

HBASE - ADMIN API

http://www.tutorialspoint.com/hbase/hbase_admin_api.htm

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HBase is written in java, therefore it provides java API to communicate with HBase. Java API is the fastest way to communicate with HBase. Given below is the referenced java Admin API that covers the tasks used to manage tables.

Class HBaseAdmin

HBaseAdmin is a class representing the Admin. This class belongs to the **org.apache.hadoop.hbase.client** package. Using this class, you can perform the tasks of an administrator. You can get the instance of Admin using **Connection.getAdmin** method.

Methods and Description

S.No.	Methods and Description
1	void createTableHTableDescriptor Creates a new table.
2	void createTableHTableDescriptor, byte[][]splitKeys Creates a new table with an initial set of empty regions defined by the specified split keys.
3	void deleteColumnbyte[tableName, StringcolumnName] Deletes a column from a table.
4	void deleteColumnStringtableName, StringcolumnName Delete a column from a table.
5	void deleteTableStringtableName Deletes a table.

Class Descriptor

This class contains the details about an HBase table such as:

- the descriptors of all the column families,
- if the table is a catalog table,
- if the table is read only,
- the maximum size of the mem store,
- when the region split should occur,
- co-processors associated with it, etc.

Constructors

S.No. Constructor and summary

1

HTableDescriptor*TableName*

Constructs a table descriptor specifying a *TableName* object.

Methods and Description

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1

HTableDescriptor **addFamily***HColumnDescriptor**family*

Adds a column family to the given descriptor

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