

# Amazon Trusted Advisor



0 ✓ 9 ⚠ 0 !

**\$7,516.85**

Potential monthly savings



3 ✓ 7 ⚠ 0 !



2 ✓ 4 ⚠ 11 !



0 ✓ 15 ⚠ 5 !



37 ✓ 0 ⚠ 1 !

# Amazon Trusted Advisor

## What is Amazon Trusted Advisor?

AWS Trusted Advisor is an AWS tool that provides you with real-time assistance to help you provision your resources following AWS best practices. It checks to help optimize your AWS infrastructure, provide better security and performance, reduce overall costs, and monitor service limits. Whether you want to develop applications, or as part of ongoing improvement, Always take advantage of the recommendations provided by Trusted Advisor it helps keep your solutions provisioned optimally.

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## How does it Work??

The Trusted Advisor scans an organization's cloud infrastructure and provides recommendations based on the defined best practices. The basic recommendations can be grouped into three categories:

**No problem detected**—a green check.

**The investigation recommended**—an orange exclamation mark.

**Action recommended**—a red exclamation mark.

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## How does it Work??

If you are planning to migrate to the AWS cloud or to set up a new cloud application, Trusted Advisor's recommendations can help you to optimize your cloud infrastructure. For example, if you are planning to set up a new RDS instance and receive a notification from AWS Trusted Advisor that two of 15 RDS instances have been idle for more than 30 days, you can investigate and plan to utilize one of the idle instances rather than introducing a new one. This saves costs for your organization.

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## How does it Work??

AWS Trusted Advisor Check a large section of services that can be grouped into four categories:

**Cost Optimization**—recommendations provided by Trusted Advisor can reduce expenses by highlighting idle resources or by committing reserved resources.

**Security**—With the help of AWS Trusted Advisor user can harden their AWS services against intruders by enabling various security features.

**Fault Tolerance**—suggestions that enhance the resilience of your applications by highlighting health issues, missing backups, and redundancy shortfalls.

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**Performance**—recommendations that can increase the overall performance of your applications and cloud infrastructure by checking your service limits and monitoring instances.

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**Service Limits Check** – This check inspects your usage with regard to the most important service limits for each AWS product. It alerts you when you are using more than 80% of your allocation resources such as EC2 instances and EBS volumes.

**Security Groups – Specific Ports Unrestricted Check** – This check will look for and notify you of over-permission access to your EC2 instances and help you avoid malicious activities such as hacking, and data loss.

**IAM Use Check** alerts you if you are using account-level credentials to control access to your AWS resources instead of following security best practices by creating users, groups, and roles to control access to the resources.

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**MFA on Root Account Check** – This check recommends the use of multi-factor authentication (MFA), to improve security by requiring additional authentication data from a secondary device.