Introduction to Big Data

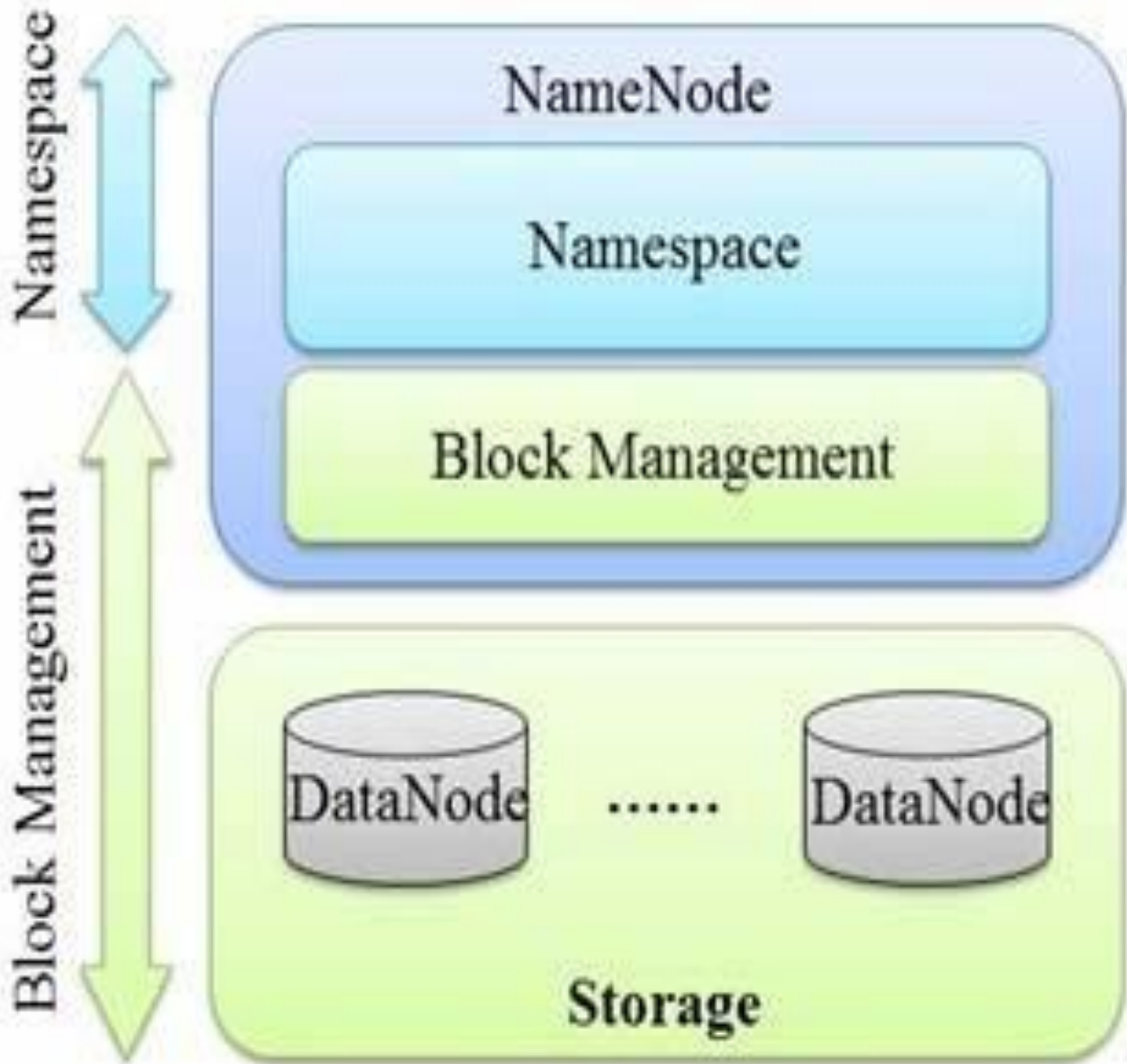## ECAP456

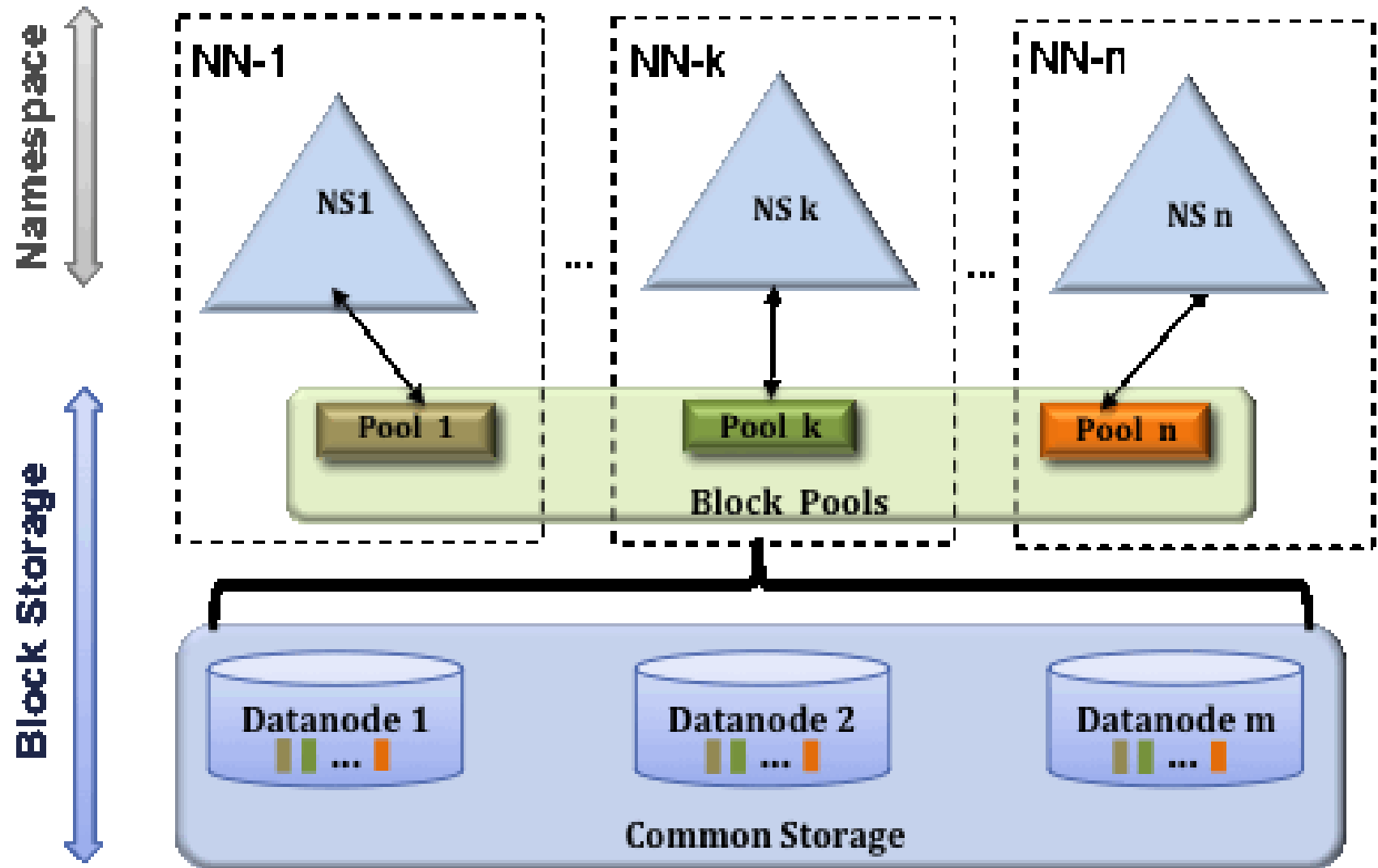Dr. Rajni Bhalla

Associate Professor

Learning Outcomes

After this lecture, you will be able to

- learn how to format name node on hadoop master

- learn how to start all hadoop services.

Introduction

Multiple Namenodes/Namespaces

Federation Configuration

Daemon	Configuration Parameter
Namenode	dfs.namenode.rpc-address dfs.namenode.servicerpc-address dfs.namenode.http-address dfs.namenode.https-address dfs.namenode.keytab.file dfs.namenode.name.dir dfs.namenode.edits.dir dfs.namenode.checkpoint.dir dfs.namenode.checkpoint.edits.dir
Secondary Namenode	dfs.namenode.secondary.http-address dfs.secondary.namenode.keytab.file
BackupNode	dfs.namenode.backup.address dfs.secondary.namenode.keytab.file

Format a namenode

hdfs namenode -format [-clusterId <cluster_id>]

Format a namenode

su Hadoop

$ cd /opt/hadoop/hadoop

$ bin/hadoop namenode –format

Reason for Hadoop Namenode – Format

- By default the namenode location will be at "/tmp/hadoop-myuser/dfs/name"

- While you formatting the namenode, this file location was cleared.

Reason for Hadoop Namenode – Format

To **change the namenode location** add the follwing

properties **At hdfs-site.xml**

```
<property>

<name>dfs.namenode.name.dir</name>

<value>file:/search/data/dfs/namenode</value>

</property>

<property>
```

Reason for Hadoop Namenode – Format

To **change the namenode location** add the follwing

<name>dfs.datanode.data.dir</name>

<value>file:/search/data/dfs/datanode</value>

</property>

Starting Hadoop Services.

cd ~/hadoop/sbin

- **start-dfs.sh**

  - stop-dfs.sh

  - start-mapred.sh

  - stop-mapred.sh

  - start-all.sh

  - stop-all.sh

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That's all for now…