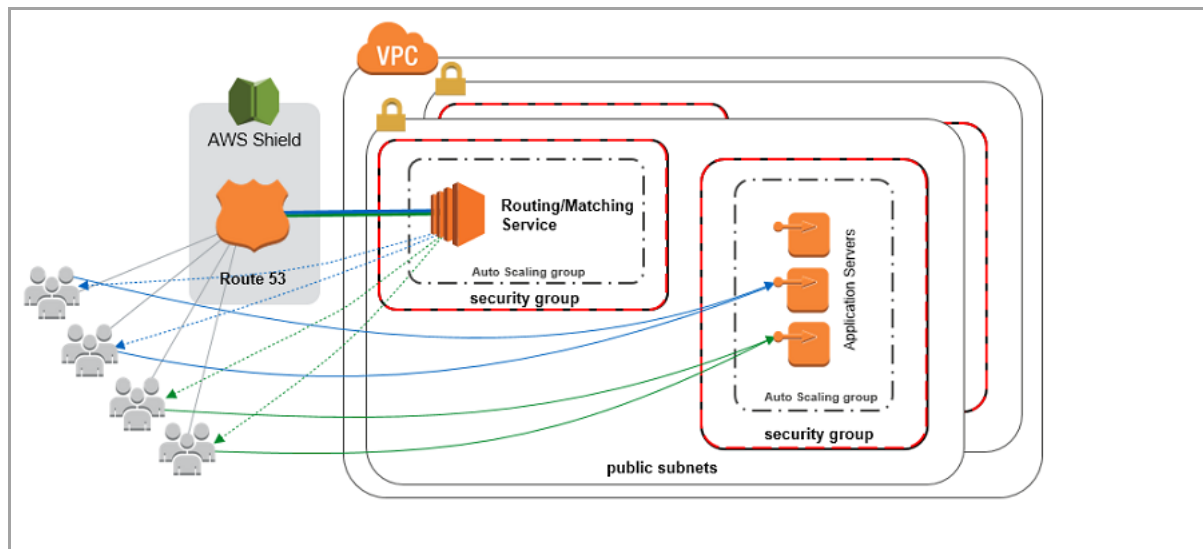


AWS - Shield

- AWS Shield is a managed
 - Distributed Denial of Service (DDoS) protection service that safeguards applications running on AWS.
- AWS Shield provides always-on detection and automatic inline mitigations that minimize application downtime and latency, so there is no need to engage AWS Support to benefit from DDoS protection.
- There are two tiers of AWS Shield -
 - Standard and
 - Advanced.
- **AWS Shield Standard**
 - Applies always-on detection and inline mitigation techniques, such as deterministic packet filtering and priority-based traffic shaping, to minimize application downtime and latency.
 - All AWS customers benefit from the automatic protections of AWS Shield Standard, at no additional charge.
 - AWS Shield Standard defends against most common, frequently occurring network and transport layer DDoS attacks that target your web site or applications.
 - When you use AWS Shield Standard with
 - Amazon CloudFront
 - Amazon Route 53,
 - Elastic Load Balancing
 - You receive comprehensive availability protection against all known infrastructure (Layer 3 and 4) attacks.
- **AWS Shield Advanced**
 - AWS Shield Standard plus
 - Detailed notification of the recent layer attacks to your AWS resources such as SYN floods and UDP reflection attacks.
 - Also includes AWS DDoS Response Team (DRT) that support experts who apply manual mitigations for more complex and sophisticated DDoS attacks



References:

<https://docs.aws.amazon.com/waf/latest/developerguide/waf-which-to-choose.html>

<https://aws.amazon.com/answers/networking/aws-ddos-attack-mitigation/>

Check out this AWS Shield Cheat Sheet:

<https://tutorialsdojo.com/aws-cheat-sheet-aws-shield/>