



#### Definitions:

- WAL Directory: The HDFS directory named for a given tablet server, in which it stores its logs.
- Tablet Reference: A WAL entry in the !METADATA table.

#### States:

- Open: The WAL file exists in the WAL Directory.
- In Use: The WAL file exists in the WAL Directory and at least one Tablet Reference exists.
- Full: The WAL file exists in the WAL Directory, at least one Tablet Reference exists, and the WAL file is read-only.
- Full Unreferenced: The WAL file exists in the WAL Directory, there are no Tablet References, and the WAL file is read-only.
- Clean: The WAL file has been removed from HDFS and no Tablet References exist.
- Failed Unreferenced: The tablet server that created the WAL file has no lock in zookeeper, the WAL file exists in the WAL Directory, and no Tablet References exist.
- Failed Referenced: The tablet server that created the WAL file has no lock in zookeeper, the WAL file exists in the WAL Directory, and at least one Tablet Reference exists.
- Recovery: The WAL file is somewhere in the process of being recovered.