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

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## 1 Description

Describe a single partition in an HCatalog table.

## 2 URL

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

## 3 Parameters

| Name | Description | Required? | Default |
|------|-------------|-----------|---------|
| **:db** | The database name | Required | None |
| **:table** | The table name | Required | None |
| **:partition** | The partition name, col_name='value' list. Be careful to properly encode the quote for http, for example, country= %27algeria%27. | Required | None |

The [standard parameters](#) are also supported.

## 4 Results

| Name | Description |
|------|-------------|
| **database** | The database name |
| **table** | The table name |
| **partition** | The partition name |
| **partitioned** | True if the table is partitioned |
| **location** | Location of table |
| **outputFormat** | Output format |
| **columns** | list of column names, types, and comments |
| **owner** | The owner's user name |
| **partitionColumns** | List of the partition columns |
| **inputFormat** | Input format |

## 5 Example

### Curl Command

```
% curl -s \
    'http://localhost:50111/templeton/v1/ddl/database/default/table/mytest/partition/
country=%27US%27?user.name=ctdean'
```

### JSON Output

```
{
  "partitioned": true,
  "location": "hdfs://ip-10-77-6-151.ec2.internal:8020/apps/hive/warehouse/mytest/loc1",
  "outputFormat": "org.apache.hadoop.hive.ql.io.RCFileOutputFormat",
  "columns": [
    {
      "name": "i",
      "type": "int"
    },
    {
      "name": "j",
      "type": "bigint"
    },
    {
      "name": "ip",
      "comment": "IP Address of the User",
      "type": "string"
    }
  ],
  "owner": "rachel",
  "partitionColumns": [
    {
      "name": "country",
      "type": "string"
    }
  ],
  "inputFormat": "org.apache.hadoop.hive.ql.io.RCFileInputFormat",
  "database": "default",
  "table": "mytest",
  "partition": "country='US'"
}
```