

# X. Dev/Prod Parity

## What is a dev/prod disparity?

Since the beginning of time, there have been substantial gaps between development and production.

- Time Gap: A developer may work on code that takes days, weeks, or even months to go into production.
- Personnel Gap: Developers write code, ops engineers deploy it.
- Tools Gap: Developers may be using a stack like Nginx, SQLite, and OS X, while the production deploy uses Apache, MySQL, and Linux.

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The twelve-factor app is designed for continuous deployment by keeping the gap between development and production small.

- Time Gap: A developer may write code and have it deployed hours or even just minutes later.
- Personnel Gap: Developers who wrote code are closely involved in deploying it and watching its behavior in production.
- Tools Gap: Keep development and production as similar as possible.