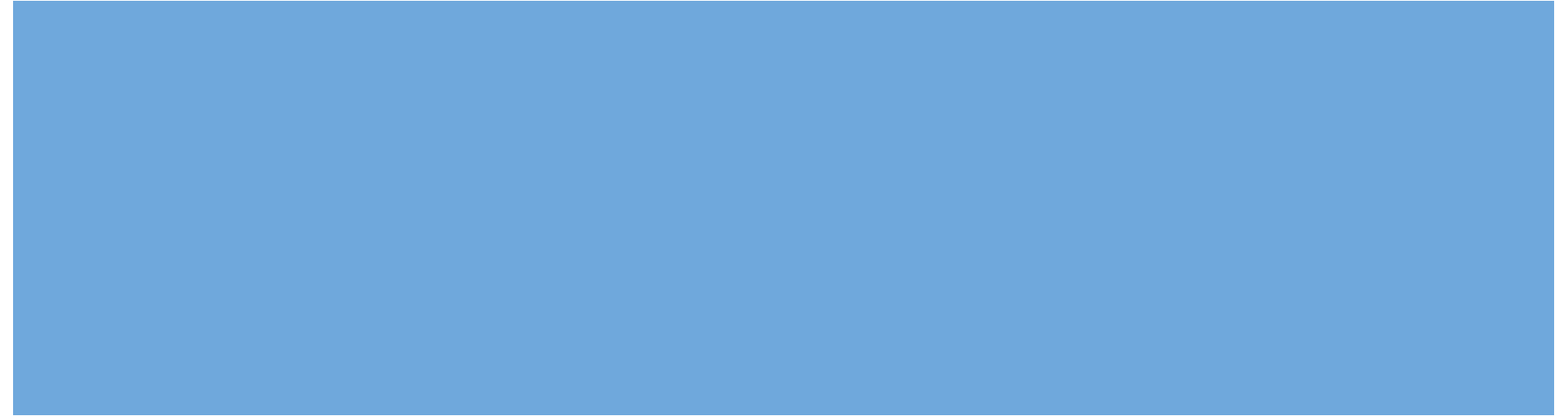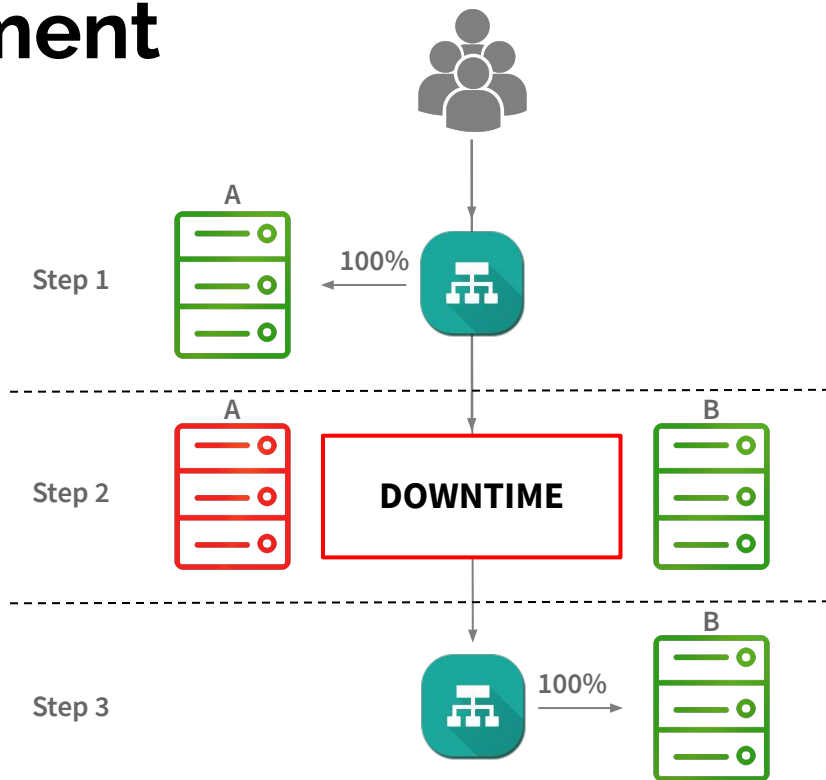# Comparison of two deployment strategies
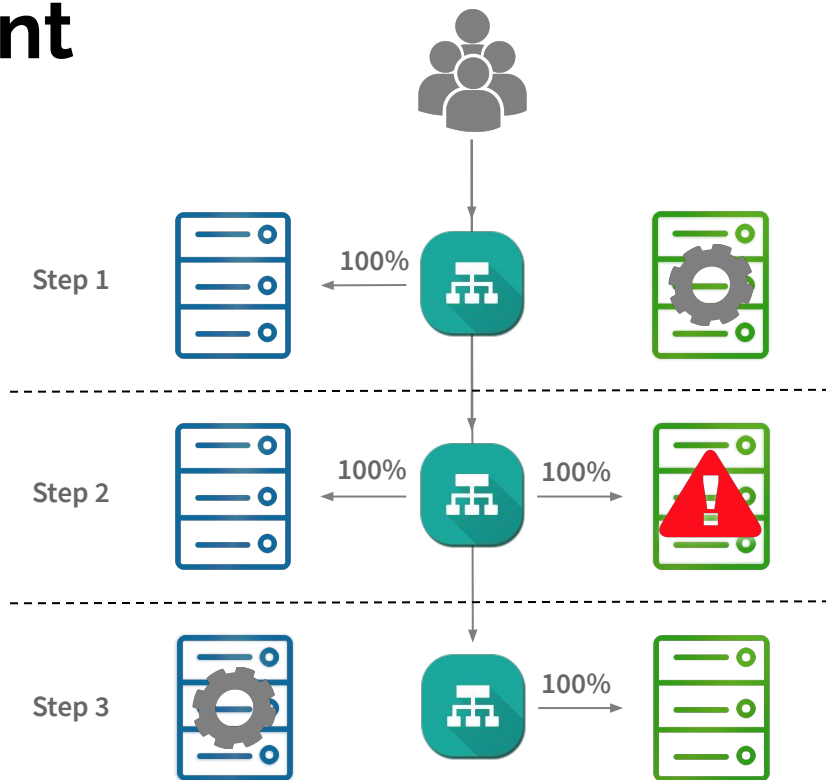
Johan von Hacht & David Johansson

