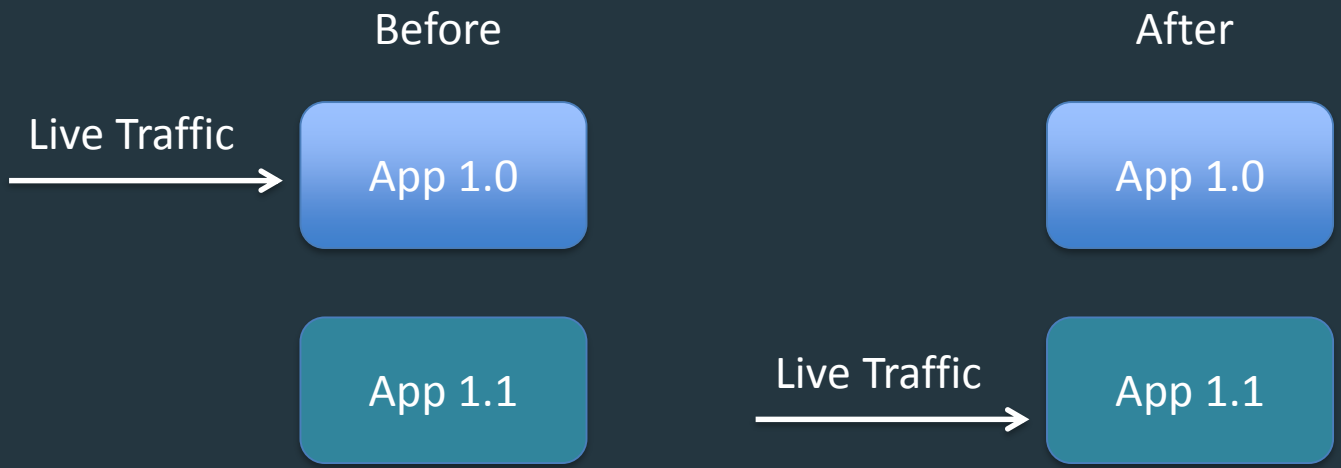
Blue-Green Deployments

Agenda

1. Blue-Green Routing
2. Implications on App Design

Blue-Green Deployment

Zero downtime when upgrading can be accomplished with blue-green deployments.



Blue-Green Deployment

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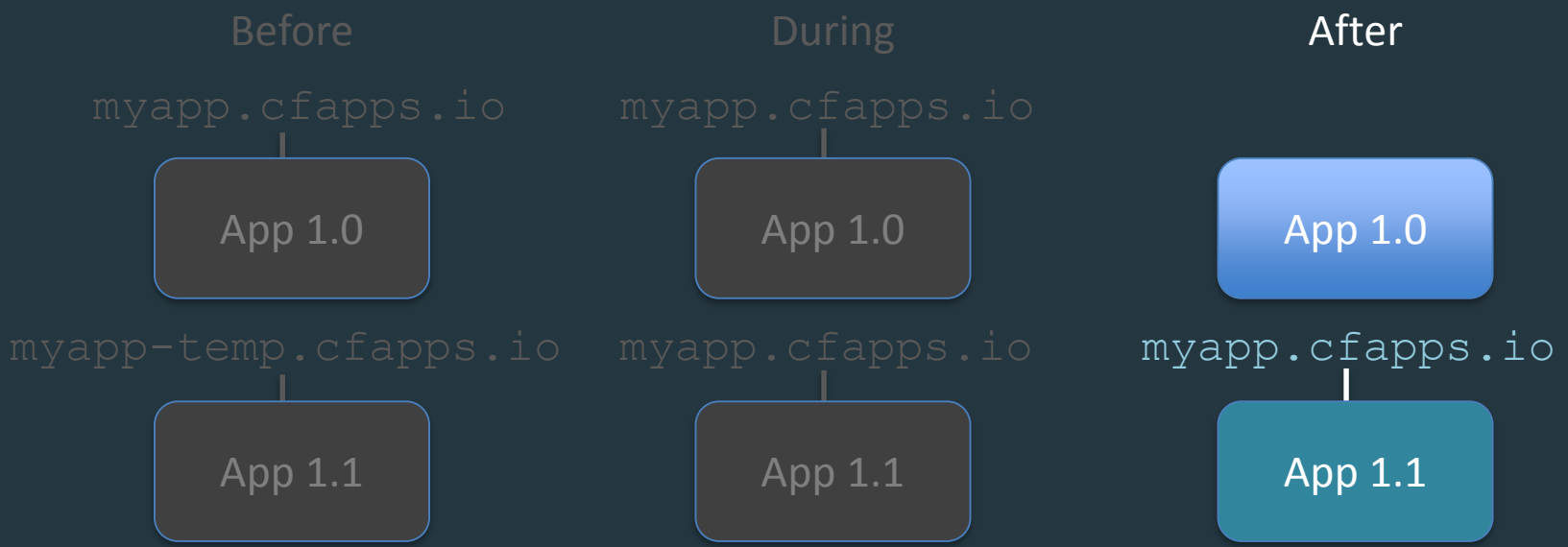

Agenda

1. Blue Green Routing
2. Implications on App & Data Model Design

If using serializing objects, don’t make destructive changes.

e.g. don’t remove fields, do have a `serialVersionUID`

The 12 Factors

Codebase	Dependencies	Config	Backing Services
Build, release, run	Processes	Port binding	Concurrency
Disposability	Dev/prod parity	Logs	Admin Processes

Admin Processes

Run admin/mgmt tasks as one-off processes.

e.g. migrating data

Do make changes idempotent.

e.g. copy data to a new field (don’t delete data)

Database

No destructive database changes allowed.

e.g. don’t drop a column

Do have backwards compatible changes.

e.g. nullable fields

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