

# Staying alive 24/7

## Database Changes with Zero Downtime



Operate

#### Live Deployments changes how we approach Database Changes



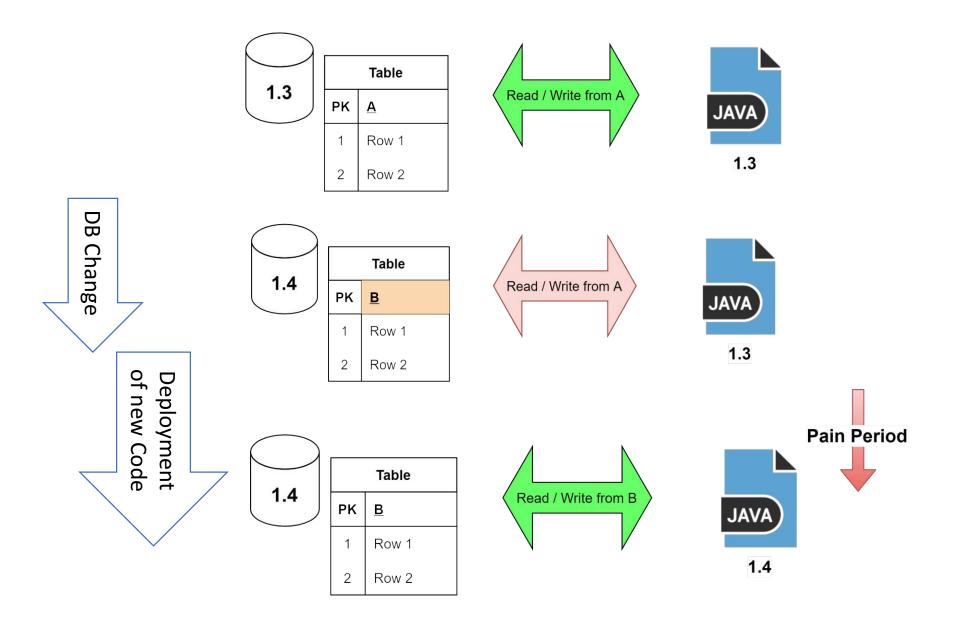
### Dangers of Zero Downtime



Database Changes and Code Changes won't happen at the same time

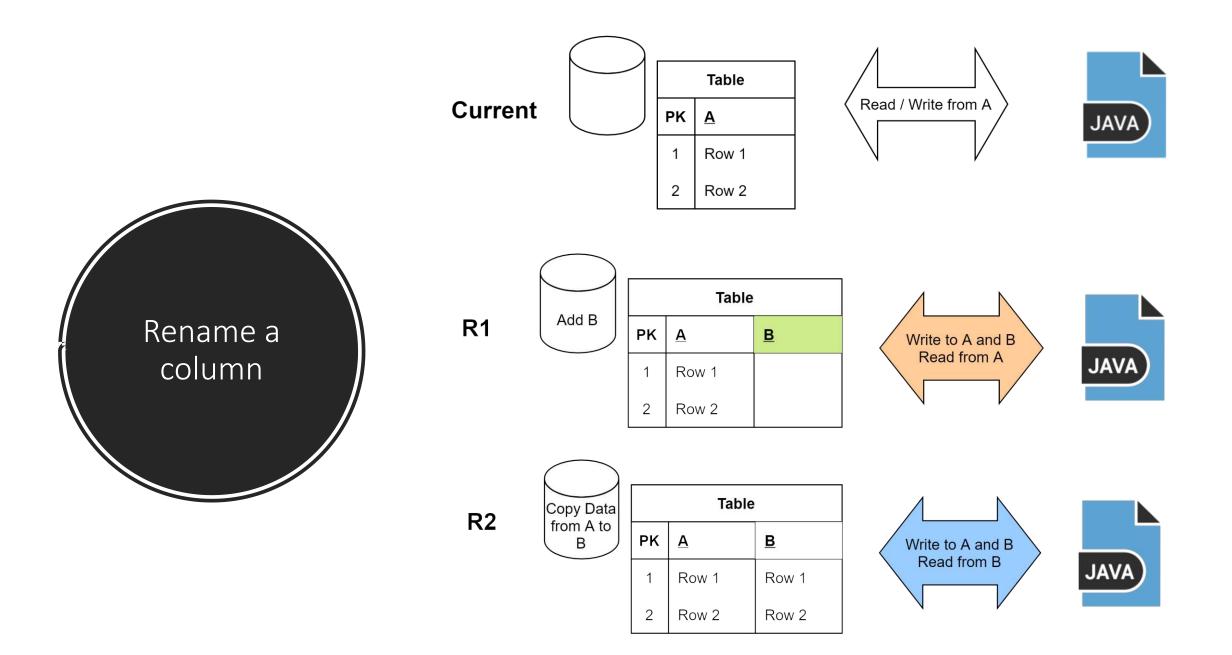


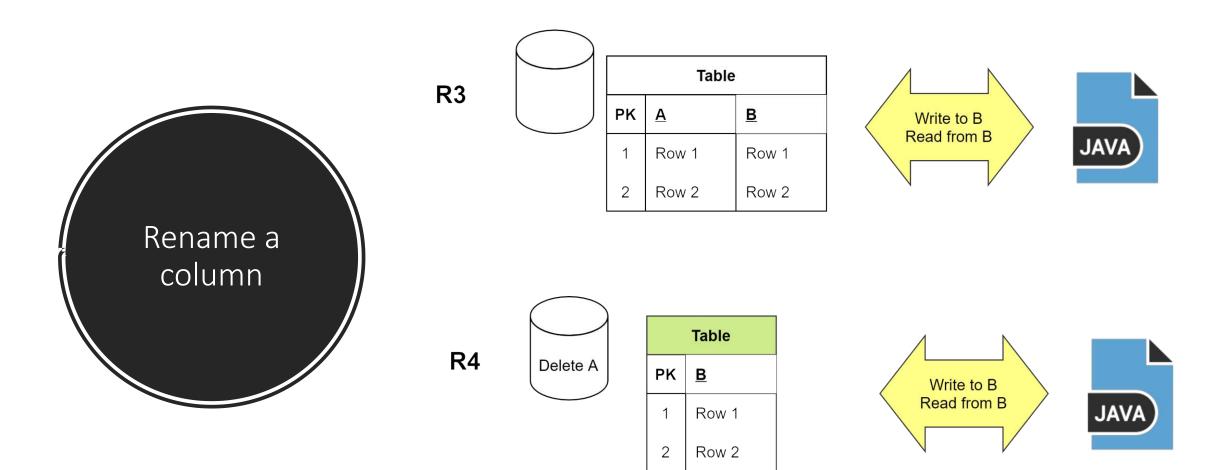
