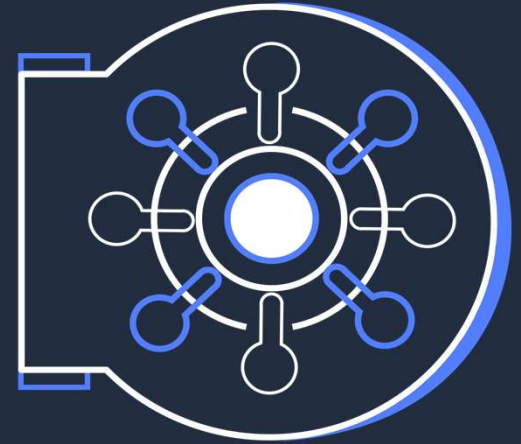


AWS TECHSHIFT

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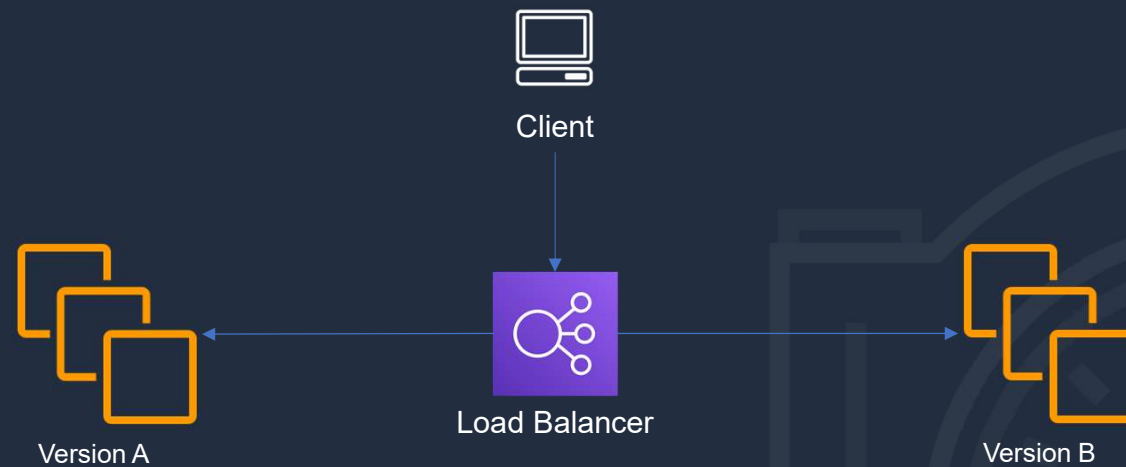
Deployment Strategies

A deployment strategy is a way to **change** or **upgrade** an application. The aim is to make the change **without downtime** in a way that the user **barely notices** the improvements.

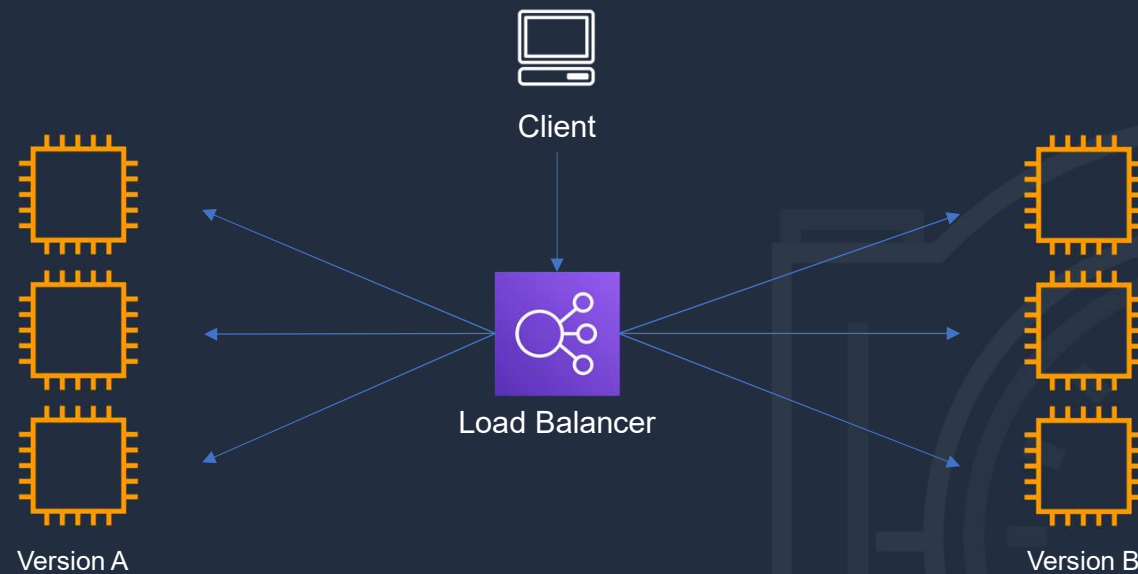
Recreate
Ramped
Blue/Green
Canary
Shadow



