

# AWS Trusted Advisor

Topics : [AWS](#)

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AWS Trusted Advisor is a service that provides best practices and recommendations to help you optimize your AWS environment for cost savings, performance, security, and fault tolerance. It offers insights based on AWS best practices and checks your AWS resources against those best practices.

## 1. Cost Optimization:

- Trusted Advisor provides recommendations to optimize your AWS costs. It identifies potential cost savings by analyzing your resource usage, identifying underutilized instances, and suggesting the use of reserved instances.

## 2. Performance:

- Trusted Advisor helps you improve the performance of your applications by providing recommendations related to resource utilization, load balancing, and Amazon Elastic Compute Cloud (EC2) instance types.

## 3. Security:

- The security category of Trusted Advisor provides recommendations to enhance the security of your AWS environment. It covers areas such as security groups, network access control lists (NACLs), IAM (Identity and Access Management) policies, and S3 bucket permissions.

## 4. Fault Tolerance:

- Trusted Advisor offers recommendations for enhancing the fault tolerance of your AWS architecture. This includes suggestions for redundancy, backups, and high availability configurations.

## 5. Service Limits:

- Trusted Advisor checks your account against AWS service limits and provides recommendations for adjusting those limits to align with your usage patterns.

## 6. Consistency Checks:

- Trusted Advisor helps ensure consistency and best practices across your environment by providing checks for architectural best practices and conformity to AWS Well-Architected Framework principles.

## 7. Notification and Reporting:

- Trusted Advisor provides notifications for potential issues and offers a reporting feature that allows you to generate reports summarizing your AWS environment's status and recommendations.

## 8. Integration with AWS Support Plans:

- Depending on your AWS Support Plan, you may have access to additional checks and recommendations in Trusted Advisor. AWS Support customers typically have access to a broader set of checks.

## 9. Weekly Health Checks:

- AWS Trusted Advisor performs weekly health checks on your AWS resources, providing regular updates and insights into your environment.

## 10. API Access:

- Trusted Advisor offers API access, allowing you to programmatically retrieve and integrate Trusted Advisor recommendations into your workflows and automation processes.

## 11. Integration with AWS Management Console:

- You can access Trusted Advisor through the AWS Management Console, where it provides a dashboard summarizing your environment's status and recommendations.

## 12. Custom Checks and Recommendations:

- AWS allows you to create custom checks and recommendations in Trusted Advisor, enabling you to tailor the tool to specific requirements or compliance standards relevant to your organization.