

Package: fivbvis (via r-universe)

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Title Client for the FIVB VIS Web Service
 \url{https://www.fivb.org/VisSDK/VisWebService/}

Version 0.0.7

Description Client for the FIVB VIS web service.

URL <https://fivbvis.openvolley.org>,
 <https://github.com/openvolley/fivbvis>

BugReports <https://github.com/openvolley/fivbvis/issues>

Imports assertthat, data.table, digest, httr, jsonlite, methods,
 minixml, rappdirs, rvest, tibble, xml2, XML

Suggests testthat

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Encoding UTF-8

LazyData true

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Remotes coolbutuseless/minixml

Config/pak/sysreqs libxml2-dev libssl-dev

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fivbvis	fivbvis
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Description

Client for the FIVB VIS web service

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v_caching

*Get or set fivbvis caching behaviour***Description**

By default, fivbvis starts with session-specific caching (equivalent to running `v_caching(TRUE); v_cache_dir("session")`)

Usage

```
v_caching(caching)
```

```
v_cache_dir(cache_dir)
```

Arguments

caching	logical or string: if TRUE, used cached results; if FALSE, no caching; if "refresh", refresh the cache
cache_dir	string: either • "session" - use a session-specific directory for caching, meaning that when R is closed and restarted, the cache will be cleared and a new one used • "user" - use a persistent, user-specific directory (as returned by user_data_dir) • or a string giving a path to a specific directory to use. The directory must already exist

Value

The caching setting (for `v_caching`) or cache directory (for `v_cache_dir`) after applying any provided parameters

Examples

```
v_caching(TRUE) ## turn caching on
v_caching(FALSE) ## turn caching off
v_caching("refresh") ## contents in cache will be updated

v_cache_dir() ## return current cache dir
## Not run:
  v_cache_dir("session") ## use per-session cache
  v_cache_dir("user") ## use persistent, user-specific cache
  v_cache_dir("c:/my/cache/dir") ## use specific dir

## End(Not run)
```

v_fields	<i>Return the fields for a given VIS data type</i>
----------	--

Description

Return the fields for a given VIS data type

Usage

```
v_fields(type)
```

Arguments

type	string: the data type, currently one of "Volleyball Tournament", "Volleyball Tournament Ranking", "Volleyball Tournament Filter", "Volleyball Player", "Volleyball Match"
------	---

Value

A character vector of field names

References

<https://www.fivb.org/VisSDK/VisWebService/>

Examples

```
v_fields("Volleyball Tournament")
```

v_flag	<i>Retrieve a country flag image</i>
--------	--------------------------------------

Description

Retrieve a country flag image

Usage

```
v_flag(country_code)
```

Arguments

country_code	string: the ISO 3166-1 alpha-2 code of the country. For federations, you need to convert the federation code to the equivalent country code. If there is no equivalent country (for ENG, NIR, SCO, WAL), you can use the 3 letters federation code to retrieve the flag.
--------------	--

Value

Path to image file

References

[https://www.fivb.org/VisSDK/VisWebService/#Country%20flags%20\(small\).html](https://www.fivb.org/VisSDK/VisWebService/#Country%20flags%20(small).html)

Examples

```
## Not run:  
  v_flag("AU")  
  
## End(Not run)
```

v_get_beach_match	<i>Get a beach volleyball match</i>
-------------------	-------------------------------------

Description

Get a beach volleyball match

Usage

```
v_get_beach_match(no, fields)
```

Arguments

no	integer: match number
fields	character: fields to return

Value

A data.frame

References

<https://www.fivb.org/VisSDK/VisWebService/#GetBeachMatch.html>

Examples

```
## Not run:  
  v_get_beach_match(15592)  
  
## End(Not run)
```

`v_get_beach_match_list`*Get a list of beach volleyball matches*

Description

Get a list of beach volleyball matches

Usage

```
v_get_beach_match_list(fields = v_fields("Beach Match"), version, filter)
```

Arguments

<code>fields</code>	character: fields to return
<code>version</code>	integer: version of local list (currently ignored)
<code>filter</code>	list: (currently ignored)

Value

A data.frame

References

<https://www.fivb.org/VisSDK/VisWebService/#GetBeachMatchList.html>

Examples

```
## Not run:  
v_get_beach_match_list()  
  
## End(Not run)
```

`v_get_beach_olympic_selection_ranking`*Request to get a beach volleyball Olympic Selection ranking*

