMsgGCToClientPostGameItemAwardNotification = 8750
EMsgClientToGCGetOWMatchDetails = 8751
EMsgClientToGCGetOWMatchDetailsResponse = 8752
EMsgClientToGCSubmitOWConviction = 8753
EMsgClientToGCSubmitOWConvictionResponse = 8754
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EMsgGCToGCGetAccountSteamChina = 8755
EMsgGCToGCGetAccountSteamChinaResponse = 8756
EMsgClientToGCClaimLeaderboardRewards = 8757
EMsgClientToGCClaimLeaderboardRewardsResponse = 8758
EMsgClientToGCRecalibrateMMR = 8759
EMsgClientToGCRecalibrateMMRResponse = 8760
EMsgGCToGCGrantEventPointActionList = 8761
EMsgClientToGCChinaSSAURLRequest = 8764
EMsgClientToGCChinaSSAURLResponse = 8765
EMsgClientToGCChinaSSAAcceptedRequest = 8766
EMsgClientToGCChinaSSAAcceptedResponse = 8767
EMsgSignOutOverwatchSuspicion = 8768
EMsgServerToGCGetSuspicionConfig = 8769
EMsgServerToGCGetSuspicionConfigResponse = 8770
EMsgGCToGCGrantPlusHeroChallengeMatchResults = 8771
EMsgGCToClientOverwatchCasesAvailable = 8772
EMsgServerToGCAccountCheck = 8773
EMsgClientToGCStartWatchingOverwatch = 8774
EMsgClientToGCStopWatchingOverwatch = 8775
EMsgSignOutPerfData = 8776
EMsgClientToGCGetDPCFavorites = 8777
EMsgClientToGCGetDPCFavoritesResponse = 8778
EMsgClientToGCSetDPCFavoriteState = 8779
EMsgClientToGCSetDPCFavoriteStateResponse = 8780
EMsgClientToGCOverwatchReplayError = 8781
EMsgServerToGCPlayerChallengeHistory = 8782
EMsgSignOutBanData = 8783
EMsgWebapiDPCSeasonResults = 8784
EMsgClientToGCCoachFriend = 8785
EMsgClientToGCCoachFriendResponse = 8786
EMsgClientToGCRequestPrivateCoachingSession = 8787
EMsgClientToGCRequestPrivateCoachingSessionResponse = 8788
EMsgClientToGCAcceptPrivateCoachingSession = 8789
EMsgClientToGCAcceptPrivateCoachingSessionResponse = 8790
EMsgClientToGCLeavePrivateCoachingSession = 8791
EMsgClientToGCLeavePrivateCoachingSessionResponse = 8792
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EMsgClientToGCGetCurrentPrivateCoachingSession = 8793
EMsgClientToGCGetCurrentPrivateCoachingSessionResponse = 8794
EMsgGCToClientPrivateCoachingSessionUpdated = 8795
EMsgClientToGCSubmitPrivateCoachingSessionRating = 8796
EMsgClientToGCSubmitPrivateCoachingSessionRatingResponse = 8797
EMsgClientToGCGetAvailablePrivateCoachingSessions = 8798
EMsgClientToGCGetAvailablePrivateCoachingSessionsResponse = 8799
EMsgClientToGCGetAvailablePrivateCoachingSessionsSummary = 8800
EMsgClientToGCGetAvailablePrivateCoachingSessionsSummaryResponse = 8801
EMsgClientToGCJoinPrivateCoachingSessionLobby = 8802
EMsgClientToGCJoinPrivateCoachingSessionLobbyResponse = 8803
EMsgClientToGCRespondToCoachFriendRequest = 8804
EMsgClientToGCRespondToCoachFriendRequestResponse = 8805

class dota2.proto_enums.EDOTAGCSessionNeed

    Unknown = 0
    UserNoSessionNeeded = 100
    UserInOnlineGame = 101
    UserInLocalGame = 102
    UserInUIWasConnected = 103
    UserInUINeverConnected = 104
    UserTutorials = 105
    UserInUIWasConnectedIdle = 106
    UserInUINeverConnectedIdle = 107
    GameServerOnline = 200
    GameServerLocal = 201
    GameServerIdle = 202
    GameServerRelay = 203
    GameServerLocalUpload = 204

class dota2.proto_enums.EDOTAGroupMergeResult

    OK = 0
    FAILED_GENERIC = 1
    NOT_LEADER = 2
    TOO_MANY_PLAYERS = 3
    TOO_MANY_COACHES = 4
    ENGINE_MISMATCH = 5
```

```
NO SUCH GROUP = 6
OTHER GROUP NOT OPEN = 7
ALREADY INVITED = 8
NOT INVITED = 9

class dota2.proto_enums.EDOTAMMRBoostType

Follower = 2
Leader = 1
None = 0

class dota2.proto_enums.EDOTAPlayerMMRType

1v1Competitive_UNUSED = 5
GeneralCompetitive = 3
GeneralHidden = 1
Invalid = 0
SoloCompetitive2019 = 4

class dota2.proto_enums.EDOTATriviaAnswerResult

Success = 0
InvalidQuestion = 1
InvalidAnswer = 2
QuestionLocked = 3
AlreadyAnswered = 4
TriviaDisabled = 5

class dota2.proto_enums.EDOTATriviaQuestionCategory

AbilityIcon = 0
AbilityCooldown = 1
HeroAttributes = 2
HeroMovementSpeed = 3
TalentTree = 4
HeroStats = 5
ItemPrice = 6
AbilitySound = 7
InvokerSpells = 8
AbilityManaCost = 9
HeroAttackSound = 10
```

