

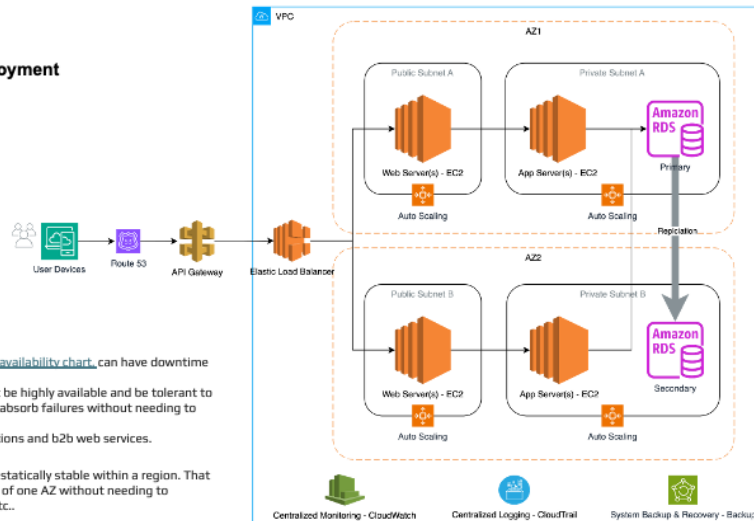
A Business-Critical Application

For a 99.99% (4-9s) HA Deployment

Application Characteristics

- 4-9s HA applications according to [availability chart](#), can have downtime of about 52 mins/year.
- Business-critical applications must be highly available and be tolerant to component failures and be able to absorb failures without needing to procure component failures.
- Examples are e-commerce applications and b2b web services.

We should design this by being able to be statically stable within a region. That means we need to be able to tolerate loss of one AZ without needing to provision new capacity or changing DNS etc..



Source:

- <https://medium.com/becloudy/architecting-for-reliability-part-3-high-availability-architectures-8dfd0f87d25e>
- <https://aws.amazon.com/blogs/startups/how-to-get-high-availability-in-architecture/>
- <https://docs.aws.amazon.com/wellarchitected/latest/reliability-pillar/example-implementations-for-availability-goals.html>
- <https://docs.aws.amazon.com/wellarchitected/latest/reliability-pillar/example-implementations-for-availability-goals.html>