Description

Request to get a beach volleyball Olympic Selection ranking

Usage

```
v_get_beach_olympic_selection_ranking(  
    gender,  
    gamesyear,  
    onlyselected,  
    referencedate,  
    fields = v_fields("Beach Olympic Selection Ranking")  
)
```

Arguments

gender	character: gender of the olympic ranking selection
gamesyear	integer: year to return ranking selection. if this parameter is not specified, the web service will return the ranking for the latest olympic games with a ranking.
onlyselected	logical: the selection status of the returned teams. If NULL or not specified, the resulting list will contain both selected and not-selected teams. If FALSE, the resulting list will contain only non-selected teams. If TRUE, the resulting list will contain only selected teams
referencedate	Date: reference date of the ranking: when the ranking has been calculated. If there is no Olympic Games selection ranking calculated at the specified date, the returned ranking will be empty. If this parameter is not specified, the web service will return the ranking for the latest reference date
fields	character: fields to return

Value

A data.frame

References

<https://www.fivb.org/VisSDK/VisWebService/#GetBeachOlympicSelectionRanking.html>

Examples

```
## Not run:  
v_get_beach_olympic_selection_ranking("W")  
  
## End(Not run)
```

v_get_beach_round	<i>Get a beach volleyball round</i>
-------------------	-------------------------------------

Description

Get a beach volleyball round

Usage

```
v_get_beach_round(no, fields)
```

Arguments

no	integer: round number
fields	character: fields to return

Value

A data.frame

References

<https://www.fivb.org/VisSDK/VisWebService/#GetBeachRound.html>

Examples

```
## Not run:  
v_get_beach_round(3054)  
  
## End(Not run)
```

v_get_beach_round_list	<i>Get a list of beach volleyball rounds</i>
------------------------	--

Description

Get a list of beach volleyball rounds

Usage

```
v_get_beach_round_list(fields = v_fields("Beach Round"), version, filter)
```

Arguments

fields	character: fields to return
version	integer: version of local list (currently ignored)
filter	list: (currently ignored)

Value

A data.frame

References

<https://www.fivb.org/VisSDK/VisWebService/#GetBeachRoundList.html>

Examples

```
## Not run:  
v_get_beach_round_list()  
  
## End(Not run)
```

v_get_beach_round_ranking

Request to get the ranking of a beach volleyball round

Description

Request to get the ranking of a beach volleyball round

Usage

```
v_get_beach_round_ranking(no, fields = v_fields("Beach Round Ranking"))
```

Arguments

no	integer: number of the beach volleyball round
fields	character: fields to return

Value

A data.frame

References

<https://www.fivb.org/VisSDK/VisWebService/#GetBeachRoundRanking.html>

Examples

```
## Not run:  
v_get_beach_round_ranking(980)  
  
## End(Not run)
```

v_get_beach_team	<i>Get a beach volleyball team</i>
------------------	------------------------------------

Description

Get a beach volleyball team

Usage

```
v_get_beach_team(no, fields)
```

Arguments

no	integer: team number
fields	character: fields to return

Value

A data.frame

References

<https://www.fivb.org/VisSDK/VisWebService/#GetBeachTeam.html>

Examples

```
## Not run:  
v_get_beach_team(375442)  
  
## End(Not run)
```

v_get_beach_team_list *Get a list of beach volleyball teams*

Description

Get a list of beach volleyball teams

Usage

```
v_get_beach_team_list(fields = v_fields("Beach Team"), version, filter)
```

Arguments

fields	character: fields to return
version	integer: version of local list (currently ignored)
filter	list: (currently ignored)

Value

A data.frame

References

<https://www.fivb.org/VisSDK/VisWebService/#GetBeachTeamList.html>

Examples

```
## Not run:  
v_get_beach_team_list()  
  
## End(Not run)
```

v_get_beach_tournament
Get a beach tournament

Description

Get a beach tournament

Usage

```
v_get_beach_tournament(no, fields)
```

Arguments

no	integer: the number of the tournament
fields	character: fields to return

Value

A data.frame

References

<https://www.fivb.org/VisSDK/VisWebService/#GetBeachTournament.html>

Examples

```
## Not run:  
v_get_beach_tournament(502)  
  
## End(Not run)
```

v_get_beach_tournament_list

Get a list of beach tournaments

Description

Get a list of beach tournaments

Usage

```
v_get_beach_tournament_list(  
  fields = v_fields("Beach Tournament"),  
  version,  
  filter  
)
```

Arguments

fields	character: fields to return
version	integer: version of local list (currently ignored)
filter	list: (currently ignored)