```
AbilityName = 11
ItemComponents = 12
ItemLore = 13
ItemPassives = 14

class dota2.proto_enums.EDPCFavoriteType

FAVORITE_TYPE_ALL = 0
FAVORITE_TYPE_PLAYER = 1
FAVORITE_TYPE_TEAM = 2
FAVORITE_TYPE_LEAGUE = 3

class dota2.proto_enums.EDPCPushNotification

DPC_PUSH_NOTIFICATION_MATCH_STARTING = 1
DPC_PUSH_NOTIFICATION_PLAYER_LEFT_TEAM = 10
DPC_PUSH_NOTIFICATION_PLAYER_JOINED_TEAM = 11
DPC_PUSH_NOTIFICATION_PLAYER_JOINED_TEAM_AS_COACH = 12
DPC_PUSH_NOTIFICATION_PLAYER_LEFT_TEAM_AS_COACH = 13
DPC_PUSH_NOTIFICATION_LEAGUE_RESULT = 20
DPC_PUSH_NOTIFICATION_PREDICTION_MATCHES_AVAILABLE = 30
DPC_PUSH_NOTIFICATION_PREDICTION_RESULT = 31
DPC_PUSH_NOTIFICATION_FANTASY_PLAYER_CLEARED = 40
DPC_PUSH_NOTIFICATION_FANTASY_DAILY_SUMMARY = 41
DPC_PUSH_NOTIFICATION_FANTASY_FINAL_RESULTS = 42

class dota2.proto_enums.EEvent

EVENT_ID_NONE = 0
EVENT_ID_DIRETIDE = 1
EVENT_ID_SPRING_FESTIVAL = 2
EVENT_ID_FROSTIVUS_2013 = 3
EVENT_ID_COMPENDIUM_2014 = 4
EVENT_ID_NEXON_PC_BANG = 5
EVENT_ID_PWRD_DAC_2015 = 6
EVENT_ID_NEW_BLOOM_2015 = 7
EVENT_ID_INTERNATIONAL_2015 = 8
EVENT_ID_FALL_MAJOR_2015 = 9
EVENT_ID_ORACLE_PA = 10
EVENT_ID_NEW_BLOOM_2015_PREBEAST = 11
```

```
EVENT_ID_FROSTIVUS = 12
EVENT_ID_WINTER_MAJOR_2016 = 13
EVENT_ID_INTERNATIONAL_2016 = 14
EVENT_ID_FALL_MAJOR_2016 = 15
EVENT_ID_WINTER_MAJOR_2017 = 16
EVENT_ID_NEW_BLOOM_2017 = 17
EVENT_ID_INTERNATIONAL_2017 = 18
EVENT_ID_PLUS_SUBSCRIPTION = 19
EVENT_ID_SINGLES_DAY_2017 = 20
EVENT_ID_FROSTIVUS_2017 = 21
EVENT_ID_INTERNATIONAL_2018 = 22
EVENT_ID_FROSTIVUS_2018 = 23
EVENT_ID_NEW_BLOOM_2019 = 24
EVENT_ID_INTERNATIONAL_2019 = 25
EVENT_ID_NEW_PLAYER_EXPERIENCE = 26
EVENT_ID_FROSTIVUS_2019 = 27
EVENT_ID_NEW_BLOOM_2020 = 28
EVENT_ID_INTERNATIONAL_2020 = 29
EVENT_ID_TEAM_FANDOM = 30
EVENT_ID_DIRETIDE_2020 = 31
EVENT_ID_SPRING_2021 = 32
EVENT_ID_COUNT = 33

class dota2.proto_enums.EEventActionScoreMode

    eEventActionScoreMode_Add = 0
    eEventActionScoreMode_Min = 1

class dota2.proto_enums.EFeaturedHeroDataType

    HeroID = 0
    ItemDef = 1
    HypeString = 2
    StartTimestamp = 3
    ExpireTimestamp = 4
    HeroWins = 5
    HeroLosses = 6
    SaleDiscount = 7
    ContainerItemDef = 8
```

```
class dota2.proto_enums.EFeaturedHeroTextField

    NewHero = 0
    NewItem = 1
    ItemSetDescription = 2
    ItemDescription = 3
    Hype = 4
    HeroWinLoss = 5
    FrequentlyPlayedHero = 6
    FeaturedItem = 7
    PopularItem = 8
    SaleItem = 9
    SaleDiscount = 10
    Container = 11

class dota2.proto_enums.EGCBaseClientMsg

    EMsgGCPingRequest = 3001
    EMsgGCPingResponse = 3002
    EMsgGCToClientPollConvarRequest = 3003
    EMsgGCToClientPollConvarResponse = 3004
    EMsgGCCompressedMsgToClient = 3005
    EMsgGCCompressedMsgToClient_Legacy = 523
    EMsgGCToClientRequestDropped = 3006
    EMsgGCClientWelcome = 4004
    EMsgGCServerWelcome = 4005
    EMsgGCClientHello = 4006
    EMsgGCServerHello = 4007
    EMsgGCClientConnectionStatus = 4009
    EMsgGCServerConnectionStatus = 4010