Your code may not be compatible with the new database schema

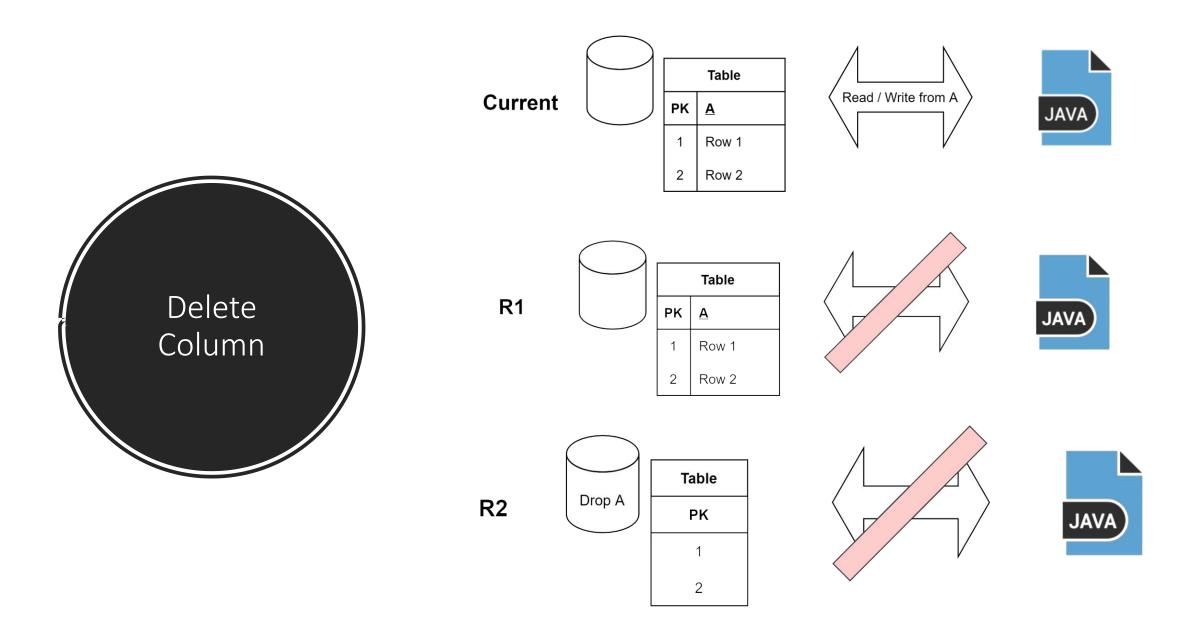


### Examples

- Rename Column
- Delete Column







#### Lessons learned from Zero Downtime

- Database and Code have to be in agreement
- Take baby steps
- Make sure your changes are backwards compatible with the code



## Questions



#### Contact

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