1. What is Namenode’s URI and which file is it configured in?

[Resource - Uniform resource identifier ( URI )](https://datacadamia.com/web/resource/uri) in HDFS to locate a file. The [URI format](https://datacadamia.com/web/resource/uri) is [scheme://][authority]/path where:

* the scheme is optional.
* the path can be relative to the working directory. It is configured in core-site.xml.

1. Where on a local file system will Namenode store its image and which file is it configured in?

The entire file system namespace, including the mapping of blocks to files and file system properties, is stored in a file called the FsImage. The FsImage is stored as a file in the NameNode’s local file system too.The NameNode keeps an image of the entire file system namespace and file Blockmap in memory.

1. Where on a local file system will Datanode store its blocks and which file is it configured in?

Datanode is a block server that stores the data in the local file ext3 or ext4. By default the blocks are 128 MB in size. It can be manually configured in the file hdfs-site.xml.

1. What is the block replication and which file is it configured in?

HDFS stores each file as a sequence of blocks. The blocks of a file are replicated for fault tolerance. The default replication factor in HDFS is 3. It is configured in the file hdfs-site.xml