class dota2.proto_enums.EGCBaseMsg

    EMsgGCSystemMessage = 4001
    EMsgGCReplicateConVars = 4002
    EMsgGCConVarUpdated = 4003
    EMsgGCIInviteToParty = 4501
    EMsgGCIInvitationCreated = 4502
    EMsgGCPartyInviteResponse = 4503
```

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EMsgGCKickFromParty = 4504
EMsgGCLeaveParty = 4505
EMsgGCServerAvailable = 4506
EMsgGCCClientConnectToServer = 4507
EMsgGCGameServerInfo = 4508
EMsgGCError = 4509
EMsgGCLANServerAvailable = 4511
EMsgGCIInviteToLobby = 4512
EMsgGCLobbyInviteResponse = 4513
EMsgGCToClientPollFileRequest = 4514
EMsgGCToClientPollFileResponse = 4515
EMsgGCToGCPerformManualOp = 4516
EMsgGCToGCPerformManualOpCompleted = 4517
EMsgGCToGCReloadServerRegionSettings = 4518
EMsgGCAdditionalWelcomeMsgList = 4519

class dota2.proto_enums.EGCBaseProtoObjectTypes

    EProtoObjectPartyInvite = 1001
    EProtoObjectLobbyInvite = 1002

class dota2.proto_enums.EGCEconBaseMsg

    EMsgGCGenericResult = 2579

class dota2.proto_enums.EGCIItemMsg

    EMsgGCBase = 1000
    EMsgGCSetItemPosition = 1001
    EMsgGCDelete = 1004
    EMsgGCVerifyCacheSubscription = 1005
    EMsgClientToGCNameItem = 1006
    EMsgGCPaintItem = 1009
    EMsgGCPaintItemResponse = 1010
    EMsgGCGoldenWrenchBroadcast = 1011
    EMsgGCMOTDRequest = 1012
    EMsgGCMOTDRequestResponse = 1013
    EMsgGCAddItemToSocket_DEPRECATED = 1014
    EMsgGCAddItemToSocketResponse_DEPRECATED = 1015
    EMsgGCAddSocketToBaseItem_DEPRECATED = 1016
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EMsgGCAddSocketToItem_DEPRECATED = 1017
EMsgGCAddSocketToItemResponse_DEPRECATED = 1018
EMsgGCNameBaseItem = 1019
EMsgGCNameBaseItemResponse = 1020
EMsgGCRmoveSocketItem_DEPRECATED = 1021
EMsgGCRmoveSocketItemResponse_DEPRECATED = 1022
EMsgGCCustomizeItemTexture = 1023
EMsgGCCustomizeItemTextureResponse = 1024
EMsgGCUseItemRequest = 1025
EMsgGCUseItemResponse = 1026
EMsgGCGiftedItems = 1027
EMsgGCRmoveItemName = 1030
EMsgGCRmoveItemPaint = 1031
EMsgGCUnwrapGiftRequest = 1037
EMsgGCUnwrapGiftResponse = 1038
EMsgGCSetItemStyle_DEPRECATED = 1039
EMsgGCUsedClaimCodeItem = 1040
EMsgGCSortItems = 1041
EMsgGC_RevolvingLootList_DEPRECATED = 1042
EMsgGCUpdateItemSchema = 1049
EMsgGCRmoveCustomTexture = 1051
EMsgGCRmoveCustomTextureResponse = 1052
EMsgGCRmoveMakersMark = 1053
EMsgGCRmoveMakersMarkResponse = 1054
EMsgGCRmoveUniqueCraftIndex = 1055
EMsgGCRmoveUniqueCraftIndexResponse = 1056
EMsgGCSaxxyBroadcast = 1057
EMsgGCBackpackSortFinished = 1058
EMsgGCAdjustItemEquippedState = 1059
EMsgGCCollectItem = 1061
EMsgGCItemAcknowledged = 1062
EMsgGCPresets_SelectPresetForClass = 1063
EMsgGCPresets_SetItemPosition = 1064
EMsgGCPresets_SelectPresetForClassReply = 1067
EMsgClientToGCNameItemResponse = 1068
EMsgGCApplyConsumableEffects = 1069
```

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EMsgGCShowItemsPickedUp = 1071
EMsgGCCClientDisplayNotification = 1072
EMsgGCApplyStrangePart = 1073
EMsgGC_IncrementKillCountResponse = 1075
EMsgGCApplyPennantUpgrade = 1076
EMsgGCSetItemPositions = 1077
EMsgGCSetItemPositions_RateLimited = 1096
EMsgGCApplyEggEssence = 1078
EMsgGCNameEggEssenceResponse = 1079
EMsgGCFulfillDynamicRecipeComponent = 1082
EMsgGCFulfillDynamicRecipeComponentResponse = 1083
EMsgGCCClientRequestMarketData = 1084
EMsgGCCClientRequestMarketDataResponse = 1085
EMsgGCExtractGems = 1086
EMsgGCAAddSocket = 1087
EMsgGCAAddItemToSocket = 1088
EMsgGCAAddItemToSocketResponse = 1089
EMsgGCAddSocketResponse = 1090
EMsgGCResetStrangeGemCount = 1091
EMsgGCRequestCrateItems = 1092
EMsgGCRequestCrateItemsResponse = 1093
EMsgGCExtractGemsResponse = 1094
EMsgGCResetStrangeGemCountResponse = 1095
EMsgGCServerUseItemRequest = 1103
EMsgGCAAddGiftItem = 1104
EMsgGCRemoveItemGiftMessage = 1105
EMsgGCRemoveItemGiftMessageResponse = 1106
EMsgGCRemoveItemGifterAccountId = 1107
EMsgGCRemoveItemGifterAccountIdResponse = 1108
EMsgClientToGCRemoveItemGifterAttributes = 1109
EMsgClientToGCRemoveItemName = 1110
EMsgClientToGCRemoveItemDescription = 1111
EMsgClientToGCRemoveItemAttributeResponse = 1112
EMsgGCTradingBase = 1500
EMsgGCTrading_InitiateTradeRequest = 1501
EMsgGCTrading_InitiateTradeResponse = 1502
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EMsgGCTrading_StartSession = 1503
EMsgGCTrading_SessionClosed = 1509
EMsgGCTrading_InitiateTradeRequestResponse = 1514
EMsgGCServerBrowser_FavoriteServer = 1601
EMsgGCServerBrowser_BlacklistServer = 1602
EMsgGCServerRentalsBase = 1700
EMsgGCDev_NewItemRequest = 2001
EMsgGCDev_NewItemRequestResponse = 2002
EMsgGCDev_UnlockAllItemStylesRequest = 2003
EMsgGCDev_UnlockAllItemStylesResponse = 2004
EMsgGCStorePurchaseFinalize = 2504
EMsgGCStorePurchaseFinalizeResponse = 2505
EMsgGCStorePurchaseCancel = 2506
EMsgGCStorePurchaseCancelResponse = 2507
EMsgGCStorePurchaseInit = 2510
EMsgGCStorePurchaseInitResponse = 2511
EMsgGCToGCBannedWordListUpdated = 2515
EMsgGCToGCDirtySDOCache = 2516
EMsgGCToGCDirtyMultipleSDOCache = 2517
EMsgGCToGCUpdateSQLKeyValue = 2518
EMsgGCToGCBroadcastConsoleCommand = 2521
EMsgGCServerVersionUpdated = 2522
EMsgGCApplyAutograph = 2523
EMsgGCToGCWebAPIAccountChanged = 2524
EMsgGCClientVersionUpdated = 2528
EMsgGCToGCUpdateWelcomeMsg = 2529
EMsgGCItemPurgatory_FinalizePurchase = 2531
EMsgGCItemPurgatory_FinalizePurchaseResponse = 2532
EMsgGCItemPurgatory_RefundPurchase = 2533
EMsgGCItemPurgatory_RefundPurchaseResponse = 2534
EMsgGCToGCPlayerStrangeCountAdjustments = 2535
EMsgGCRequestStoreSalesData = 2536
EMsgGCRequestStoreSalesDataResponse = 2537
EMsgGCRequestStoreSalesDataUpToDateResponse = 2538
EMsgGCToGCPingRequest = 2539
EMsgGCToGCPingResponse = 2540
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EMsgGCToGC GetUserSessionServer = 2541
EMsgGCToGC GetUserSessionServerResponse = 2542
EMsgGCToGC GetUserServerMembers = 2543
EMsgGCToGC GetUserServerMembersResponse = 2544
EMsgGCToGC GetUserPCBangNo = 2545
EMsgGCToGC GetUserPCBangNoResponse = 2546
EMsgGCToGCCanUseDropRateBonus = 2547
EMsgSQLAddDropRateBonus = 2548
EMsgGCToGC RefreshSOCache = 2549
EMsgGCToGC ApplyLocalizationDiff = 2550
EMsgGCToGC ApplyLocalizationDiffResponse = 2551
EMsgGCToGC CheckAccountTradeStatus = 2552
EMsgGCToGC CheckAccountTradeStatusResponse = 2553
EMsgGCToGC GrantAccountRolledItems = 2554
EMsgGCToGC GrantSelfMadeItemToAccount = 2555
EMsgGCPartner BalanceRequest = 2557
EMsgGCPartner BalanceResponse = 2558
EMsgGCPartner RechargeRedirectURLRequest = 2559
EMsgGCPartner RechargeRedirectURLResponse = 2560
EMsgGC StatueCraft = 2561
EMsgGC RedeemCode = 2562
EMsgGC RedeemCodeResponse = 2563
EMsgGCToGC ItemConsumptionRollback = 2564
EMsgClient ToGCWrapAndDeliverGift = 2565
EMsgClient ToGCWrapAndDeliverGiftResponse = 2566
EMsgClient ToGCUnpackBundleResponse = 2567
EMsgGCToClient StoreTransactionCompleted = 2568
EMsgClient ToGCEquipItems = 2569
EMsgClient ToGCEquipItemsResponse = 2570
EMsgClient ToGCUnlockItemStyle = 2571
EMsgClient ToGCUnlockItemStyleResponse = 2572
EMsgClient ToGCSetItemInventoryCategory = 2573
EMsgClient ToGCUnlockCrate = 2574
EMsgClient ToGCUnlockCrateResponse = 2575
EMsgClient ToGCUnpackBundle = 2576
EMsgClient ToGCSetItemStyle = 2577
```

