

CHECKLIST

CLUSTER – SPARK – MONGODB – POSTGRES

START SEQUENCE

•	FIREWALL	STOP
•	SHARDS	START
•	CONFIG SERVER	START
•	ROUTER SERVER	START
	CONFIG SERVER	STATUS
	ROUTER SERVER	STATUS
	MONGO CONNECTION	TESTED
•	ENVIRONMENT VARIABLES	SET
•	SPARK	START
	SPARK UI	TESTED
•	POSTGRES	START
	POSTGRES	STATUS
	POSTGRES CONNECTION	TESTED
	VER	FY DATASET
	DATABASE CONSISTENCY	TESTED
	CODE SAMPLING	YES / NO
•	MAVEN CLEAN	BUILDRUN
		RUN
		RUN
•	NOTING SCINIF L	NON
		RUN
•	SUBMIT	RUN
	MONITORING UI	STATUS

START SEQUENCE

```
systemctl stop firewalld
systemctl start mongoshard
systemctl start mongoconfig
systemctl start mongorouter
systemctl status mongoconfig -1
systemctl status mongorouter -1
mongo -host 192.168.1.5 --port 27017
export PATH=$PATH:/opt/spark/bin
export SPARK_HOME=/opt/spark
export JAVA_HOME=/usr/lib/jvm/jre-1.8.0-openjdk
export PATH=$PATH:$JAVA_HOME
$SPARK_HOME/sbin/start-all.sh
                                                       RUN
spark-submit --class Statistics --master spark://192.168.1.5:7077 --deploy-mode cluster
file:/opt/statistics-3.1-jar-with-dependencies.jar 192.168.1.5
spark-submit --class SparkNoSQL --master spark://192.168.1.5:7077 --deploy-mode cluster
file:/opt/spark_nosql-3.1-jar-with-dependencies.jar 192.168.1.5 /opt/resources/lexicon.txt
/opt/resources/emoticon.txt /opt/resources/slang.txt /opt/resources/modifiers.txt /opt/resources/negate.txt
spark-submit --driver-class-path /opt/postgresql-42.2.5.jar --class SparkSQL --master
spark://192.168.1.5:7077 --deploy-mode cluster file:/opt/spark_sql-3.1-jar-with-dependencies.jar
/opt/resources/lexicon.txt /opt/resources/emoticon.txt /opt/resources/slang.txt /opt/resources/modifiers.txt
/opt/resources/negate.txt jdbc:postgresql://192.168.1.5:5432/maadb postgres demo
java -jar relational-2.0-jar-with-dependencies.jar /opt/resources/lexicon.txt /opt/resources/emoticon.txt
/opt/resources/slang.txt /opt/resources/modifiers.txt /opt/resources/negate.txt
jdbc:postgresql://localhost:5432/rmaadb postgres demo
```