

# update\_crc\_concept

The `update_crc_concept` message is sent to start the metadata / dimension table synchronization process.

## Update Concepts in CONCEPT\_DIMENSION

To update all concepts, the sequence of events is as follows:

1. The client specifies a desire to begin the synchronization process.
2. The Ontology server performs the following steps:
  - a. Identifies all nodes that have been created or edited (`VISUAL_ATTRIBUTE` contains "E" in the third character)
  - b. Uploads a file to the File Repository Cell (FRC) that contains all nodes identified above.
  - c. Notifies the CRC to start an upload.
  
1. The client displays the progress of the process.

## update\_crc\_concept Request Message

This message helps to synchronize the Ontology concepts with the CRC cell. i.e. Updates appropriate CRC dimension tables like the `CONCEPT_DIMENSION`, `PROVIDER_DIMENSION` and the `MODIFIER_DIMENSION` tables. This message has an `operation_type` attribute that may be set to "update\_only" or "synchronize\_all". "update\_only" instructs the ONT cell to update the appropriate CRC dimension tables with newly constructed metadata (terms with "E" in the third character in `VISUAL_ATTRIBUTES`). "synchronize\_all" is more complicated: it rebuilds the dimension table anew with all metadata terms.

**Example:**

```
<message_body>  
<update_crc_concept operation_type="update_only"/>  
</message_body>
```

## Possible "hiddens" Settings

Some ontology terms exist but for various reasons are not displayed in the query tree. This setting defaults to true.

Value	Description
false	Do not update data categorized as "hidden" in the CRC
true	Include data categorized as "hidden" in the CRC update

## Possible "synonyms" Settings

Some ontology terms are listed as synonyms for other terms. This setting defaults to false.

Value	Description
false	Do not include data categorized as "synonym" in the CRC
true	Include data categorized as "synonym" in the CRC update

## update\_crc\_concept Response Message

A **status type** of *DONE* or *ERROR* is specified in the response header. The *<message\_body>* provides process status for the requested process id.

**Example:**

```
<message_body>  
<ontology_process_status>  
<process_id>26</process_id>  
<process_step_cd>ONT_BUILD_PDO_START</process_step_cd>  
<start_date>2010-04-05T00:00:00.000-04:00</start_date>  
<process_status_cd>PROCESSING</process_status_cd>  
<message />  
</ontology_process_status>  
</message_body>
```