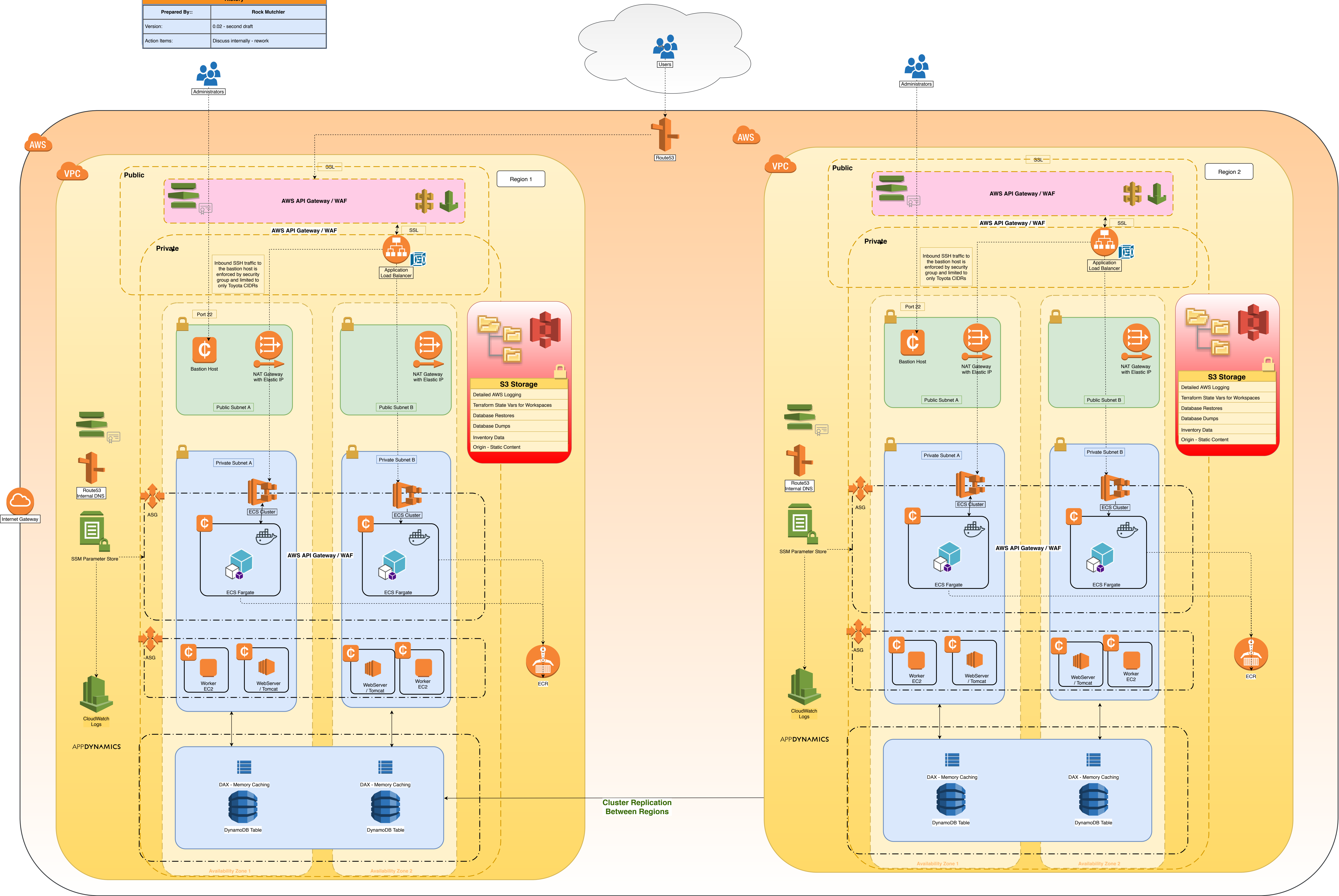


Application Platform

This is the basic / core layout of the application framework.



History	
Prepared By::	Rock Mutchler
Version:	0.02 - second draft
Action Items:	Discuss internally - rework



Legend

- Public Subnet** - Public facing ALB, Bastion Instance, and NAT gateways reside in this subnet. Bastion in this subnet is protected by security group and only allows incoming connectivity from CIDRs from Toyota.
- Private Subnet** - No direct internet access. All internet access is through the NAT gateway instances in the public subnet. Each DevOps tool will be deployed within these subnets. All traffic must go through the ALB which is protected using security groups, specific listeners, and specific listener rules to route traffic to target groups within the private subnets.
- Availability Zone** - The ECS cluster instances and Aurora RDS instances have increased resiliency by being created in multiple AZs. Each public and private subnet will be created in 3 different AZs.
- AWS Regions** - In order to keep SLA's in network location / region outages as well as response times to clients it is necessary to have multiple regions .
- Traffic Flow** - Tall traffic flow is depicted with dotted arrows. Ports are specified on the architecture diagram itself. Most of the DevOps tools will be accessed with HTTPS, so 443 is typically the port that will be used for end users.