



AWS Webpage Documentation

Hello, and welcome to your Azul AWS Webpage Documentation! We just slapped Azul on here but do not own any native tools to involved in this software! This guide will enumerate the services needed to setup/recreate and update the webpage, as well as their purpose. These steps will be split into sections of this document, with visuals and descriptions to illustrate all steps needed to complete environment setup.

The components are primarily AWS Services employed for orchestrating the creation and hosting of a secure webpage online. These components will be covered in individual chapters within this document.

For any questions about this guide, or in relation to the AzulVM, please contact Rohit Narayan, lead Cloud Engineer, CEO, and only employee of Azul Cloud Services. Email at rohitnarayandaboss@azulcloud.com or call at 444-444-4444.

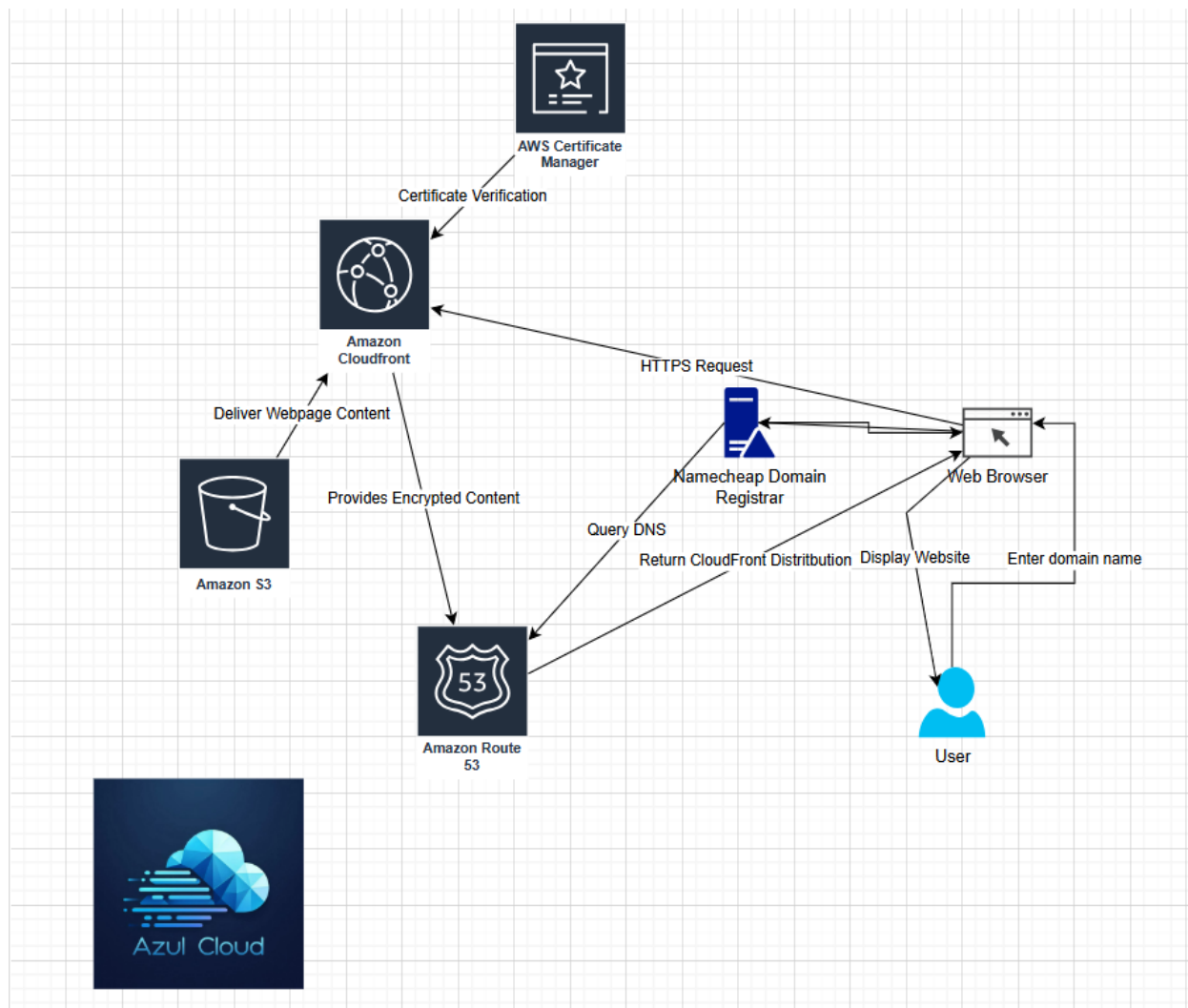
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Prerequisites

- AWS Account with appropriate permissions
- Registered domain name (e.g., through Namecheap)
- Website content ready for deployment, HTML used in our example

Service Architecture



1. Amazon S3

Amazon Simple Storage Service (S3) serves as the foundation of your website hosting infrastructure. This service provides available and durable object storage, making it ideal for hosting our static website content. S3's ability to serve web content directly makes it perfect for static website hosting while maintaining high availability and scalability for an Azul Webpage.

