

ChatApp on AWS Cloud

Create chat room and chat with
others

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Introduction

The presentation will focus on the creation and deployment of a chat application on AWS. It will explore the benefits of cloud computing and how it makes it easier to build and deploy chat apps. The key features of the chat app, such as creating chat rooms and chatting with others, will be discussed.

The presentation will also cover the challenges of creating a chat app and how AWS services can help overcome these challenges.

By the end of the presentation, attendees will have a better understanding of how to create and deploy a chat app on AWS, as well as the benefits of using AWS services.



Problem Statement

- Deploying a chat application on traditional infrastructure can be expensive and time-consuming, requiring significant resources, including hardware, software, and skilled personnel.
- Cloud computing can address these challenges by providing scalable and reliable infrastructure for building and deploying chat applications.
- Deploying a chat app on AWS can still be a complex process that requires a deep understanding of AWS services and architecture.
- The problem statement is how to create and deploy a chat app on AWS that is scalable, reliable, and cost-effective while ensuring that the app has the necessary features, such as chat rooms and real-time messaging.



Objective

- Develop a user-friendly interface that allows users to create an anonymous profile and connect with others in real-time.
- Provide a secure and safe online environment that prevents and mitigates instances of cyberbullying, harassment, or other forms of inappropriate behavior.
- Implement features that allow users to report any inappropriate behavior or messages to the website's administrators.
- Provide tools that enable users to customize the chat room settings, such as background color and font size.



Scope

- Developing a website that provides an anonymous chat room platform.
- Designing a user-friendly interface that allows users to create an anonymous profile and connect with others in real-time.
- Developing a chat room system that enables users to engage in real-time conversations with others anonymously.
- Implementing security measures to prevent and mitigate instances of cyberbullying, harassment, or other forms of inappropriate behavior.
- Providing features that allow users to report any inappropriate behavior or messages to the website's administrators.
- Ensuring the platform's performance and scalability to handle a large number of users.



AWS Services Used

- EC2 (Elastic Compute Cloud)
- IAM: IAM (Identity and Access Management)
- Security
- Virtual Private Cloud (VPC)
- Security Groups
- SSL/TLS Certificates



Conclusion

By learning how to deploy a project on AWS cloud, individuals can gain a deeper understanding of cloud computing and its benefits, acquire proficiency in cloud computing platforms, design and deploy scalable and reliable cloud applications, gain experience in DevOps methodologies, and enhance their employability in the IT industry.