Value

A data.frame

References

<https://www.fivb.org/VisSDK/VisWebService/#GetBeachTournament.html>

Examples

```
## Not run:  
  v_get_beach_tournament_list()  
  
## End(Not run)
```

v_get_beach_tournament_ranking

Request to get the ranking of a beach volleyball tournament

Description

Request to get the ranking of a beach volleyball tournament

Usage

```
v_get_beach_tournament_ranking(  
  no,  
  phase,  
  fields = v_fields("Beach Tournament Ranking")  
)
```

Arguments

no	integer: number of the beach volleyball tournament
phase	string: phase for which to return the ranking ("Qualification" or "MainDraw")
fields	character: fields to return

Value

A data.frame

References

<https://www.fivb.org/VisSDK/VisWebService/#GetBeachTournamentRanking.html>

Examples

```
## Not run:  
  v_get_beach_tournament_ranking(503)  
  
## End(Not run)
```

`v_get_beach_world_tour_ranking`*Request to get a beach volleyball World Tour ranking*

Description

Request to get a beach volleyball World Tour ranking

Usage

```
v_get_beach_world_tour_ranking(  
    gender,  
    number,  
    referencedate,  
    fields = v_fields("Beach World Tour Ranking")  
)
```

Arguments

gender	character: gender of the teams to retrieve the ranking for
number	integer: number of entries to return
referencedate	date: reference date of the ranking when the ranking has been calculated. YYYY-MM-DD. if there is no World Tour ranking calculated at the specified date, the returned ranking will be empty. if this parameter is not specified, the web service will return the ranking for the latest reference date.
fields	character: fields to return

Value

A data.frame

References

<https://www.fivb.org/VisSDK/VisWebService/#GetBeachWorldTourRanking.html>

Examples

```
## Not run:  
  v_get_beach_world_tour_ranking("W")  
  
## End(Not run)
```

`v_get_event`*Get an event*

Description

Get an event

Usage

```
v_get_event(no, fields)
```

Arguments

<code>no</code>	integer: the number of event
<code>fields</code>	character: fields to return

Value

A data.frame

References

<https://www.fivb.org/VisSDK/VisWebService/#GetEvent.html>

Examples

```
## Not run:  
v_get_event(1)  
  
## End(Not run)
```

`v_get_event_list`*Get an event list*

Description

Get an event list

Usage

```
v_get_event_list(fields = v_fields("Event"), version, filter)
```

Arguments

- fields character: fields to return
- version integer: version of local list (currently ignored)
- filter list: (currently ignored)

Value

A data.frame

References

<https://www.fivb.org/VisSDK/VisWebService/#GetEventList.html>

Examples

```
## Not run:  
v_get_event_list()  
  
## End(Not run)
```

v_get_player	<i>Get a player</i>
--------------	---------------------

Description

Get a player

Usage

```
v_get_player(no, fields)
```

Arguments

- no integer: the number of the player
- fields character: fields to return

Value

A data.frame

References

<https://www.fivb.org/VisSDK/VisWebService/#GetPlayer.html>

Examples

```
## Not run:  
  v_get_player(100002)  
  
## End(Not run)
```

v_get_press_release_list
Get a list of press releases

Description

Get a list of press releases

Usage

```
v_get_press_release_list(  
  no,  
  startindex = 1,  
  filter,  
  fields = v_fields("Press Release")  
)
```

Arguments

no	integer: the number of press releases to return
startindex	integer: index of the first press release to return
filter	list: (currently ignored)
fields	character: fields to return

Value

A data.frame

References

<https://www.fivb.org/VisSDK/VisWebService/#GetPressReleaseList.html>

Examples

```
## Not run:  
  v_get_press_release_list(10)  
  
## End(Not run)
```

`v_get_press_release_text`*Get a press release text*

Description

Get a press release text

Usage

```
v_get_press_release_text(no, language, fields = v_fields("Press Release Text"))
```

Arguments

<code>no</code>	integer: press release number
<code>language</code>	string: (currently ignored)
<code>fields</code>	character: fields to return

Value

A data.frame

References

<https://www.fivb.org/VisSDK/VisWebService/#GetPressReleaseText.html>

Examples

```
## Not run:  
v_get_press_release_text(28639)  
  
## End(Not run)
```

`v_get_referee_list`*Get a list of referees*

Description

Get a list of referees

Usage

```
v_get_referee_list(fields = v_fields("Referee"), version, filter)
```

Arguments

fields	character: fields to return
version	integer: version of local list (currently ignored)
filter	list: (currently ignored)

