

General HA Best Practices

1. Avoid single points of failure
2. Always place one of each component (load balancers, app servers, databases) in at least two AZs
3. Maintain sufficient capacity to absorb AZ / cloud failures
4. Replicate data across AZs and backup or replicate across clouds/regions for failover
5. Setup monitoring, alerts and operations to identify and automate problem resolution or failover process
6. Design stateless applications for resilience to reboot / relaunch

Multi-AZ Example