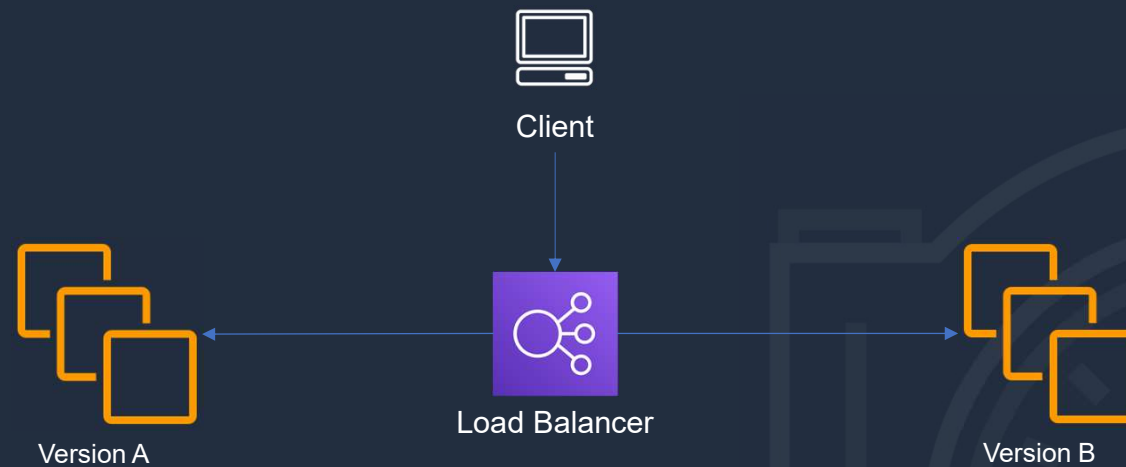
Version A is terminated then version B is rolled out.



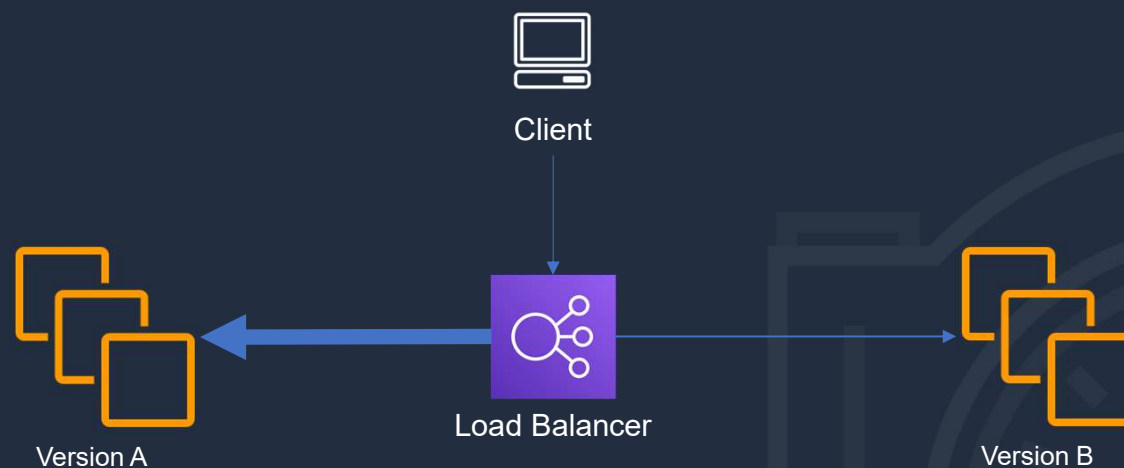
Version B is slowly rolled out and replacing version A.



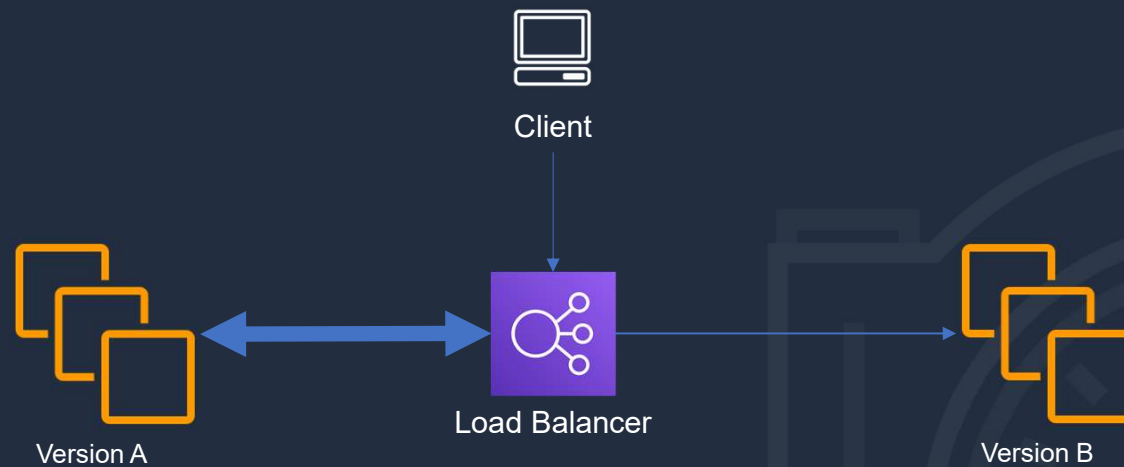
Version B is released alongside A, then the traffic is switched to version B.



Version B is released to a subset of users, then proceed to a full rollout.



Version B receives real-world traffic alongside version A and doesn't impact the response.



- All at once – Deploy the new version to all instances simultaneously.
- Rolling – Deploy the new version in batches.
- Rolling with additional batch – Deploy the new version in batches, but first launch a new batch of.
- Immutable – Deploy the new version to a fresh group of instances by performing an immutable update.

- Rolling Update - Deploy the new version by adding additional tasks and then removing the existing tasks.
- Blue/Green Deployment with CodeDeploy – Deploys the new version and routes traffic to it. The existing version is not shutdown until the new version is stable.
- External Deployment - Enables you to use any third-party deployment controller for full control over the deployment process for an Amazon ECS service.

End