

get_code_info

The `get_code_info` message provides information about codes. A `get_code_info` message implies that the user is passing a *scheme:code pair* and wants the associated information about that pair returned.

Return Name / Information Associated with a Code

To generate a list of base tree nodes or a list of names associated with a given *scheme:code pair*, the sequence of events is as follows:

1. A client requests information for a given *scheme:code* (`type=default`)
 2. The ONT server performs the following steps:
 - a. Get the project / role available for the user from the PM cell; this also serves to validate the user.
 - b. Query the table of tables to confirm that the user / role can access category passed in. If not, return coded error.
 - c. Queries a list of tables for entries that match the *scheme:code pair*.
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1. If error, the client receives an error message with the code `TABLE_ACCESS_DENIED`.
 2. The client maps name / information to request.

get_code_info Request Message

A `get_code_info` message implies that the user is passing a *scheme:code pair* and wants the associated information about that pair returned. The attributes provide information about the results to be returned. The `hiddens` and `synonyms` attributes tell us whether to return `hiddens` and `synonyms`. By default `hiddens` and `synonyms` are `false`, so if they are left out it will be `false`. The `type` tells which columns to select (`default / core / all`). By default, the `type` is set to `default` so you don't have to include it if you want the default set of columns returned. Each message will interpret the default to be a different set of columns. The default set of columns for `get_code_info` consists of name only.

- If `type = core`, then all columns except the blob and the system / date information will be returned.
- If `type = all` then all columns except the blob are returned.

The *blob attribute* indicates whether or not to return the blob along with the default / core / all return columns.

Example:

```
<message_body>  
<get_code_info hiddens="true" synonyms="true" type="default" blob="false">  
<match_str strategy="exact">ICD9:493</match_str>  
</get_code_info>  
</message_body>
```

Possible "type" Settings

| Value | Description |
|---------|--|
| default | Return only the name |
| core | Return all data except the system / date information |
| all | Return all data |

get_code_info Response Message

The ONT request to map scheme:code pair to a name has the following settings:

type=default

blob=false

Response Message:

```
<message_body>
<concepts>
<concept>
<name>Asthma</name>
</concept>
</concepts>
</message_body>
```

The find terms search by code has the following settings:

type=core

blob=false

Response Message:

```
<message_body>
<concepts>
<concept>
<level>4</level>
<key>\\i2b2\RPDR\Diagnoses\Respiratory system (460-519)\Chronic obstructive diseases (490-496)(493) Asthma</key>
<name>Asthma</name>
<synonym_cd>N</synonym_cd>
<visualattributes>FA </visualattributes>
<totalnum>0</totalnum>
<basecode>ICD9:493</basecode>
<facttablecolumn>concept_cd</facttablecolumn>
<tablename>concept_dimension</tablename>
<columnname>concept_path</columnname>
<columndatatype>T</columndatatype>
<operator>LIKE</operator>
<dimcode>\RPDR\Diagnoses\Respiratory system (460-519)\Chronic obstructive diseases (490-496)(493) Asthma</dimcode>
<tooltip>Diagnoses \ Respiratory system \ Chronic obstructive diseases \ Asthma</tooltip>
</concept>
</concepts>
</message_body>
```