

# GET ddl/database/:db/table/:table

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## 1 Description

Describe an HCatalog table. Normally returns a simple list of columns (using "desc table"), but the extended format will show more information (using "show table extended like").

## 2 URL

`http://www.myserver.com/templeton/v1/ddl/database/:db/table/:table`

`http://www.myserver.com/templeton/v1/ddl/database/:db/table/:table?format=extended`

## 3 Parameters

Name	Description	Required?	Default
<b>:db</b>	The database name	Required	None
<b>:table</b>	The table name	Required	None
<b>format</b>	Set "format=extended" to see additional information (using "show table extended like")	Optional	Not extended

## 4 Results

Name	Description
<b>columns</b>	A list of column names and types
<b>database</b>	The database name
<b>table</b>	The table name
<b>partitioned</b> (extended only)	True if the table is partitioned
<b>location</b> (extended only)	Location of table
<b>outputFormat</b> (extended only)	Output format
<b>owner</b> (extended only)	The owner's user name
<b>partitionColumns</b> (extended only)	List of the partition columns
<b>inputFormat</b> (extended only)	Input format

## 5 Example

### Curl Command (simple)

```
% curl -s 'http://localhost:50111/templeton/v1/ddl/database/default/table/my_table?
user.name=ctdean'
```

### JSON Output (simple)

```
{
  "columns": [
    {
      "name": "id",
      "type": "bigint"
    },
    {
      "name": "user",
      "comment": "The user name",
      "type": "string"
    },
    {
      "name": "my_p",
      "type": "string"
    },
    {
      "name": "my_q",
      "type": "string"
    }
  ],
  "database": "default",
  "table": "my_table"
}
```

### Curl Command (extended)

```
% curl -s 'http://localhost:50111/templeton/v1/ddl/database/default/table/test_table?
user.name=ctdean&format=extended'
```

### JSON Output (extended)

```
{
  "partitioned": true,
  "location": "hdfs://ip-10-77-6-151.ec2.internal:8020/apps/hive/warehouse/test_table",
  "outputFormat": "org.apache.hadoop.hive.ql.io.RCFileOutputFormat",
  "columns": [
    {
      "name": "id",
      "type": "bigint"
    },
    {
      "name": "price",
      "comment": "The unit price",
      "type": "float"
    }
  ]
}
```

```
}  
],  
"owner": "ctdean",  
"partitionColumns": [  
  {  
    "name": "country",  
    "type": "string"  
  }  
],  
"inputFormat": "org.apache.hadoop.hive ql.io.RCFileInputFormat",  
"database": "default",  
"table": "test_table"  
}
```

### JSON Output (error)

```
{  
  "error": "Table xtest_table does not exist",  
  "errorCode": 404,  
  "database": "default",  
  "table": "xtest_table"  
}
```