



# **TNGS Learning Solutions**

# **AWS Solutions Architect**

# **Online Course**

## **AWS Trusted Advisor**

# AWS Trusted Advisor

- AWS Trusted Advisor is a service provided by Amazon Web Services (AWS) that offers insights and recommendations to help customers optimize their AWS infrastructure, improve performance, enhance security, and reduce costs.
- Trusted Advisor analyzes your AWS environment and provides guidance based on best practices and AWS's own expertise.

# AWS Trusted Advisor

- **Cost Optimization:** Trusted Advisor helps identify cost-saving opportunities within your AWS environment. It offers recommendations to rightsize resources, terminate idle instances, and utilize reserved instances effectively, among other cost-related suggestions.
- **Performance Improvement:** The service provides recommendations for improving the performance of your AWS resources. This includes suggestions for optimizing Amazon EC2 instances, leveraging Amazon RDS performance insights, and improving network and resource configurations.

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- **Security Best Practices:** Trusted Advisor assesses your AWS environment for potential security vulnerabilities and compliance with AWS security best practices. It offers guidance on securing your resources, such as configuring security groups, enabling multi-factor authentication (MFA), and more.
- **Fault Tolerance:** Trusted Advisor checks your infrastructure's fault tolerance and availability. It provides recommendations for setting up and configuring AWS resources to improve fault tolerance, such as enabling Elastic Load Balancers, implementing Auto Scaling, and configuring Amazon S3 versioning.

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- **Service Limits:** Trusted Advisor monitors your AWS resource usage and provides alerts when you approach or exceed service limits. This helps you avoid unexpected resource limitations and plan for resource scaling as needed.
- **Cost Explorer Integration:** Trusted Advisor is integrated with AWS Cost Explorer, allowing you to view cost-related recommendations alongside your cost and usage data. This helps you understand the impact of potential cost optimizations.

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- **Custom Checks:** In addition to AWS's predefined checks, you can create custom Trusted Advisor checks tailored to your specific requirements and best practices.
- **Resource Inventory:** Trusted Advisor provides an inventory of your AWS resources, making it easier to see and manage your infrastructure components.

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- **Programmatic Access:** You can access Trusted Advisor recommendations programmatically through the AWS Management Console, AWS CLI, or AWS SDKs, allowing you to automate optimization actions.
- **Cost Savings Estimates:** Trusted Advisor provides estimates of potential cost savings associated with implementing its recommendations, helping you prioritize actions that provide the most significant impact.

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- **Integration with AWS Organizations:** Trusted Advisor is integrated with AWS Organizations, enabling consolidated viewing and management of Trusted Advisor recommendations across multiple AWS accounts within an organization.
- **Notification and Alerting:** You can set up notifications and alerts for specific Trusted Advisor checks, ensuring that you are informed of any issues or opportunities for optimization.



## AWS Trusted Advisor

- AWS Trusted Advisor is available to AWS customers with a Business or Enterprise Support plan.
- It is a valuable tool for organizations looking to maximize the value of their AWS resources by following best practices, optimizing costs, enhancing security, and improving overall infrastructure performance.