Value

A data.frame

References

https://www.fivb.org/VisSDK/VisWebService/#Beach%20Live_xsd~e-BeachLive~e-Referee.html

Examples

```
## Not run:  
v_get_referee_list()  
  
## End(Not run)
```

v_get_volley_match	<i>Get a volleyball match</i>
--------------------	-------------------------------

Description

Get a volleyball match

Usage

```
v_get_volley_match(no, fields)
```

Arguments

no	integer: match number
fields	character: fields to return

Value

A data.frame

References

<https://www.fivb.org/VisSDK/VisWebService/#GetVolleyMatch.html>

Examples

```
## Not run:  
v_get_volley_match(7604)  
  
## End(Not run)
```

v_get_volley_match_list

Get a list of volleyball matches

Description

Get a list of volleyball matches

Usage

```
v_get_volley_match_list(fields = v_fields("Volleyball Match"), version, filter)
```

Arguments

fields	character: fields to return
version	integer: version of local list (currently ignored)
filter	list: (currently ignored)

Value

A data.frame

References

<https://www.fivb.org/VisSDK/VisWebService/#GetVolleyMatchList.html>

Examples

```
## Not run:  
v_get_volley_match_list()  
  
## End(Not run)
```

v_get_volley_player	<i>Get a registration of a player in a volleyball tournament</i>
---------------------	--

Description

Get a registration of a player in a volleyball tournament

Usage

```
v_get_volley_player(no, fields)
```

Arguments

no	integer: the number of the player registration
fields	character: fields to return

Value

A data.frame

References

<https://www.fivb.org/VisSDK/VisWebService/#GetVolleyPlayer.html>

Examples

```
## Not run:  
v_get_volley_player(2508)  
  
## End(Not run)
```

v_get_volley_player_list	<i>Get a list of registration of players in volleyball tournaments</i>
--------------------------	--

Description

Get a list of registration of players in volleyball tournaments

Usage

```
v_get_volley_player_list(  
  fields = c(v_fields("Volleyball Player"), "FirstName", "LastName"),  
  version,  
  filter  
)
```

Arguments

fields	character: fields to return
version	integer: version of local list (currently ignored)
filter	list: (currently ignored)

Value

A data.frame

References

<https://www.fivb.org/VisSDK/VisWebService/#GetVolleyPlayerList.html>

Examples

```
## Not run:  
v_get_volley_player_list()  
  
## End(Not run)
```

v_get_volley_tournament

Get a volleyball tournament

Description

Get a volleyball tournament

Usage

```
v_get_volley_tournament(no, fields)
```

Arguments

no	integer: the tournament number ("No" as returned by v_get_volley_tournament_list
fields	character: fields to return

Value

A data.frame

References

<https://www.fivb.org/VisSDK/VisWebService/#GetVolleyTournament.html>

Examples

```
## Not run:
  v_get_volley_tournament(1)

## End(Not run)
```

v_get_volley_tournament_list

Get a list of volleyball tournaments

Description

Get a list of volleyball tournaments

Usage

```
v_get_volley_tournament_list(
  fields = v_fields("Volleyball Tournament"),
  version,
  filter
)
```

Arguments

fields	character: fields to return
version	integer: version of local list (currently ignored)
filter	list: (currently ignored)

Value

A data.frame

References

<https://www.fivb.org/VisSDK/VisWebService/#GetVolleyTournamentList.html>

Examples

```
## Not run:
  v_get_volley_tournament_list()

## End(Not run)
```

`v_get_volley_tournament_ranking`
Get the ranking of a volleyball tournament

Description

Get the ranking of a volleyball tournament

Usage

```
v_get_volley_tournament_ranking(  
  notournament,  
  fields = v_fields("Volleyball Tournament Ranking")  
)
```

Arguments

<code>notournament</code>	integer: the tournament number ("No" as returned by <code>v_get_volley_tournament_list</code>)
<code>fields</code>	character: fields to return

Value

A data.frame

References

<https://www.fivb.org/VisSDK/VisWebService/#GetVolleyTournamentRanking.html>

Examples

```
## Not run:  
v_get_volley_tournament_ranking(1032)  
  
## End(Not run)
```

`v_options` *Set or get fivbvis options*

Description

Set or get fivbvis options

Usage

```
v_options(huge_xml = FALSE, verbose = FALSE)
```

Arguments

huge_xml	logical: if TRUE, set the XML parsing options to allow "huge" (i.e. deeply-nested) XML documents to be parsed
verbose	logical: if TRUE, display progress information

Value

The current options (invisibly unless at least one parameter has been provided)

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