

# add\_modifier

The **add\_modifier** message provides information about a metadata modifier to be added to the database. An add\_modifier message implies that the user is adding a modifier leaf, folder or container to a given term or modifier folder or container. This message is used in both *addModifier* and *excludeModifier* Ontology cell operations.

## Add a Modifier to the Tree

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

1. The client requests to add a leaf or folder to a given (editable) parent term or modifier node.
2. The Ontology server performs the following steps:
  - a. Parses the modifier information to obtain the key / TABLE\_CD
  - b. Queries the TABLE\_ACCESS table for the table name associated with the TABLE\_CD
  - c. Inserts the new modifier leaf, folder or container into the Ontology metadata table

1. The client populates the selected parent node with the new modifier.

## add\_modifier Request Message

An **add\_modifier** message requires the user to specify the modifier to be added. No additional attribute settings are necessary.

**Example:**

```
<span style="color: #0000ff"><</span><span style="color: #a31515">message_body</span><span style="color: #0000ff">></span>
<span style="color: #0000ff"><</span><span style="color: #a31515">ns6:add_modifier</span><span style="color: #0000ff">></span>
<span style="color: #0000ff"><</span><span style="color: #a31515">level</span><span style="color: #0000ff">></span>1<span style="color: #0000ff"><</span>
</span><span style="color: #a31515">level</span><span style="color: #0000ff">></span>
<span style="color: #0000ff"><</span><span style="color: #a31515">applied_path</span><span style="color: #0000ff">></span><span style="color: #0000ff">></span><span>\Custom
Metadata\Smoking status\Smoker{color:#0000ff}</applied_path<span style="color: #0000ff">></span>
<span style="color: #0000ff"><</span><span style="color: #a31515">key</span><span style="color: #0000ff">></span><span style="color: #0000ff">></span><span>\CUST\Heavy{color:#0000ff}<
/key<span style="color: #0000ff">></span>
<span style="color: #0000ff"><</span><span style="color: #a31515">name</span><span style="color: #0000ff">></span><span>Heavy<span style="color:
#0000ff"></span><span style="color: #a31515">name</span><span style="color: #0000ff">></span>
<span style="color: #0000ff"><</span><span style="color: #a31515">visualattributes</span><span style="color: #0000ff">></span><span>RAE<span style="color:
#0000ff">></span><span style="color: #a31515">visualattributes</span><span style="color: #0000ff">></span>
<span style="color: #0000ff"><</span><span style="color: #a31515">synonym_cd</span><span style="color: #0000ff">></span><span>N<span style="color:
#0000ff"></span><span style="color: #a31515">synonym_cd</span><span style="color: #0000ff">></span>
<span style="color: #0000ff"><</span><span style="color: #a31515">totalnum</span><span style="color: #ff0000">xmlns:xsi</span><span style="color:
#0000ff">></span><span><span style="color: #0000ff"><</span><span style="color: #0000ff">><a href="http://www.w3.org/2001/XMLSchema-instance" class="external-link" rel="nofollow">http://www.
w3.org/2001/XMLSchema-instance</a></span><span style="color: #ff0000">xsi:nil</span><span style="color: #0000ff">></span><span style="color:
#0000ff">></span><span style="color: #0000ff">></span><span><span style="color: #0000ff"><</span><span style="color: #0000ff">></span>
<span style="color: #0000ff"><</span><span style="color: #a31515">basecode</span><span style="color: #0000ff">></span><span>heavy<span style="color:
#0000ff"></span><span style="color: #a31515">basecode</span><span style="color: #0000ff">></span>
<span style="color: #0000ff"><</span><span style="color: #a31515">facttablecolumn</span><span style="color: #0000ff">></span><span>modifier_cd<span
style="color: #0000ff"></span><span style="color: #a31515">facttablecolumn</span><span style="color: #0000ff">></span>
<span style="color: #0000ff"><</span><span style="color: #a31515">tablename</span><span style="color: #0000ff">></span><span>modifier_dimension<span
style="color: #0000ff"></span><span style="color: #a31515">tablename</span><span style="color: #0000ff">></span>
<span style="color: #0000ff"><</span><span style="color: #a31515">columnname</span><span style="color: #0000ff">></span><span>modifier_path<span
style="color: #0000ff"></span><span style="color: #a31515">columnname</span><span style="color: #0000ff">></span>
<span style="color: #0000ff"><</span><span style="color: #a31515">columndatatype</span><span style="color: #0000ff">></span><span>T<span style="color:
#0000ff"></span><span style="color: #a31515">columndatatype</span><span style="color: #0000ff">></span>
<span style="color: #0000ff"><</span><span style="color: #a31515">operator</span><span style="color: #0000ff">></span><span>LIKE<span style="color:
#0000ff"></span><span style="color: #a31515">operator</span><span style="color: #0000ff">></span>
<span style="color: #0000ff"><</span><span style="color: #a31515">dimcode</span><span style="color: #0000ff">></span><span>\Heavy{color:#0000ff}<
/dimcode<span style="color: #0000ff">></span>
<span style="color: #0000ff"><</span><span style="color: #a31515">comment</span><span style="color: #0000ff">></span>
<span style="color: #0000ff"><</span><span style="color: #a31515">tooltip</span><span style="color: #0000ff">></span><span>Heavy [Custom
Metadata\Smoking status\Smoker
]<span style="color: #0000ff"></span><span style="color: #a31515">tooltip</span><span style="color: #0000ff">></span>
<span style="color: #0000ff"><</span><span style="color: #a31515">sourcesystem_cd</span><span style="color: #0000ff">></span>
</span>lcp5_manualentry<span style="color: #0000ff"></span><span style="color: #a31515">sourcesystem_cd</span><span style="color: #0000ff">></span>
</span>
<span style="color: #0000ff"><</span><span style="color: #a31515">ns6:add_modifier</span><span style="color: #0000ff">></span>
<span style="color: #0000ff"><</span><span style="color: #a31515">message_body</span><span style="color: #0000ff">></span>
```

## add\_modifier Response Message

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