

## TOMBSTONES

The minimum amount of time that must pass before a delete occurs

```
DESCRIBE user_transaction;
```

```
AND compaction = {'class': 'org.apache.cassandra.db.compaction.SimpleCompactionStrategy', 'max_threshold': '32', 'min_threshold': '4'}
AND compression = {'chunk_length_in_kb': '16', 'class': 'org.apache.cassandra.io.compress.LZ4Compressor'}
AND memtable = 'default'
AND crc_check_chance = 1.0
AND default_time_to_live = 0
AND extensions = {}
AND gc_grace_seconds = 864000
AND max_index_interval = 2048
AND memtable_flush_period_in_ms = 0
AND min_index_interval = 128
AND read_repair = 'BLOCKING'
AND speculative_retry = '99p';
```

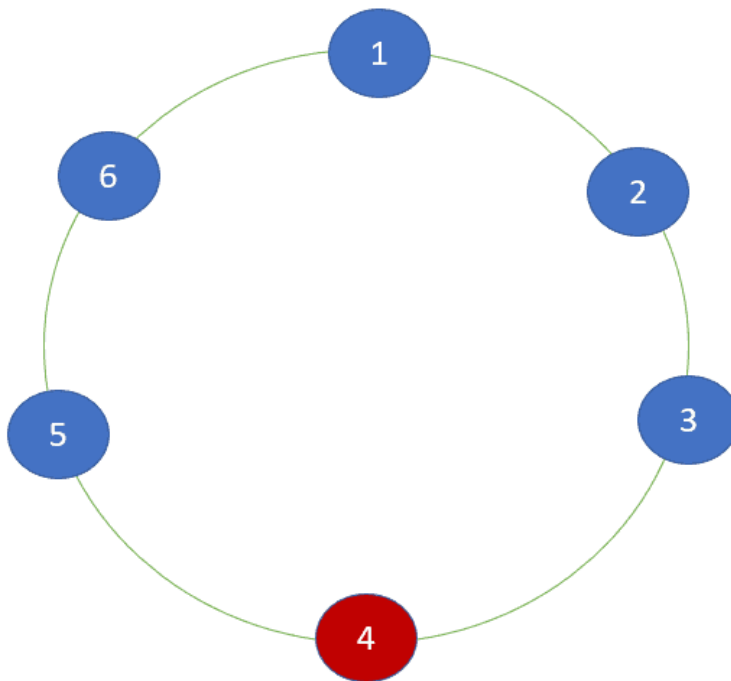
```
CREATE INDEX city_index ON user_transaction (city);
```

When you delete data, it is marked as “to be deleted” for 10 days. After 10 days, data is deleted from the disk.

### Reason of using this feature

If the data is deleted from the table, and if there are dead nodes in the cluster, there is a risk

When Dead nodes become available, it copies deleted data to other nodes. This creates a consistency risk



```
ALTER TABLE user_transaction WITH gc_grace_seconds = 20;
```

```
AND compression = {'chunk_length_in_kb': '16'  
a.io.compress.LZ4Compressor'}  
AND memtable = 'default'  
AND crc_check_chance = 1.0  
AND default_time_to_live = 0  
AND extensions = {}  
AND gc_grace_seconds = 20  
AND max_index_interval = 2048  
AND memtable_flush_period_in_ms = 0  
AND min_index_interval = 128  
AND read_repair = 'BLOCKING'  
AND speculative_retry = '99p';
```