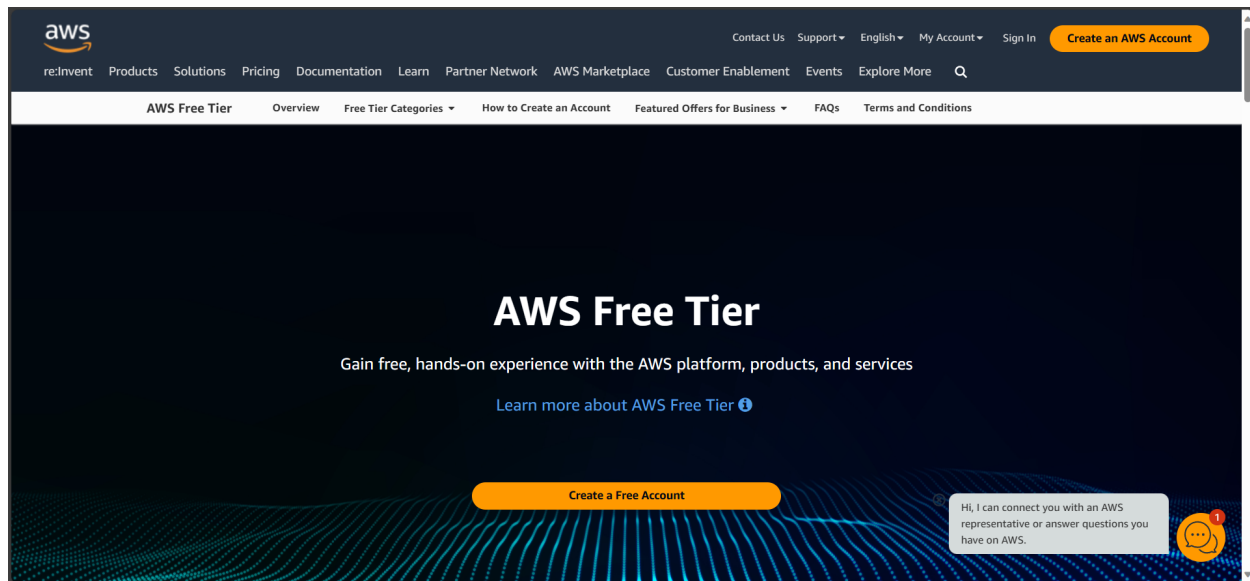


Rico, Justroilon C.	CIT 503-IT41S2 - Current Trends and Issues in Computing
IT41S2	Nov 23, 2023

Research on products or technologies associated with IT trends. Find articles that discuss the product evaluation based on the following:

1. Requirement Analysis
2. Functionality
3. Scalability
4. Reliability and Performance
5. Security
6. Vendor support and maintenance
7. Cost

# Amazon Web Services / Cloud Computing



1. **Requirement Analysis:** The first problem that AWS tried to solve was the lack of accessible and scalable cloud computing services. Its goal was to give companies a platform to use different computing resources without having to worry about maintaining physical infrastructure. Its product line has grown over time to meet a variety of needs, including those related to storage, databases, analytics, machine learning, and more.
2. **Functionality:** AWS provides a wide range of services, including content delivery (CloudFront), databases (RDS), storage (S3), processing power (EC2), and more. These services meet a variety of demands and let users choose just what they need without extra features or expenses.
3. **Scalability:** Scalability is one of AWS's best qualities. Without significant interruptions, users can simply scale up or down their resources in response to demand. Resources can be automatically adjusted to maintain consistent performance with the help of services like Auto Scaling.
4. **Reliability and Performance:** High dependability and availability are features of AWS. It lowers the chance of downtime by operating across multiple data centers worldwide. Its strong architecture and redundancy controls also guarantee user's continuous performance.
5. **Security:** AWS prioritizes security and provides a range of tools and capabilities to safeguard applications and data. To satisfy various security requirements, it offers

identity and access management tools, encryption services, and compliance certifications.

6. **Vendor Support and Maintenance:** Depending on the needs of the user, AWS provides technical help and guidance through a variety of support options. These plans offer varying degrees of assistance, education, and resource access, ranging from basic to premium.
7. **Cost:** Pay-as-you-go pricing for AWS enables customers to only pay for the resources they really utilize. Because of its low cost, flexible pricing structures, and capacity to maximize resource utilization, it appeals to companies of all kinds.

The screenshot shows a web browser displaying an article on Investopedia. The URL in the address bar is <https://www.investopedia.com/articles/investing/011316/what-amazon-web-services-and-why-it-so-successful.asp>. The page features a navigation bar with links to various financial topics and a 'TRADE' button. The article title is 'What Is Amazon Web Services and Why Is It So Successful?'. It is authored by Vanessa Page, updated on November 06, 2022, and reviewed by Margaret James. The article text begins with 'Amazon Web Services (AWS), the cloud platform offered by Amazon.com Inc (AMZN), has become a giant component of the e-commerce giant's business portfolio. In the second quarter of 2021, AWS brought in a record \$14.8 billion in net sales, accounting for just over 13% of Amazon's total net sales. Having grown steadily in the 30% range the past few quarters, AWS is a frontrunner to other cloud computing platforms such as competitor Microsoft Azure.'<sup>[1]</sup> A table of contents on the left lists sections like 'What Is AWS Exactly?', 'Cost Savings', 'Scalable and Adaptable', 'Security and Reliability', 'Criticism of AWS', and 'The Bottom Line'. An advertisement for Optum is visible on the right side of the article.

Reference:

- [What Is Amazon Web Services and Why Is It So Successful? \(investopedia.com\)](https://www.investopedia.com/articles/investing/011316/what-amazon-web-services-and-why-it-so-successful.asp)