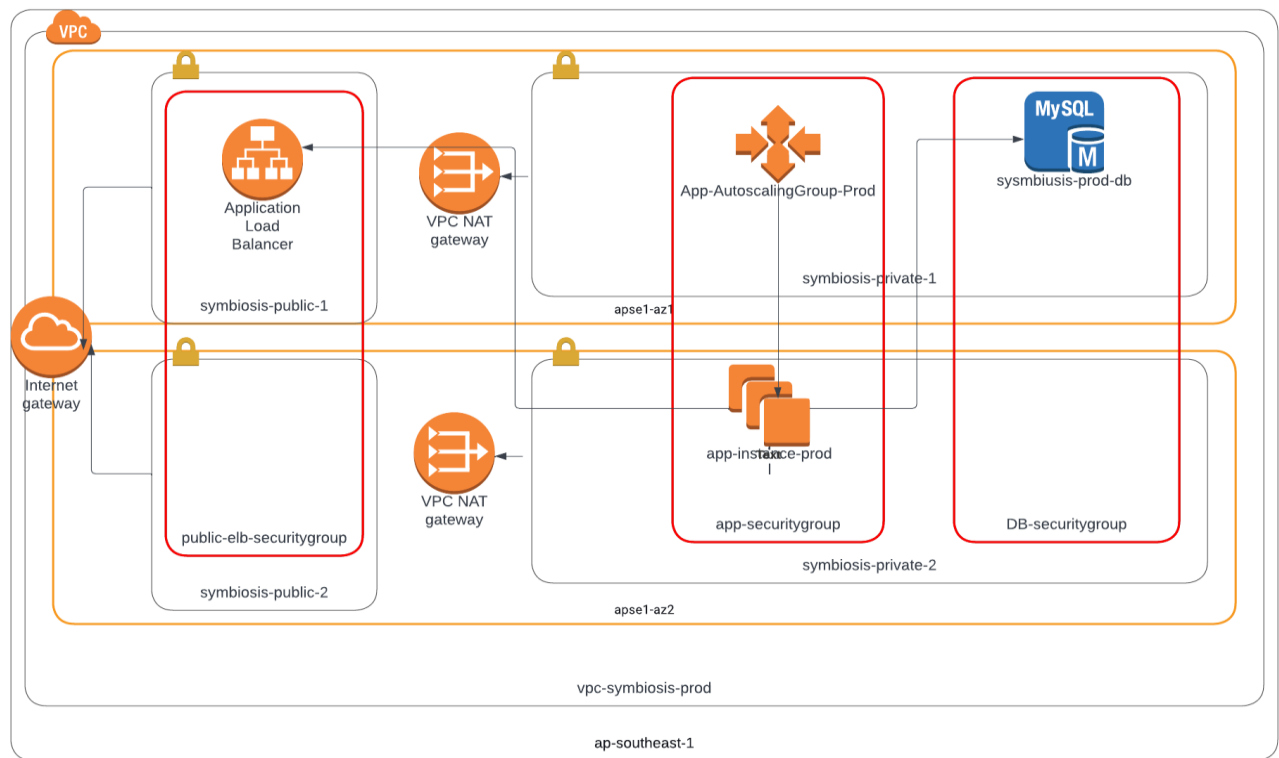Sakitha DeSilva

Symbiosis Application Deployment Solution

Sakitha DeSilva

Design Diagram

Security Group Configuration

Security Group Name	Inbound	Outbound
public-elb-securitygroup	80,443	app-securitygroup
app-securitygroup	80,22	All
db-securitygroup	app-securitygroup ,1433	

Deployment

Application deployment CodeDeploy can be used. Gitlab can be used as a source repository, and Each application version branch should be created. This version specific branch will be mapped to production environment.

Recommendation & Assumption

For provide HA this solution has configured to use two availability zones in Singapore region.

According to Scenario it allows only http traffic on public facing alb. But instead of http it should only allows https.

For scaling by checking application load and performance constrains autoscaling policy can be implemented. For infrastructure provisioning cloud formation is recommending.