Importance of deployment

- Recreate deployment

- Downtime
  - Annoying for users
  - Can be costly

- Minimise downtime
- Minimal impact on users
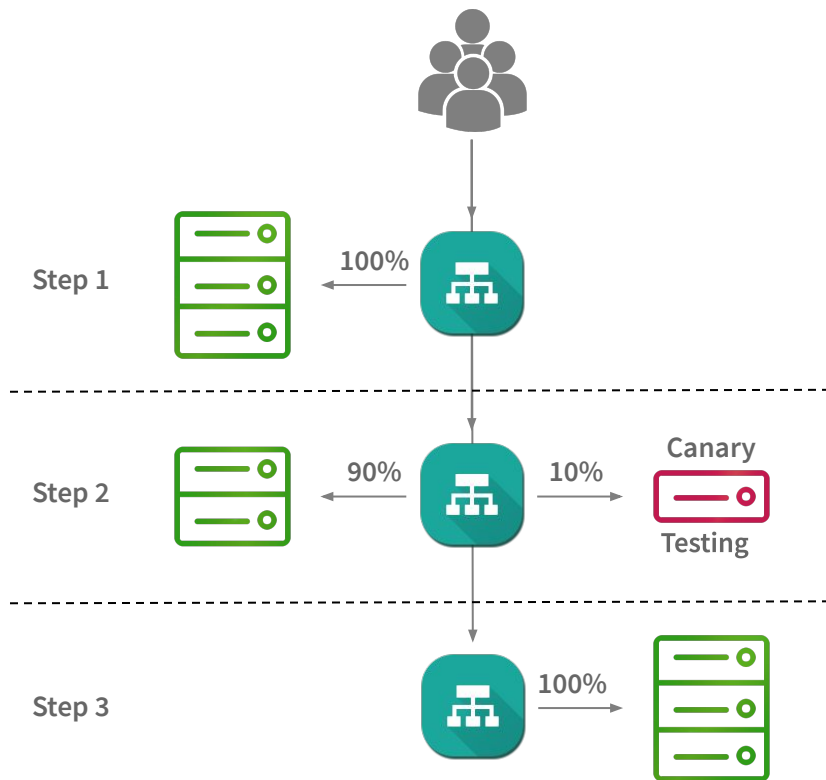- Handle failed deployments

Blue/green deployment

- Two environments
  - Production
  - Staging

- Instant rollout
- Instant rollback

- Need double the resources
- Risky if lacking in tests

Canary deployment

- Canary server

- No downtime
- Less resources used
- Tested in production

- Time to complete deploy

Comparison

	Blue/Green deployment	Canary deployment
No downtime	✔	✔
Instant rollout	✔	
Instant rollback	✔	✔
Simpler	✔	
Not resource-intensive		✔
Risk-averse		✔

Take-home message

Take time tailoring the deployment of your application to your own needs as available strategies makes just that possible

More strategies outlined here:
https://thenewstack.io/deployment-strategies/