

Hardware Layer Concerns

- > The database can't guarantee data integrity on its own
- > Bit flips are common, use ECC RAM (and ZFS!)
- > Streaming replication or snapshots to do offsite-backups
- > Synchronizing clocks between systems is very hard

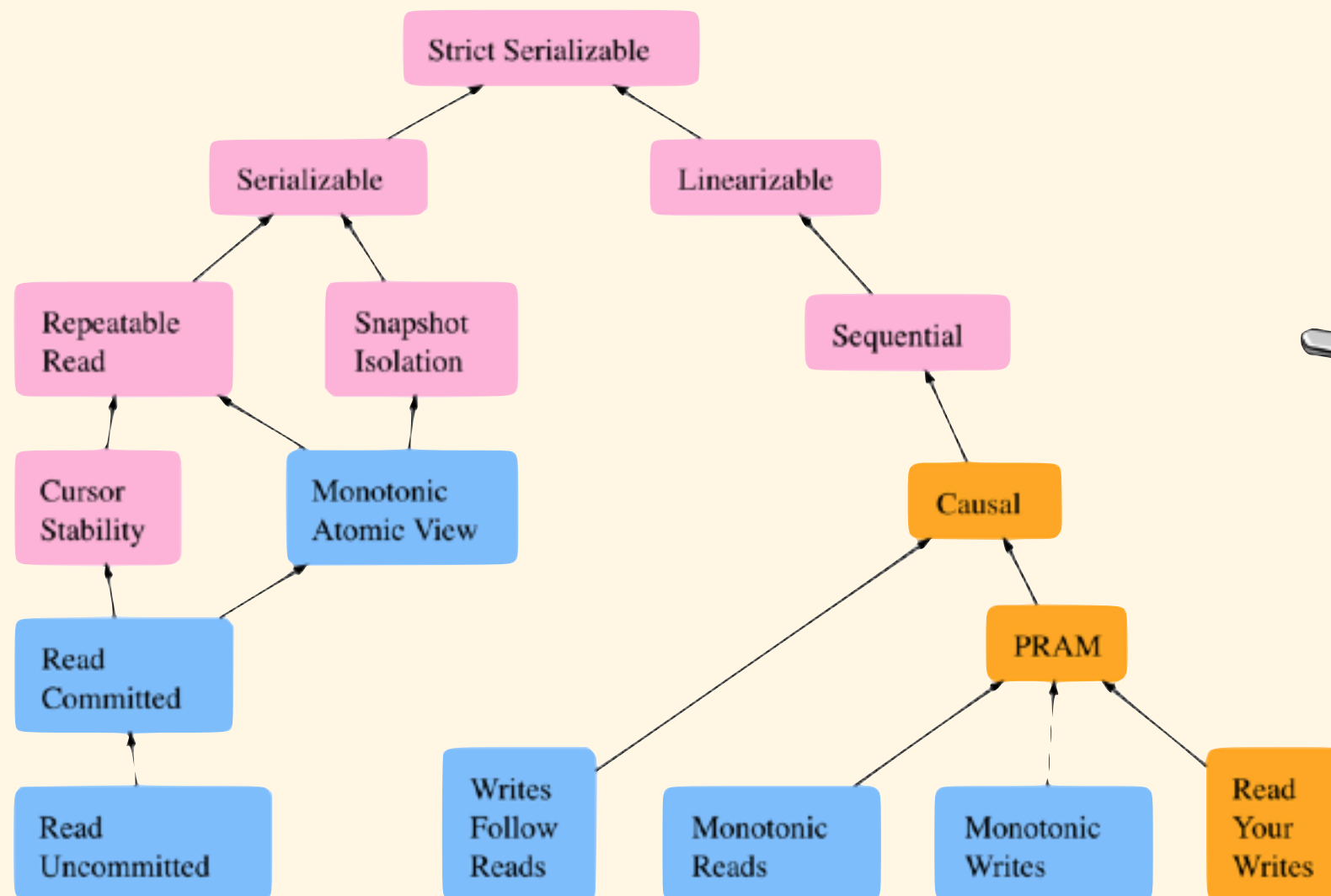
OFFSITE BACKUPS. OFFSITE BACKUPS. SET UP YOUR OFFSITE BACKUPS.
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Database Isolation Levels

In some modes, partial transaction state can leak into other threads.

```
DATABASES = {  
    'OPTIONS': {  
        'isolation_level':psycopg2.extensions.ISOLATION_LEVEL_SERIALIZABLE,
```



Highly complex topic, much more info can be found elsewhere...