2. Amazon Route 53

Route 53 functions as your DNS web service, providing highly available and scalable domain name system (DNS) management. This service handles the critical task of translating your domain name into IP addresses that computers can understand, ensuring your Azul Webpage is accessible to users worldwide on the Internet.

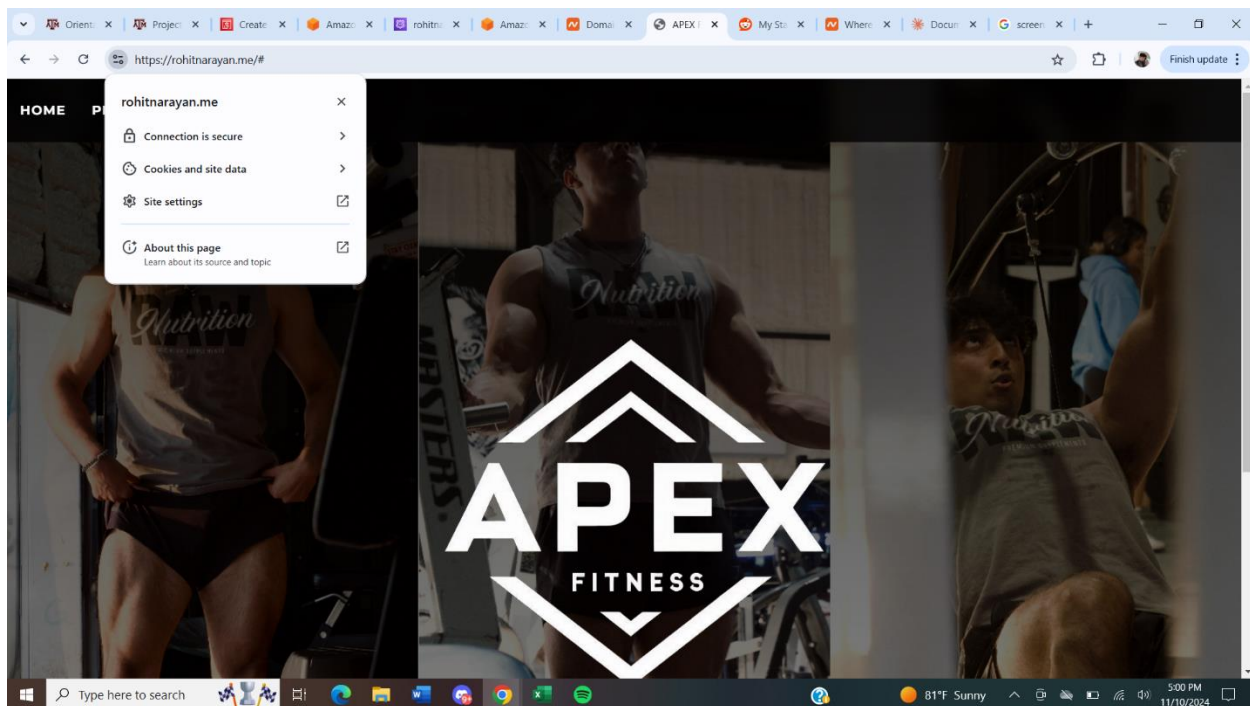
3. AWS Certificate Manager (ACM)

The Certificate Manager handles the provisioning and management of the SSL certificate. These certificates are essential for securing your website's traffic through HTTPS encryption, protecting data in transit and building trust with users accessing your site. ACM integrates seamlessly with other AWS services to provide automated certificate renewal and deployment, ready in very little time.

4. Amazon CloudFront

CloudFront operates as your content delivery network (CDN), distributing your website content globally through a network of edge locations. This service significantly improves your website's performance by caching content closer to users and provides additional security features through integration with ACM for HTTPS encryption, making your Azul Webpage secure and accessible all in one service.

Example Webpage Visual



*Example client Azul Webpage with security demonstration.