```
EMsgClientToGCSetItemStyleResponse = 2578
EMsgSQLGCToGCGrantBackpackSlots = 2580
EMsgClientToGCLookupAccountName = 2581
EMsgClientToGCLookupAccountNameResponse = 2582
EMsgGCToGCDevRevokeUserItems = 2583
EMsgClientToGCCreateStaticRecipe = 2584
EMsgClientToGCCreateStaticRecipeResponse = 2585
EMsgGCToGCStoreProcessCDKeyTransaction = 2586
EMsgGCToGCStoreProcessCDKeyTransactionResponse = 2587
EMsgGCToGCStoreProcessSettlement = 2588
EMsgGCToGCStoreProcessSettlementResponse = 2589
EMsgGCToGCConsoleOutput = 2590
EMsgGCToClientItemAges = 2591
EMsgGCToGCInternalTestMsg = 2592
EMsgGCToGCClientServerVersionsUpdated = 2593
EMsgGCUseMultipleItemsRequest = 2594
EMsgGCGetAccountSubscriptionItem = 2595
EMsgGCGetAccountSubscriptionItemResponse = 2596
EMsgGCToGCBroadcastMessageFromSub = 2598
EMsgGCToClientCurrencyPricePoints = 2599
EMsgGCToGCAddSubscriptionTime = 2600
EMsgGCToGCFetchSteamInventoryCache = 2601
EMsgGCRequestCrateEscalationLevel = 2602
EMsgGCRequestCrateEscalationLevelResponse = 2603
EMsgGCToGCUpdateSubscriptionItems = 2604
EMsgGCToGCSelfPing = 2605
EMsgGCToGCGetInfuxIntervalStats = 2606
EMsgGCToGCGetInfuxIntervalStatsResponse = 2607
EMsgGCToGCPurchaseSucceeded = 2608
EMsgClientToGCGetLimitedItemPurchaseQuantity = 2609
EMsgClientToGCGetLimitedItemPurchaseQuantityResponse = 2610

class dota2.proto_enums.EGCMsgInitiateTradeResponse

    Accepted = 0
    Declined = 1
    VAC_Banned_Initiator = 2
```

```
VAC_Banned_Target = 3
Target_Already_Trading = 4
Disabled = 5
NotLoggedIn = 6
Cancel = 7
TooSoon = 8
TooSoonPenalty = 9
Trade_Banned_Initiator = 10
Trade_Banned_Target = 11
Free_Account_Initiator_DEPRECATED = 12
Shared_Account_Initiator = 13
Service_Unavailable = 14
Target_Blocked = 15
NeedVerifiedEmail = 16
NeedSteamGuard = 17
SteamGuardDuration = 18
TheyCannotTrade = 19
Recent_Password_Reset = 20
Using_New_Device = 21
Sent_Invalid_Cookie = 22
TooRecentFriend = 23
WalledFundsNotTrusted = 24

class dota2.proto_enums.EGCMsgResponse

    EGCMsgResponseOK = 0
    EGCMsgResponseDenied = 1
    EGCMsgResponseServerError = 2
    EGCMsgResponseTimeout = 3
    EGCMsgResponseInvalid = 4
    EGCMsgResponseNoMatch = 5
    EGCMsgResponseUnknownError = 6
    EGCMsgResponseNotLoggedOn = 7
    EGCMsgFailedToCreate = 8

class dota2.proto_enums.EGCMsgUseItemResponse

    ItemUsed = 0
    GiftNoOtherPlayers = 1
```

```
ServerError = 2
MiniGameAlreadyStarted = 3
ItemUsed_ItemsGranted = 4
DropRateBonusAlreadyGranted = 5
NotInLowPriorityPool = 6
NotHighEnoughLevel = 7
EventNotActive = 8
ItemUsed_EventPointsGranted = 9
MissingRequirement = 10
EmoticonUnlock_NoNew = 11
EmoticonUnlock_Complete = 12
ItemUsed_Compendium = 13

class dota2.proto_enums.EGCPartnerRequestResponse

    EPartnerRequestOK = 1
    EPartnerRequestBadAccount = 2
    EPartnerRequestNotLinked = 3
    EPartnerRequestUnsupportedPartnerType = 4

