Задания:  
Порассуждать после прочтения литературы: чем грозит отсутствие ACID и транзакций в целом? Какие проблемы это создает?  
Учитывая информацию о OLAP и OLTP, для каких бизнес задач подходит Hadoop, для каких нет и почему?  
+  
Получить у меня доступы и зайти на кластер.  
Выполнить hdfs dfs –ls

1)ACID стараются использовать в системе банковских переводов, если нет подтверждения, то операция не выполняется с целью обезопасить.

Проблемы долгих транзакций, загрузки серверов, нужны более мощное железо

2)Hadoop предназначен для OLAP, возможность быстро получить информацию. Не подойдет для систем с постоянной перезаписью (увеличит нагрузку на сервер)

3)login as: student10\_3

Authenticating with public key "imported-openssh-key" from agent

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│ • MobaXterm 20.6 • │

│ (SSH client, X-server and networking tools) │

│ │

│ ➤ SSH session to student10\_3@89.208.221.132 │

│ • SSH compression : ✔ │

│ • SSH-browser : ✔ │

│ • X11-forwarding : ✘ (disabled or not supported by server) │

│ • DISPLAY : 192.168.0.107:0.0 │

│ │

│ ➤ For more info, ctrl+click on help or visit our website │

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Last login: Tue Dec 15 21:04:30 2020 from 94.102.122.106

[student10\_3@manager ~]$ hdfs

Usage: hdfs [--config confdir] COMMAND

where COMMAND is one of:

dfs run a filesystem command on the file systems supported in Hadoop.

namenode -format format the DFS filesystem

secondarynamenode run the DFS secondary namenode

namenode run the DFS namenode

journalnode run the DFS journalnode

zkfc run the ZK Failover Controller daemon

datanode run a DFS datanode

dfsadmin run a DFS admin client

diskbalancer Distributes data evenly among disks on a given node

haadmin run a DFS HA admin client

fsck run a DFS filesystem checking utility

balancer run a cluster balancing utility

jmxget get JMX exported values from NameNode or DataNode.

mover run a utility to move block replicas across

storage types

oiv apply the offline fsimage viewer to an fsimage

oiv\_legacy apply the offline fsimage viewer to an legacy fsimage

oev apply the offline edits viewer to an edits file

fetchdt fetch a delegation token from the NameNode

getconf get config values from configuration

groups get the groups which users belong to

snapshotDiff diff two snapshots of a directory or diff the

current directory contents with a snapshot

lsSnapshottableDir list all snapshottable dirs owned by the current user

Use -help to see options

portmap run a portmap service

nfs3 run an NFS version 3 gateway

cacheadmin configure the HDFS cache

crypto configure HDFS encryption zones

storagepolicies list/get/set block storage policies

version print the version

Most commands print help when invoked w/o parameters.

[student10\_3@manager ~]$ dfs -ls

-bash: dfs: command not found

[student10\_3@manager ~]$ dfs-ls

-bash: dfs-ls: command not found

[student10\_3@manager ~]$ dfs

-bash: dfs: command not found

[student10\_3@manager ~]$ -ls

-bash: -ls: command not found

[student10\_3@manager ~]$ w

12:16:01 up 332 days, 20:15, 1 user, load average: 0.84, 0.73, 0.74

USER TTY FROM LOGIN@ IDLE JCPU PCPU WHAT

student1 pts/6 94.102.122.81 12:12 1.00s 0.08s 0.04s w

[student10\_3@manager ~]$ dfs

-bash: dfs: command not found

[student10\_3@manager ~]$ o

-bash: o: command not found

[student10\_3@manager ~]$ dfs -ls

-bash: dfs: command not found

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[student10\_3@manager ~]$ dfs

-bash: dfs: command not found

[student10\_3@manager ~]$ o

-bash: o: command not found

[student10\_3@manager ~]$ w

12:16:55 up 332 days, 20:16, 1 user, load average: 0.33, 0.61, 0.70

USER TTY FROM LOGIN@ IDLE JCPU PCPU WHAT

student1 pts/6 94.102.122.81 12:12 7.00s 0.06s 0.01s w

[student10\_3@manager ~]$ -ls

-bash: -ls: command not found

[student10\_3@manager ~]$ dfs -ls

-bash: dfs: command not found

[student10\_3@manager ~]$ ваы

-bash: $'\320\262\320\260\321\213': command not found

[student10\_3@manager ~]$ dfs

-bash: dfs: command not found

[student10\_3@manager ~]$ hdfs dfs -ls

[student10\_3@manager ~]$ hdfs dfs-ls

Error: Could not find or load main class dfs-ls

[student10\_3@manager ~]$