

Architecting for Reliability on AWS

COURSE INTRODUCTION



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Architecting for Reliability on AWS


AWS Well-Architected

Learn, measure, and build using architectural best practices

[AWS Architecture Center](#)[This is My Architecture](#)[AWS Answers](#)[AWS Solutions](#)[Case Studies](#)[Cloud Security](#)


AWS Well-Architected

The Well-Architected framework has been developed to help cloud architects build the most secure, high-performing, resilient, and efficient infrastructure possible for their applications. This framework provides a consistent approach for customers and partners to evaluate architectures, and provides guidance to help implement designs that will scale with your application needs over time.



Build and deploy faster

Stop guessing capacity needs, test systems at scale, and use automation to make experimentation easier by building cloud-native architectures.




Lower or mitigate risks

Understand where you have risks in your architecture, and address them before your applications are put into production.



Make informed decisions

Determine how architectural decisions and/or trade-offs might impact the performance and availability of your applications and business outcomes.

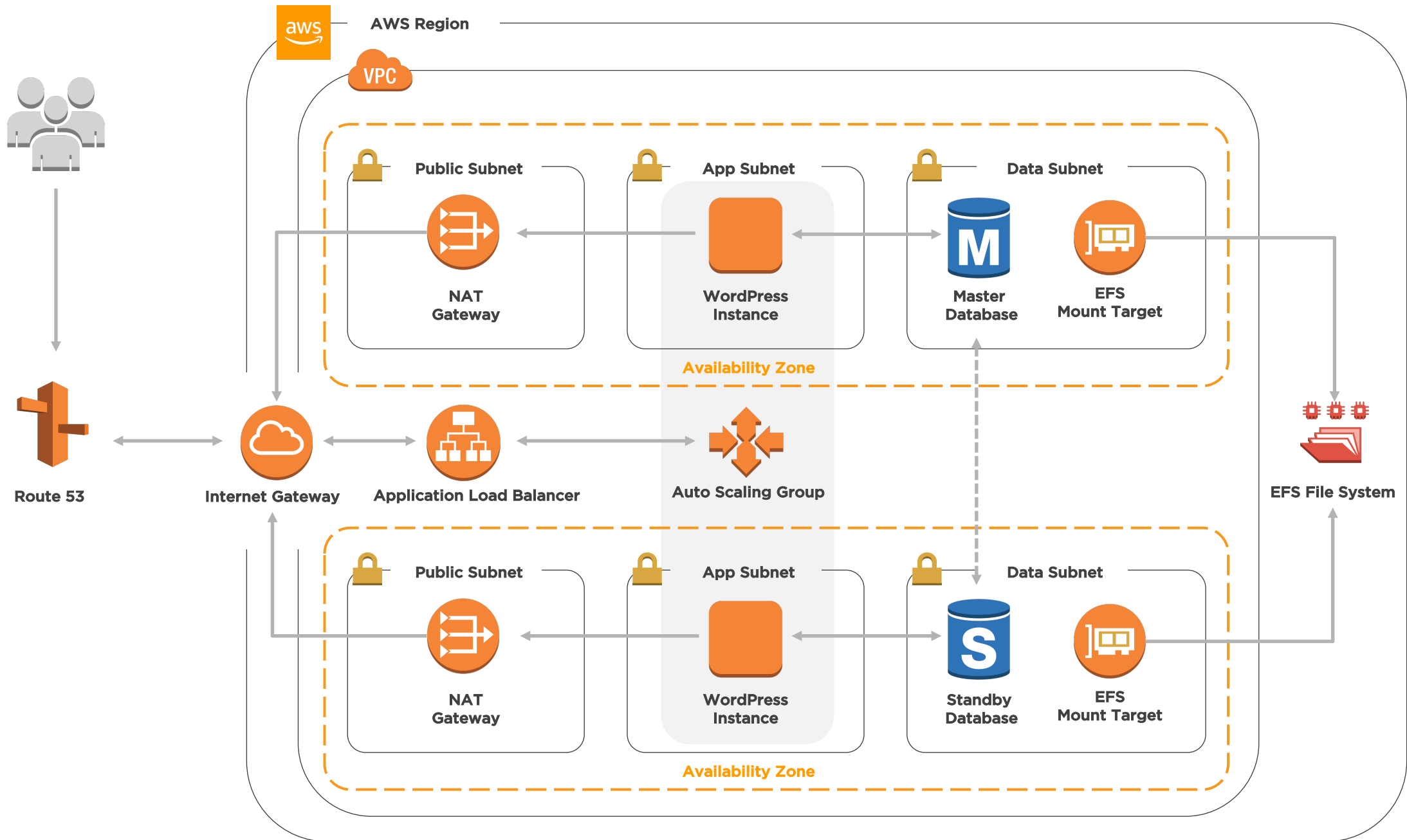


Learn AWS best practices

Access training and whitepapers that provide guidance based on what we have learned through reviewing thousands of customers' architectures on AWS.