class dota2.proto_enums.EHeroRelicRarity

    HERO_RELIC_RARITY_INVALID = -1
    HERO_RELIC_RARITY_COMMON = 0
    HERO_RELIC_RARITY_RARE = 1

class dota2.proto_enums.EHighPriorityMMState

    EHighPriorityMM_Unknown = 0
    EHighPriorityMM_MissingMMData = 1
    EHighPriorityMM_ResourceMissing = 2
    EHighPriorityMM_ManuallyDisabled = 3
    EHighPriorityMM_Min_Enabled = 64
    EHighPriorityMM_AllRolesSelected = 65
    EHighPriorityMM_UsingResource = 66
    EHighPriorityMM_FiveStack = 67
    EHighPriorityMM_HighDemand = 68

class dota2.proto_enums.EItemEditorReservationResult

    OK = 1
```

```
AlreadyExists = 2
Reserved = 3
TimedOut = 4

class dota2.proto_enums.EItemPurgatoryResponse_Finalize

    ItemPurgatoryResponse_Finalize_Succeeded = 0
    ItemPurgatoryResponse_Finalize_Failed_Incomplete = 1
    ItemPurgatoryResponse_Finalize_Failed_ItemsNotInPurgatory = 2
    ItemPurgatoryResponse_Finalize_Failed_CouldNotFindItems = 3
    ItemPurgatoryResponse_Finalize_Failed_NoSOCache = 4
    ItemPurgatoryResponse_Finalize_BackpackFull = 5

class dota2.proto_enums.EItemPurgatoryResponse_Refund

    ItemPurgatoryResponse_Refund_Succeeded = 0
    ItemPurgatoryResponse_Refund_Failed_ItemNotInPurgatory = 1
    ItemPurgatoryResponse_Refund_Failed_CouldNotFindItem = 2
    ItemPurgatoryResponse_Refund_Failed_NoSOCache = 3
    ItemPurgatoryResponse_Refund_Failed_NoDetail = 4

class dota2.proto_enums.ELaneSelection

    SAFELANE = 0
    OFFLANE = 1
    MIDLANE = 2
    SUPPORT_SOFT = 3
    SUPPORT_HARD = 4

class dota2.proto_enums.ELaneSelectionFlags

    ALL = 31
    CORE = 7
    MIDLANE = 4
    None = 0
    OFFLANE = 2
    SAFELANE = 1
    SUPPORT = 24
    SUPPORT_HARD = 16
    SUPPORT_SOFT = 8

class dota2.proto_enums.ELaneType
```

```
LANE_TYPE_UNKNOWN = 0
LANE_TYPE_SAFE = 1
LANE_TYPE_OFF = 2
LANE_TYPE_MID = 3
LANE_TYPE_JUNGLE = 4
LANE_TYPE_ROAM = 5

class dota2.proto_enums.ELeagueAuditAction

    LEAGUE_AUDIT_ACTION_INVALID = 0
    LEAGUE_AUDIT_ACTION_LEAGUE_CREATE = 1
    LEAGUE_AUDIT_ACTION_LEAGUE_EDIT = 2
    LEAGUE_AUDIT_ACTION_LEAGUE_DELETE = 3
    LEAGUE_AUDIT_ACTION_LEAGUE_ADMIN_ADD = 4
    LEAGUE_AUDIT_ACTION_LEAGUE_ADMIN_REVOK = 5
    LEAGUE_AUDIT_ACTION_LEAGUE_ADMIN_PROMOTE = 6
    LEAGUE_AUDIT_ACTION_LEAGUE_STREAM_ADD = 7
    LEAGUE_AUDIT_ACTION_LEAGUE_STREAM_REMOVE = 8
    LEAGUE_AUDIT_ACTION_LEAGUE_IMAGE_UPDATED = 9
    LEAGUE_AUDIT_ACTION_LEAGUE_MESSAGE_ADDED = 10
    LEAGUE_AUDIT_ACTION_LEAGUE_SUBMITTED = 11
    LEAGUE_AUDIT_ACTION_LEAGUE_SET_PRIZE_POOL = 12
    LEAGUE_AUDIT_ACTION_LEAGUE_ADD_PRIZE_POOL_ITEM = 13
    LEAGUE_AUDIT_ACTION_LEAGUE_REMOVE_PRIZE_POOL_ITEM = 14
    LEAGUE_AUDIT_ACTION_LEAGUE_MATCH_START = 15
    LEAGUE_AUDIT_ACTION_LEAGUE_MATCH_END = 16
    LEAGUE_AUDIT_ACTION_LEAGUE_ADD_INVITED_TEAM = 17
    LEAGUE_AUDIT_ACTION_LEAGUE_REMOVE_INVITED_TEAM = 18
    LEAGUE_AUDIT_ACTION_LEAGUE_STATUS_CHANGED = 19
    LEAGUE_AUDIT_ACTION_LEAGUE_STREAM_EDIT = 20
    LEAGUE_AUDIT_ACTION_LEAGUE_TEAM_SWAP = 21
    LEAGUE_AUDIT_ACTION_NODEGROUP_CREATE = 100
    LEAGUE_AUDIT_ACTION_NODEGROUP_DESTROY = 101
    LEAGUE_AUDIT_ACTION_NODEGROUP_ADD_TEAM = 102
    LEAGUE_AUDIT_ACTION_NODEGROUP_REMOVE_TEAM = 103
    LEAGUE_AUDIT_ACTION_NODEGROUP_SET_ADVANCING = 104
    LEAGUE_AUDIT_ACTION_NODEGROUP_EDIT = 105
```

