

Assignment 2

Fault Recovery in HDFS

1. Step 1

- a. Download and install HDFS on a set 4 VMs in Baadal Cloud!
- b. Try out various features of HDFS.
- c. Store 4 large files (~200 MB each).
- d. Find out Data-nodes of the blocks of each file.
- e. Shutdown one VM
- f. Find out the new distribution of blocks of each file
- g. Retrieve files and compare with original files.

2. Step 2

- a. Restore the VM.
- b. Check distribution of blocks.
- c. Prepare and submit report

3. Report should contain

- a. Steps used to install HDFS on 4VMs
- b. Distribution of file blocks before and after one VM shutdown; and after VM restoration

Deadline for submission : 30 August