

# addchild

The `add_child` message is sent to add a new leaf or folder to a given folder.

## Add a Node in the Tree

To add a node to the tree, the sequence of events is as follows:

1. The client requests to add a leaf or folder to a given folder.
2. WORK server performs the following steps:
  - a. Parses the leaf or folder index to obtain the key / table\_cd
  - b. Query WORKPLACE\_ACCESS table for the table name associated with the table\_cd.
  - c. Generates a new index for the new leaf or folder.
  - d. Insert the new leaf or folder into the WORKPLACE table.

1. Client populates the selected folder with the new leaf or folder.

## add\_child Request Message

This message requires the user to specify the leaf or folder to be added. No additional attribute settings are necessary.

```
<message_body>
<work:add_child>
<name>Circulatory system</name>
<user_id>lcp</user_id>
<group_id>Asthma</group_id>
<index>1oBqNGe4mGB8291gNZlg</index>
<parent_index>\\asthma\25</parent_index>
<visual_attributes>LA</visual_attributes>
<tooltip>CONCEPT:Circulatory system</tooltip>
<work_xml>
<plugin_drag_drop xmlns:ns4="http://www.i2b2.org/xsd/cell/ont/1.1/">
<concepts>
<concept>
<level>2</level>
<key>\\rpd\RPDR\Diagnoses\Circulatory system (390-459)</key>
<name>Circulatory system</name>
<synonym_cd>N</synonym_cd>
<visualattributes>FA</visualattributes>
<totalnum>0</totalnum>
<basecode>L_13</basecode>
<facttablecolumn>concept_cd</facttablecolumn>
<tablename>concept_dimension</tablename>
<columnname>concept_path</columnname>
<columndatatype>T</columndatatype>
<operator>LIKE</operator>
<dimcode>\\RPDR\Diagnoses\Circulatory system (390-459)</dimcode>
<comment />
<tooltip>Diagnoses \ Circulatory system</tooltip>
</concept>
</concepts>
</plugin_drag_drop>
</work_xml>
<work_xml_i2b2_type>CONCEPT</work_xml_i2b2_type>
</work:add_child>
</message_body>
```

## add\_child Response Message

A **status type** of *DONE* or *ERROR* is specified in the response header. No specialized message\_body is returned to the client.