

Backup & Restore

Backup Methods

- Node Backups
- MDC Cluster Backup
- Data Migrator

Node Backups

- rsync
- snapshots
- dir copy for Bitcask and eLevelDB
- GETs for memory backend
- Multi - specific approach per backend

Node Backups

- /var/lib/riak/
 - |_bitcask/
 - |_leveldb/
 - |_merge_index/
 - |_ring/
 - |_anti_entropy/
- /etc/riak
- /usr/lib/riak/lib/basho-patches

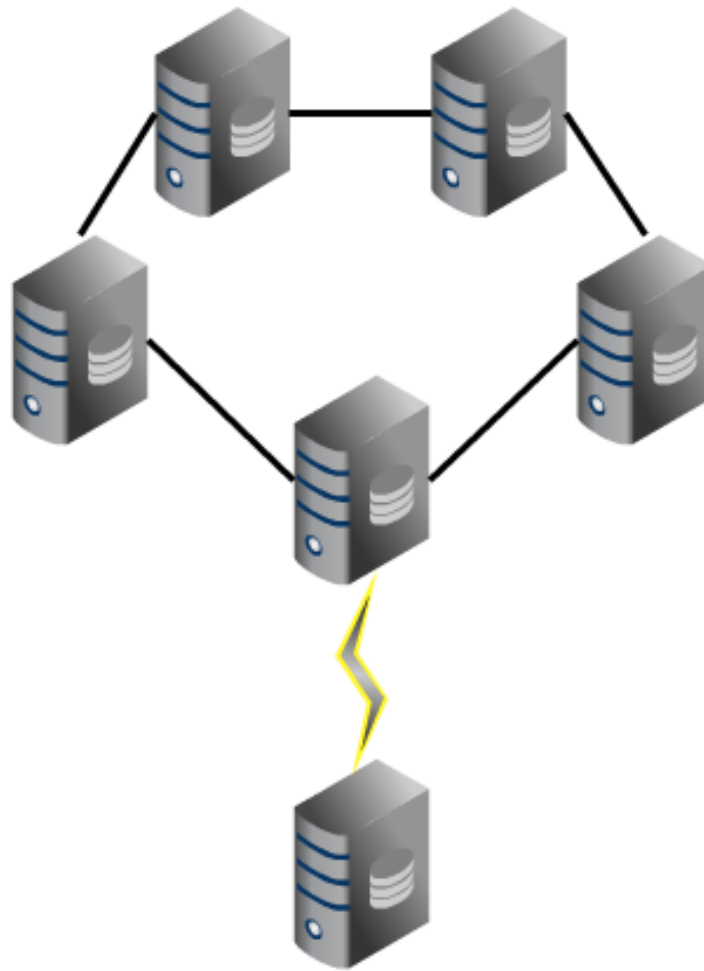
Restoring Node Backups

- Install Riak
- Restore Riak directories
- (rename ring dir)
- Join node to cluster
- Mark old node down
- Replace old node with new node

Restoring Node Backups

- `$ riak-admin cluster join riak@riak6.example.com`
- `$ riak-admin down riak@riak1.example.com`
- `$ riak-admin cluster force-replace
riak@riak1.example.com riak@riak6.example.com`
- `$ riak-admin cluster plan`
- `$ riak-admin cluster commit`

MDC Cluster Backup



Data Migrator

- github.com/basho/riak-data-migrator
- Java tool to export and import data
- Easy to use:
\$ java -jar riak-data-migrator-0.2.6.jar [options]