**Imply Pivot**

***Install***

tar -xzf imply-2.2.3.tar.gz  
cd imply-2.2.3

***Start***

bin/supervise -c conf/supervise/quickstart.conf

***Post the Index.json***

bin/post-index-task --file quickstart/wikiticker-index.json

**Zookeeper**

***Install***

[*curl http://www.gtlib.gatech.edu/pub/apache/zookeeper/zookeeper-3.4.6/zookeeper-3.4.6.tar.gz -o zookeeper-3.4.6.tar.gz*](http://www.gtlib.gatech.edu/pub/apache/zookeeper/zookeeper-3.4.6/zookeeper-3.4.6.tar.gz)

tar -xzf zookeeper-3.4.6.tar.gz  
***Start***

cd zookeeper-3.4.6  
 cp conf/zoo\_sample.cfg conf/zoo.cfg  
 ./bin/zkServer.sh start

**Druid**

***Install***

curl -O http://static.druid.io/artifacts/releases/druid-0.10.0-bin.tar.gz  
tar -xzf druid-0.10.0-bin.tar.gz  
cd druid-0.10.0

***Start***

java `cat conf-quickstart/druid/historical/jvm.config | xargs` -cp "conf-quickstart/druid/\_common:conf-quickstart/druid/historical:lib/\*" io.druid.cli.Main server historical  
java `cat conf-quickstart/druid/broker/jvm.config | xargs` -cp "conf-quickstart/druid/\_common:conf-quickstart/druid/broker:lib/\*" io.druid.cli.Main server broker  
java `cat conf-quickstart/druid/coordinator/jvm.config | xargs` -cp "conf-quickstart/druid/\_common:conf-quickstart/druid/coordinator:lib/\*" io.druid.cli.Main server coordinator  
java `cat conf-quickstart/druid/overlord/jvm.config | xargs` -cp "conf-quickstart/druid/\_common:conf-quickstart/druid/overlord:lib/\*" io.druid.cli.Main server overlord  
java `cat conf-quickstart/druid/middleManager/jvm.config | xargs` -cp "conf-quickstart/druid/\_common:conf-quickstart/druid/middleManager:lib/\*" io.druid.cli.Main server middleManager

***Submit the query via curl***

curl -X POST "http://localhost:8082/druid/v2/?pretty" \ -H 'content-type: application/json' -d @query.body

***Sample Query***

{

"queryType": "groupBy",

"dataSource": "druidtest",

"granularity": "all",

"dimensions": [],

"aggregations": [

{"type": "count", "name": "rows"},

{"type": "longSum", "name": "imps", "fieldName": "impressions"},

{"type": "doubleSum", "name": "wp", "fieldName": "wp"}

],

"intervals": ["2010-01-01T00:00/2020-01-01T00"]

}

***Delete the Data Source Query***

curl -XDELETE <http://localhost:8081/druid/coordinator/v1/datasources/Jmatek_June_2017>

***Average Query [leapfrog]***

{

"queryType":"groupBy",

"dataSource":"leapfrog",

"granularity":"all",

"dimensions":[ ], "aggregations":[{"name":"!T\_1","type":"count","fieldName":"rows"},{"name":"!T\_2","type":"doubleSum","fieldName":"Target DOS"}],"postAggregations":[{"type":"arithmetic","fn":"\*","fields":[{"type":"arithmetic","fn":"/","fields":[{"type":"fieldAccess","fieldName":"!T\_2"},{"type":"fieldAccess","fieldName":"!T\_1"}]},{"type":"constant","value":1}],"name":"Avg DOS"}],

"intervals":[

"2006-01-01T00:00:00.000Z/2020-01-01T00:00:00.000Z"

]

}

***JavaScript Query For druid Aggregation***

{

"queryType":"groupBy",

"dataSource":"leapfrog",

"granularity":"all",

"dimensions":[],

"aggregations":[{"name":"rows","type":"count","fieldName":"rows"},

{"name":"TargetDOS","type":"doubleSum","fieldName":"Target DOS"}],"postAggregations":[

{

"type": "javascript",

"name": "Target DOS Average",

"fieldNames": ["TargetDOS", "rows"],

"function": "function(TargetDOS, rows) { return Math.abs(TargetDOS) / rows; }"

}], "intervals":[ "2006-01-01T00:00:00.000Z/2020-01-01T00:00:00.000Z" ]}