



Architecture Diagrams

Hosting Adobe Experience Manager on AWS



Hosting Adobe Experience Manager on AWS: Architecture Diagrams

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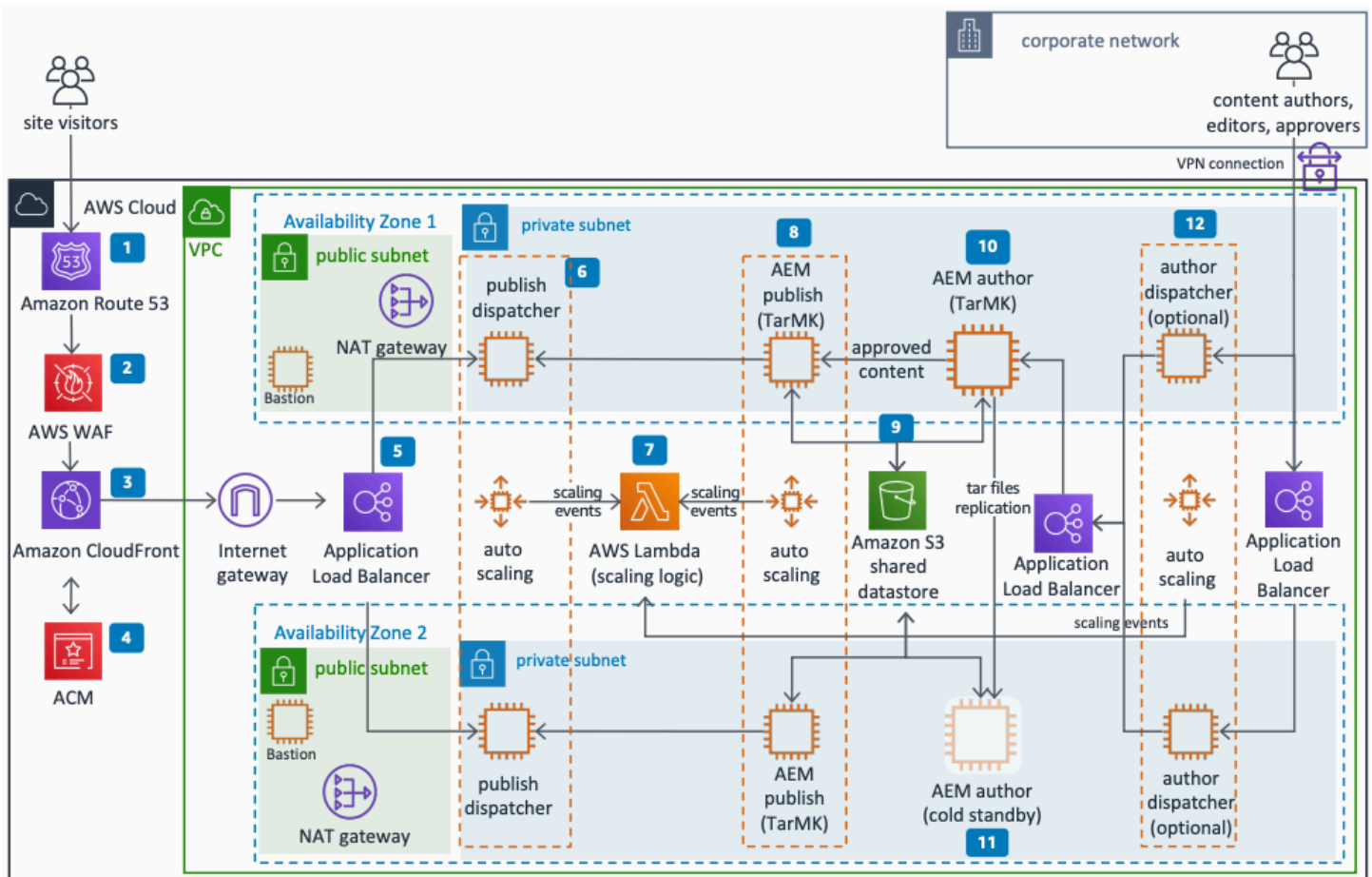
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Hosting Adobe Experience Manager on AWS

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With this architecture, you can deploy Adobe Experience Manager (AEM) on AWS. The solution uses [Amazon Route 53](#) for DNS, [AWS WAF](#) for web application protection, [Amazon CloudFront](#) for content delivery, and [Amazon Elastic Compute Cloud](#) for compute.

Hosting Adobe Experience Manager on AWS diagram



The following steps describe the architecture:

1. Amazon Route 53 provides DNS configuration for the AEM deployment.
2. AWS WAF protects AEM against common web exploits.
3. Amazon CloudFront is a content delivery network (CDN) that speeds distribution of static and dynamic web content.

4. [AWS Certificate Manager](#) (ACM) provisions, manages, and deploys public and private SSL certificates for AEM.
5. An internet-facing Application Load Balancer distributes traffic to AEM dispatcher instances across multiple Availability Zones.
6. The AEM dispatcher on Amazon EC2 is an Apache httpd-based static webserver that provides caching, load balancing, and application security. We recommend Amazon EBS I/O optimized volumes. Each dispatcher maps to a publish instance 1:1 per Availability Zone.
7. [AWS Lambda](#) provides scaling logic for scale up and scale down events. Use Lambda to pair and unpair dispatcher-publish instances and update replication agents.
8. AEM publish is an AEM installation on Amazon EC2 that serves published content. Publish uses TarMK as a node store.
9. [Amazon Simple Storage Service](#) (Amazon S3) is the preferred shared datastore for binary content for AEM publish and author instances. Use a VPC endpoint for private access to Amazon S3.
- 10AEM author is an AEM installation on Amazon EC2 that you use to author content and administer the website. TarMK on Amazon EBS is preferred. Use a MongoDB node store for scalability.
- 11AEM author cold standby provides high availability. Lambda automates failover logic.
- 12(Optional) Author-dispatcher instances on Amazon EC2 improve authoring performance with caching disabled.

Further reading

For additional information, see the following resources:

- [AWS Architecture Icons](#)
- [AWS Architecture Center](#)
- [AWS Well-Architected](#)

Diagram history

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[Initial publication](#)

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