



AWS Shield

AWS Shield is a managed Distributed Denial of Service (DDoS) protection service that safeguards applications running on AWS, and it can be applied to critical AWS resources such as load balancers, CloudFront distributions, and Route 53. Now AWS Shield comes in two flavors, both of which are pretty self-explanatory: **AWS Shield Standard** and **AWS Shield Advanced**.

AWS Shield Standard, which is automatically included at no extra cost for all AWS customers, provides protection against common, smaller-scale network and transport layer DDoS attacks, ensuring continuous availability of your applications.

AWS Shield Advanced on the other hand, is designed for DDoS attacks of a greater sophistication and larger scale and offers more enhanced features compared to AWS Shield Standard, including more advanced attack detection, near-real-time attack visibility, and tailored mitigations to reduce application downtime. Additionally, opting into the service also provides us with **24/7 access to the AWS DDoS Response Team (DRT)**, a team of DDoS and AWS experts who can engage in real time to assist with threat mitigation and offer detailed post-attack diagnostics.

TLDR;

AWS Shield provides us with protection against Distributed Denial of Service (DDoS) attacks.