<https://aws.amazon.com/architecture/well-architected/>





What we will
cover in this
course

Key Concepts and Core Services

Architecting for Availability and Fault Tolerance

Architecting Reliable Virtual Networks

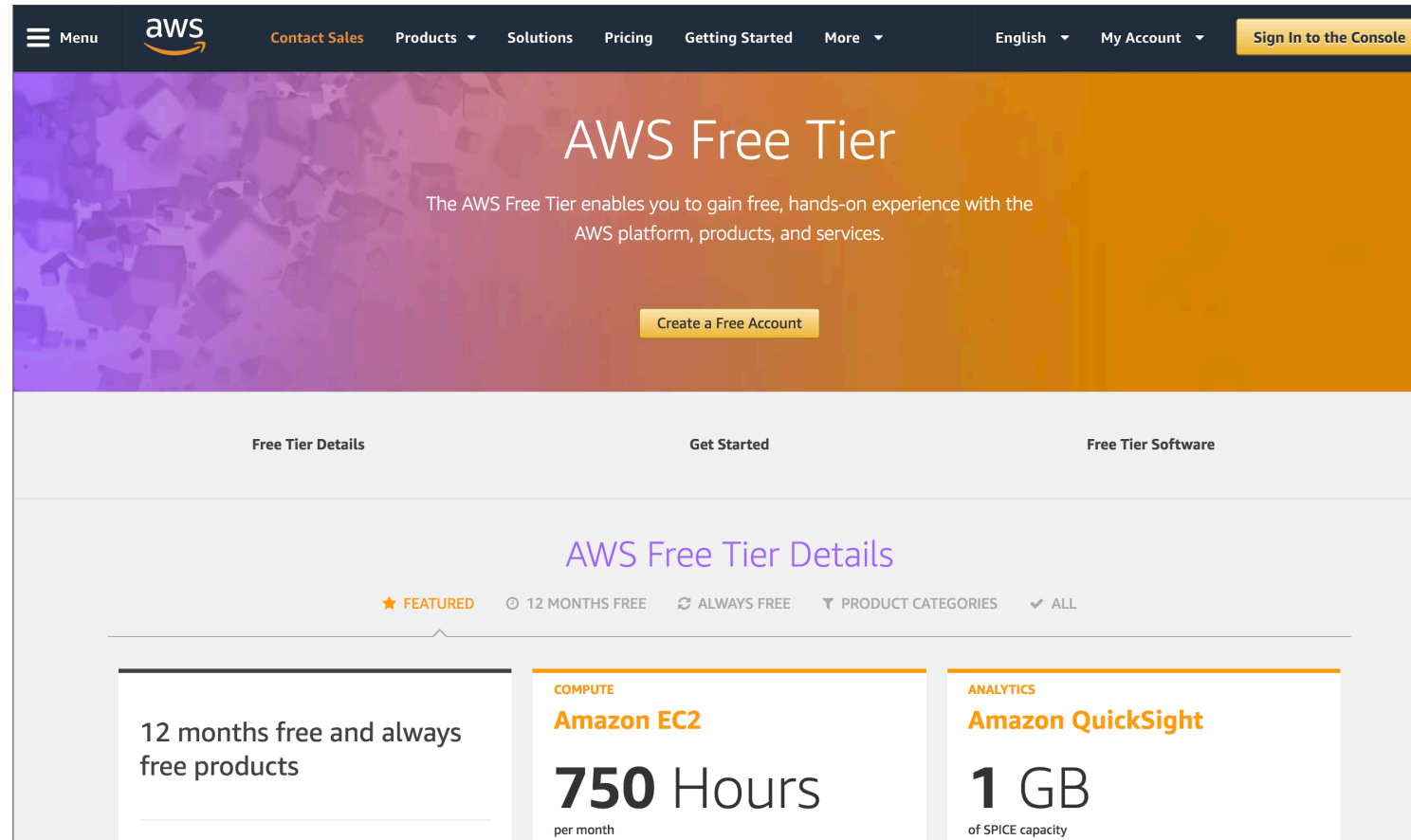
Architecting a Multi-tier Application

Minimizing Risk with Deployment Automation

Architecting Multi-region Solutions



Tips for Following Along



The screenshot shows the AWS Free Tier landing page. The top navigation bar includes the AWS logo, a menu icon, and links for Contact Sales, Products, Solutions, Pricing, Getting Started, and More. It also features language and account settings, and a 'Sign In to the Console' button. The main header area has a large 'AWS Free Tier' title and a sub-header explaining the tier's purpose, with a 'Create a Free Account' button. Below this is a navigation bar with 'Free Tier Details', 'Get Started', and 'Free Tier Software'. The 'Free Tier Details' section is active, showing a list of featured services. The first item is '12 months free and always free products'. The second item is 'COMPUTE Amazon EC2 750 Hours per month'. The third item is 'ANALYTICS Amazon QuickSight 1 GB of SPIKE capacity'.

Menu **aws** [Contact Sales](#) [Products](#) [Solutions](#) [Pricing](#) [Getting Started](#) [More](#) [English](#) [My Account](#) [Sign In to the Console](#)

AWS Free Tier

The AWS Free Tier enables you to gain free, hands-on experience with the AWS platform, products, and services.

[Create a Free Account](#)

[Free Tier Details](#) [Get Started](#) [Free Tier Software](#)

AWS Free Tier Details

★ **FEATURED** [12 MONTHS FREE](#) [ALWAYS FREE](#) [PRODUCT CATEGORIES](#) [ALL](#)

12 months free and always free products	COMPUTE Amazon EC2 750 Hours per month	ANALYTICS Amazon QuickSight 1 GB of SPIKE capacity
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<https://aws.amazon.com/free/>

