

Bucardo in 5 minutes

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Trigger-based replication

- DML triggers on every replicated table
- Signaling triggers using NOTIFY
- Separate “control” database
- PK/transaction time based, but can also ‘fullcopy’ replicate tables without PK

Master-slave

- pushdelta or fullcopy syncs
- Lightweight: No triggers on slave database
- Slave is writable :)

Master-master

- swap syncs
- Can specify 'source' or 'target' default conflict resolution
- Custom code hooks

Example setup

```
bucardo_ctl install
```

```
bucardo_ctl add db test name=master
```

```
bucardo_ctl all tables herd=all
```

```
bucardo_ctl add all sequences herd=all
```

```
bucardo_ctl add db test name=slave
```

```
bucardo_ctl add sync pushdelta_test \  
    source=all targetdb=slave type=pushdelta
```

```
bucardo_ctl start
```

Caveats

- No windows support
- No explicit failover support
- No smooth DDL handling
- No locking of slaves

Production ready?

- 90,000 transactions per minute
- Could use a regression testing environment
- Would like to add in performance testing
- Rackspace is offering hosting

More information

<http://bucardo.org/wiki/Bucardo>

http://github.com/selenamarie/bucardo_examples