```
LEAGUE_AUDIT_ACTION_NODEGROUP_POPULATE = 106
LEAGUE_AUDIT_ACTION_NODEGROUP_COMPLETED = 107
LEAGUE_AUDIT_ACTION_NODEGROUP_SET_SECONDARY_ADVANCING = 108
LEAGUE_AUDIT_ACTION_NODEGROUP_SET_TERTIARY_ADVANCING = 109
LEAGUE_AUDIT_ACTION_NODE_CREATE = 200
LEAGUE_AUDIT_ACTION_NODE_DESTROY = 201
LEAGUE_AUDIT_ACTION_NODE_AUTOCREATE = 202
LEAGUE_AUDIT_ACTION_NODE_SET_TEAM = 203
LEAGUE_AUDIT_ACTION_NODE_SET_SERIES_ID = 204
LEAGUE_AUDIT_ACTION_NODE_SET_ADVANCING = 205
LEAGUE_AUDIT_ACTION_NODE_SET_TIME = 206
LEAGUE_AUDIT_ACTION_NODE_MATCH_COMPLETED = 207
LEAGUE_AUDIT_ACTION_NODE_COMPLETED = 208
LEAGUE_AUDIT_ACTION_NODE_EDIT = 209

class dota2.proto_enums.ELeagueBroadcastProvider

    LEAGUE_BROADCAST_UNKNOWN = 0
    LEAGUE_BROADCAST_STEAM = 1
    LEAGUE_BROADCAST_TWITCH = 2
    LEAGUE_BROADCAST_YOUTUBE = 3
    LEAGUE_BROADCAST_OTHER = 100

class dota2.proto_enums.ELeagueFlags

    LEAGUE_FLAGS_NONE = 0
    LEAGUE_ACCEPTED AGREEMENT = 1
    LEAGUE_PAYMENT_EMAIL_SENT = 2
    LEAGUE_COMPENDIUM_ALLOWED = 4
    LEAGUE_COMPENDIUM_PUBLIC = 8

class dota2.proto_enums.ELeaguePhase

    LEAGUE_PHASE_UNSET = 0
    LEAGUE_PHASE_REGIONAL_QUALIFIER = 1
    LEAGUE_PHASE_GROUP_STAGE = 2
    LEAGUE_PHASE_MAIN_EVENT = 3

class dota2.proto_enums.ELeagueRegion

    LEAGUE_REGION_UNSET = 0
```

```
LEAGUE_REGION_NA = 1
LEAGUE_REGION_SA = 2
LEAGUE_REGION_EUROPE = 3
LEAGUE_REGION_CIS = 4
LEAGUE_REGION_CHINA = 5
LEAGUE_REGION_SEA = 6

class dota2.proto_enums.ELeagueStatus

LEAGUE_STATUS_UNSET = 0
LEAGUE_STATUS_UNSUBMITTED = 1
LEAGUE_STATUS_SUBMITTED = 2
LEAGUE_STATUS_ACCEPTED = 3
LEAGUE_STATUS_REJECTED = 4
LEAGUE_STATUS_CONCLUDED = 5
LEAGUE_STATUS_DELETED = 6

class dota2.proto_enums.ELeagueTier

LEAGUE_TIER_UNSET = 0
LEAGUE_TIER_AMATEUR = 1
LEAGUE_TIER_PROFESSIONAL = 2
LEAGUE_TIER_MINOR = 3
LEAGUE_TIER_MAJOR = 4
LEAGUE_TIER_INTERNATIONAL = 5
LEAGUE_TIER_DPC_QUALIFIER = 6
LEAGUE_TIER_DPC_LEAGUE_QUALIFIER = 7
LEAGUE_TIER_DPC_LEAGUE = 8

class dota2.proto_enums.ELeagueTierCategory

LEAGUE_TIER_CATEGORY_AMATEUR = 1
LEAGUE_TIER_CATEGORY_PROFESSIONAL = 2
LEAGUE_TIER_CATEGORY_DPC = 3

class dota2.proto_enums.ELobbyMemberCoachRequestState

eLobbyMemberCoachRequestState_None = 0
eLobbyMemberCoachRequestState_Accepted = 1
eLobbyMemberCoachRequestState_Rejected = 2

class dota2.proto_enums.EMatchBehaviorScoreVariance
```

```
Invalid = 0
Low = 1
Medium = 2
High = 3

class dota2.proto_enums.EMatchGroupServerStatus

OK = 0
LimitedAvailability = 1
Offline = 2

class dota2.proto_enums.EMatchOutcome

Unknown = 0
RadVictory = 2
DireVictory = 3
NotScored_PoorNetworkConditions = 64
NotScored_Leaver = 65
NotScored_ServerCrash = 66
NotScored_NeverStarted = 67
NotScored_Canceled = 68
NotScored_Suspicious = 69

class dota2.proto_enums.EMobilePaymentProvider

Invalid = 0
GooglePlay = 1
AppleAppStore = 2

class dota2.proto_enums.EOverwatchConviction

GuiltUnclear = 2
Guilty = 3
None = 0
NotGuilty = 1

class dota2.proto_enums.EOverwatchReportReason

Unknown = 0
Cheating = 1
Feeding = 2
Griefing = 3
Suspicious = 4
```

```
AbilityAbuse = 5
class dota2.proto_enums.EPartyBeaconType

Available = 0
Joinable = 1

class dota2.proto_enums.EPartyMatchmakingFlags

LargeRankSpread = 1
None = 0

class dota2.proto_enums.EPlayerChallengeHistoryType

Invalid = 0
KillEater = 1
DotaPlusRelic = 2
DotaPlusHeroPlayerChallenge = 3
InGameEventChallenge = 4
GuildContract = 5

class dota2.proto_enums.EProfileCardSlotType

Empty = 0
Stat = 1
Trophy = 2
Item = 3
Hero = 4
Emoticon = 5
Team = 6

class dota2.proto_enums.EPurchaseHeroRelicResult

Success = 0
FailedToSend = 1
NotEnoughPoints = 2
InternalServerError = 3
PurchaseNotAllowed = 4
InvalidRelic = 5
AlreadyOwned = 6
InvalidRarity = 7

class dota2.proto_enums.EReadyCheckRequestResult
```

```
Success = 0
AlreadyInProgress = 1
NotInParty = 2
SendError = 3
UnknownError = 4

class dota2.proto_enums.EReadyCheckStatus

Unknown = 0
NotReady = 1
Ready = 2

class dota2.proto_enums.ESOMsg

Create = 21
Update = 22
Destroy = 23
CacheSubscribed = 24
CacheUnsubscribed = 25
UpdateMultiple = 26
CacheSubscriptionRefresh = 28
CacheSubscribedUpToDate = 29

class dota2.proto_enums.ESourceEngine

ESE_Source1 = 0
ESE_Source2 = 1

class dota2.proto_enums.ESpecialPingValue

NoData = 16382
Failed = 16383

class dota2.proto_enums.EStartFindingMatchResult

Invalid = 0
OK = 1
AlreadySearching = 2
FailGeneric = 100
FailedIgnore = 101
MatchmakingDisabled = 102
RegionOffline = 103
MatchmakingCooldown = 104
```

