



Billing Solutions for Private Cloud Provider

TECH STACK

- Rabbit MQ
- Java 8
- Apache Camel
- Spring Boot
- Spring MVC
- Mongo DB
- Postgre SQL
- Angular

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CHALLENGES

The client, a private cloud provider, approached us with a need to develop a comprehensive billing system that accurately reflects the actual resource utilization of various computing resources such as CPU, memory, Storage, bandwidth utilization etc. for their clients.

SOLUTIONS

To meet this requirement, Euphoric's team decided to use Apache Camel and RabbitMQ, two powerful technologies that work together seamlessly to enable the development of scalable, robust, and efficient applications. Using Camel, we were able to connect the client's billing system with their cloud infrastructure management tools, customer management system, and other systems, ensuring that all data was integrated and updated in real-time.

To ensure reliable message queuing and communication between different components of the system, we leveraged RabbitMQ, a high-performance message queuing system. RabbitMQ enabled us to handle large volumes of messages and ensure that all data was processed accurately, even during periods of high traffic.

By using Apache Camel and RabbitMQ together, we were able to design and develop a billing system that was highly scalable, reliable, and efficient. The system was able to process large volumes of data in real-time, ensuring that clients were accurately billed for their cloud services based on their actual resource utilization. Additionally, the use of these technologies enabled us to implement robust error handling and monitoring, ensuring that any issues with the system were identified and addressed quickly.

BENEFITS

The resulting system provides the client with the ability to accurately bill their customers for their cloud services based on actual resource utilization, helping them to optimize their revenue streams and improve their customer satisfaction.