Module 8: Advance HBase

Practical Doc

REST Server Details: *http://bdlabs.edureka.co:50001/cmf/services/17/instances*

◉	HBase REST Server	Stopped	ip-20-0-21-4.ec2.internal
●	HBase REST Server	Started	ip-20-0-21-196.ec2.internal

Hostname: ip-20-0-21-196.ec2.internal

Port: 20550

Use curl to verify REST Server

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curl "http://ip-20-0-21-196.ec2.internal:20550/"

```
[edu_bigdata_user@ip-20-0-41-190 ~]$ curl "http://ip-20-0-21-196.ec2.internal:20550/"
Training
courses
custom
custom1
customer
customers
employee
emprec
```

curl http://ip-20-0-21-196.ec2.internal:20550/version

```
[edu_bigdata_user@ip-20-0-41-190 ~]$ curl "http://ip-20-0-21-196.ec2.internal:20550/version"
rest 0.0.3 [JVM: Oracle Corporation 1.8.0_144-25.144-b01] [OS: Linux 3.10.0-693.11.1.el7.x86_64 amd64] [Server: jetty/6.1.26.cloudera.4] [Jersey: 1.9]
[edu_bigdata_user@ip-20-0-41-190 ~]$
```

REST Java Client

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```
package hbase;

import java.io.IOException;

import org.apache.hadoop.hbase.client.Get;
import org.apache.hadoop.hbase.client.Result;
import org.apache.hadoop.hbase.client.ResultScanner;
import org.apache.hadoop.hbase.client.Scan;
import org.apache.hadoop.hbase.rest.client.Client;
import org.apache.hadoop.hbase.rest.client.Cluster;
import org.apache.hadoop.hbase.rest.client.RemoteHTable;
import org.apache.hadoop.hbase.util.Bytes;

public class HRest {

        public static void main(String[] args) throws IOException {
        Cluster cluster = new Cluster();
        cluster.add("ip-20-0-21-196.ec2.internal", 20550);
        Client client = new Client(cluster);
        RemoteHTable table = new RemoteHTable(client, "employee");
        Get get = new Get(Bytes.toBytes("11"));
        get.addColumn(Bytes.toBytes("personal"), Bytes.toBytes("name"));
        Result result1 = table.get(get);
        System.out.println("Get result1: " + result1);
        Scan scan = new Scan();
        scan.setStartRow(Bytes.toBytes("11"));
        scan.setStopRow(Bytes.toBytes("13"));
        scan.addColumn(Bytes.toBytes("personal"), Bytes.toBytes("name"));
```

```
        ResultScanner scanner = table.getScanner(scan);
        for (Result result2 : scanner) {
        System.out.println("Scan row[" + Bytes.toString(result2.getRow()) +
        "]: " + result2);
        }
        }

}
```