```
ClientOutOfDate = 105
CompetitiveNoLowPriority = 106
CompetitiveNotUnlocked = 107
GameModeNotUnlocked = 108
CompetitiveNotEnoughPlayTime = 109
MissingInitialSkill = 110
CompetitiveRankSpreadTooLarge = 111
MemberAlreadyInLobby = 112
MemberNotVACVerified = 113
WeekendTourneyBadPartySize = 114
WeekendTourneyTeamBuyInTooSmall = 115
WeekendTourneyIndividualBuyInTooLarge = 116
WeekendTourneyTeamBuyInTooLarge = 117
MemberMissingEventOwnership = 118
WeekendTourneyNotUnlocked = 119
WeekendTourneyRecentParticipation = 120
MemberMissingAnchoredPhoneNumber = 121
NotMemberOfClan = 122
CoachesChallengeBadPartySize = 123
CoachesChallengeRequirementsNotMet = 124
InvalidRoleSelections = 125
PhoneNumberDiscrepancy = 126
NoQueuePoints = 127
MemberMissingGauntletFlag = 128
MemberGauntletTooRecent = 129
DifficultyNotUnlocked = 130
CoachesNotAllowedInParty = 131
MatchmakingBusy = 132
SteamChinaBanned = 133
SteamChinaInvalidMixedParty = 134

class dota2.proto_enums.ESupportEventRequestResult

Success = 0
Timeout = 1
CantLockSOCache = 2
ItemNotInInventory = 3
```

```
InvalidItemDef = 4
InvalidEvent = 5
EventExpired = 6
InvalidSupportAccount = 7
InvalidSupportMessage = 8
InvalidEventPoints = 9
InvalidPremiumPoints = 10
InvalidActionID = 11
InvalidActionScore = 12
TransactionFailed = 13

class dota2.proto_enums.ETeamFanContentStatus

TEAM_FAN_CONTENT_STATUS_INVALID = 0
TEAM_FAN_CONTENT_STATUS_PENDING = 1
TEAM_FAN_CONTENT_STATUS_EVALUATED = 2

class dota2.proto_enums.ETeamInviteResult

TEAM_INVITE_SUCCESS = 0
TEAM_INVITE_FAILURE_INVITE_REJECTED = 1
TEAM_INVITE_FAILURE_INVITE_TIMEOUT = 2
TEAM_INVITE_ERROR_TEAM_AT_MEMBER_LIMIT = 3
TEAM_INVITE_ERROR_TEAM_LOCKED = 4
TEAM_INVITE_ERROR_INVITEE_NOT_AVAILABLE = 5
TEAM_INVITE_ERROR_INVITEE_BUSY = 6
TEAM_INVITE_ERROR_INVITEE_ALREADY_MEMBER = 7
TEAM_INVITE_ERROR_INVITEE_AT_TEAM_LIMIT = 8
TEAM_INVITE_ERROR_INVITEE_INSUFFICIENT_PLAY_TIME = 9
TEAM_INVITE_ERROR_INVITER_INVALID_ACCOUNT_TYPE = 10
TEAM_INVITE_ERROR_INVITER_NOT_ADMIN = 11
TEAM_INVITE_ERROR_INCORRECT_USER_RESPONDED = 12
TEAM_INVITE_ERROR_UNSPECIFIED = 13

class dota2.proto_enums.ETournamentEvent

Canceled = 8
GameOutcome = 3
None = 0
ScheduledGameStarted = 7
```

```
TeamAbandoned = 6
TeamGivenBye = 4
TeamParticipationTimedOut_EntryFeeForfeit = 10
TeamParticipationTimedOut_EntryFeeRefund = 9
TeamParticipationTimedOut_GrantedVictory = 11
TournamentCanceledByAdmin = 5
TournamentCreated = 1
TournamentsMerged = 2

class dota2.proto_enums.ETournamentGameState

Unknown = 0
Canceled = 1
Scheduled = 2
Active = 3
RadVictory = 20
DireVictory = 21
RadVictoryByForfeit = 22
DireVictoryByForfeit = 23
ServerFailure = 40
NotNeeded = 41

class dota2.proto_enums.ETournamentNodeState

Unknown = 0
Canceled = 1
TeamsNotYetAssigned = 2
InBetweenGames = 3
GameInProgress = 4
A_Won = 5
B_Won = 6
A_WonByForfeit = 7
B_WonByForfeit = 8
A_Bye = 9
A_Abandoned = 10
ServerFailure = 11
A_TimeoutForfeit = 12
A_TimeoutRefund = 13
```

```
class dota2.proto_enums.ETournamentState

    Unknown = 0
    CanceledByAdmin = 1
    Completed = 2
    Merged = 3
    ServerFailure = 4
    TeamAbandoned = 5
    TeamTimeoutForfeit = 6
    TeamTimeoutRefund = 7
    ServerFailureGrantedVictory = 8
    TeamTimeoutGrantedVictory = 9
    InProgress = 100
    WaitingToMerge = 101

class dota2.proto_enums.ETournamentTeamState

    Unknown = 0
    Node1 = 1
    NodeMax = 1024
    Eliminated = 14003
    Forfeited = 14004
    Finished1st = 15001
    Finished2nd = 15002
    Finished3rd = 15003
    Finished4th = 15004
    Finished5th = 15005
    Finished6th = 15006
    Finished7th = 15007
    Finished8th = 15008
    Finished9th = 15009
    Finished10th = 15010
    Finished11th = 15011
    Finished12th = 15012
    Finished13th = 15013
    Finished14th = 15014
    Finished15th = 15015
    Finished16th = 15016
```

```
class dota2.proto_enums.ETournamentTemplate

    AutomatedWin3 = 1
    None = 0

class dota2.proto_enums.ETourneyQueueDeadlineState

    Normal = 0
    Missed = 1
    ExpiredOK = 2
    SeekingBye = 3
    EligibleForRefund = 4
    NA = -1
    ExpiringSoon = 101

class dota2.proto_enums.EUnderDraftResponse

    eInternalError = 0
    eSuccess = 1
    eNoGold = 2
    eInvalidSlot = 3
    eNoBenchSpace = 4
    eNoTickets = 5
    eEventNotOwned = 6
    eInvalidReward = 7
    eHasBigReward = 8
    eNoGCConnection = 9
    eTooBusy = 10
    eCantRollBack = 11

class dota2.proto_enums.EWeekendTourneyRichPresenceEvent

    Eliminated = 3
    None = 0
    StartedMatch = 1
    WonMatch = 2

class dota2.proto_enums.Fantasy_Roles

    FANTASY_ROLE_UNDEFINED = 0
    FANTASY_ROLE_CORE = 1
    FANTASY_ROLE_SUPPORT = 2
```

```
FANTASY_ROLE_OFFLANE = 3
FANTASY_ROLE_MID = 4

class dota2.proto_enums.Fantasy_Selection_Mode

FANTASY_SELECTION_INVALID = 0
FANTASY_SELECTION_LOCKED = 1
FANTASY_SELECTION_SHUFFLE = 2
FANTASY_SELECTION_FREE_PICK = 3
FANTASY_SELECTION_ENDED = 4
FANTASY_SELECTION_PRE_SEASON = 5
FANTASY_SELECTION_PRE_DRAFT = 6
FANTASY_SELECTION_DRAFTING = 7
FANTASY_SELECTION_REGULAR_SEASON = 8
FANTASY_SELECTION_CARD_BASED = 9

class dota2.proto_enums.Fantasy_Team_Slots

FANTASY_SLOT_NONE = 0
FANTASY_SLOT_CORE = 1
FANTASY_SLOT_SUPPORT = 2
FANTASY_SLOT_ANY = 3
FANTASY_SLOT_BENCH = 4

class dota2.proto_enums.GCConnectionStatus

HAVE_SESSION = 0
GC_GOING_DOWN = 1
NO_SESSION = 2
NO_SESSION_IN_LOGON_QUEUE = 3
NO_STEAM = 4
SUSPENDED = 5
STEAM_GOING_DOWN = 6

class dota2.proto_enums.GCProtoBufMsgSrc

Unspecified = 0
FromSystem = 1
FromSteamID = 2
FromGC = 3
ReplySystem = 4
```

```
    SpoofedSteamID = 5

class dota2.proto_enums.LobbyDotaPauseSetting

    Unlimited = 0
    Limited = 1
    Disabled = 2

class dota2.proto_enums.LobbyDotaTVDelay

    LobbyDotaTV_10 = 0
    LobbyDotaTV_120 = 1
    LobbyDotaTV_300 = 2
    LobbyDotaTV_900 = 3

class dota2.proto_enums.MatchLanguages

    MATCH_LANGUAGE_INVALID = 0
    MATCH_LANGUAGE_ENGLISH = 1
    MATCH_LANGUAGE_RUSSIAN = 2
    MATCH_LANGUAGE_CHINESE = 3
    MATCH_LANGUAGE_KOREAN = 4
    MATCH_LANGUAGE_SPANISH = 5
    MATCH_LANGUAGE_PORTUGUESE = 6
    MATCH_LANGUAGE_ENGLISH2 = 7

class dota2.proto_enums.MatchType

    MATCH_TYPE_CASUAL = 0
    MATCH_TYPE_COOP_BOTS = 1
    MATCH_TYPE_LEGACY_TEAM_RANKED = 2
    MATCH_TYPE_LEGACY_SOLO_QUEUE = 3
    MATCH_TYPE_COMPETITIVE = 4
    MATCH_TYPE_WEEKEND_TOURNY = 5
    MATCH_TYPE_CASUAL_1V1 = 6
    MATCH_TYPE_EVENT = 7
    MATCH_TYPE_SEASONAL_RANKED = 8
    MATCH_TYPE_LOWPRI_DEPRECATED = 9
    MATCH_TYPE_STEAM_GROUP = 10
    MATCH_TYPE_MUTATION = 11
    MATCH_TYPE_COACHES_CHALLENGE = 12
```

```

MATCH_TYPE_GAUNTLET = 13
MATCH_TYPE_NEW_PLAYER_POOL = 14

class dota2.proto_enums.PartnerAccountType

PARTNER_NONE = 0
PARTNER_PERFECT_WORLD = 1
PARTNER_INVALID = 3

```

## 2.1.4 msg

Various utility function for dealing with messages.

`dota2.msg.get_emsg_enum(emsg)`

Attempts to find the Enum for the given `int`

**Parameters** `emsg` (`int`) – integer corresponding to a Enum

**Returns** Enum if found, `emsg` if not

**Return type** `Enum, int`

`dota2.msg.find_proto(emsg)`

Attempts to find the protobuf message for a given Enum

**Parameters** `emsg` (`Enum`) – Enum corrensponding to a protobuf message

**Returns** protobuf message class

## 2.1.5 utils

`dota2.utils.replay_url(match_id, cluster, replay_salt, app_id=570)`

Form url for match replay

**Parameters**

- `match_id` (`int`) – match id
- `cluster` (`int`) – cluster the match is saved on
- `replay_salt` (`int`) – salt linked to the replay
- `app_id` (`int`) – (optional) app\_id for dota

**Returns** url to download the replay of a specific match

**Return type** `str`

`dota2.utils.replay_url_from_match(match, app_id=570)`

Form url for match replay

**Parameters**

- `match` (`proto message`) – `CMsgDOTAMatch`
- `app_id` (`int`) – (optional) app\_id for dota

**Returns** url to download the replay of a specific match, None if match has not all the information

**Return type** `str, None`

`dota2.utils.metadata_url(match_id, cluster, replay_salt, app_id=570)`

Form url for match metadata file

**Parameters**

- **match\_id** (`int`) – match id
- **cluster** (`int`) – cluster the match is saved on
- **replay\_salt** (`int`) – salt linked to the replay
- **app\_id** (`int`) – (optional) app\_id for dota

**Returns** url to download the metadata of a specific match

**Return type** `str`

`dota2.utils.metadata_url_from_match(match, app_id=570)`

Form url for match metadata file

**Parameters**

- **match** (`proto message`) – `CMsgDOTAMatch`
- **app\_id** (`int`) – (optional) app\_id for dota

**Returns** url to download the metadata of a specific match, None if match has not all the information

**Return type** `str, None`

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