Rocket Chat Platform

v1 - August 2020

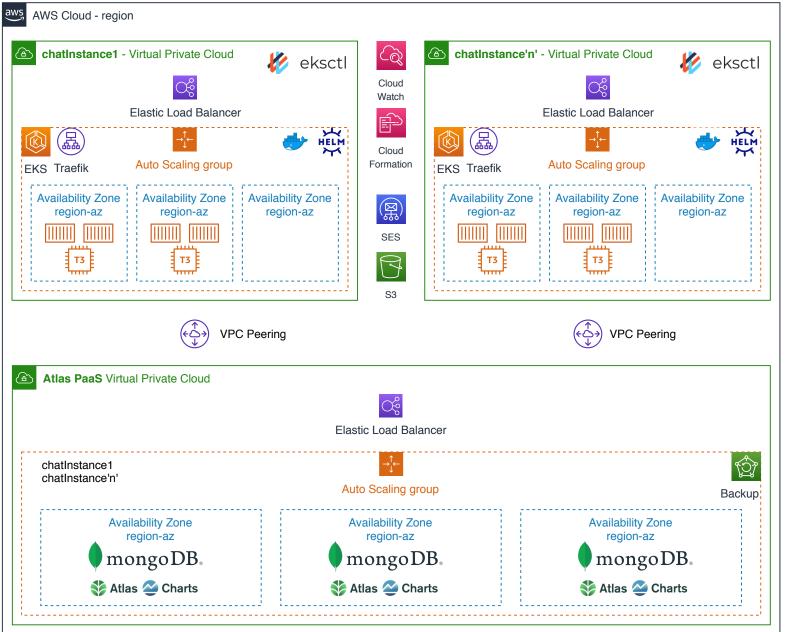Get it from **Microsoft**

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ROCKET.CHAT CLOUD

AWS Cloud - region

chatInstance1 - Virtual Private Cloud

eksctl

Elastic Load Balancer

EKS Traefik   Auto Scaling group   HELM

Availability Zone region-az	Availability Zone region-az	Availability Zone region-az
T3	T3	

chatInstance'n' - Virtual Private Cloud

eksctl

Elastic Load Balancer

EKS Traefik   Auto Scaling group   HELM

Availability Zone region-az	Availability Zone region-az	Availability Zone region-az
T3	T3	

Cloud Watch

Cloud Formation

SES

S3

VPC Peering

VPC Peering

Atlas PaaS Virtual Private Cloud

Elastic Load Balancer

chatInstance1
chatInstance'n'

Auto Scaling group

Backup

Availability Zone region-az	Availability Zone region-az	Availability Zone region-az
mongoDB	mongoDB	mongoDB
Atlas Charts	Atlas Charts	Atlas Charts

Design Notes

Apps

- Mobile: React Native
- Desktop/Laptop: Electron and Web.

EKS

- AWS Elastic Kubernetes Service (fully managed platform)

eksctl

- Command line tool to configure EKS.

Traefik

- Kubernetes Load Balancing
- TLS Termination

Helm

- Package Manager used to install Rocket Chat on Kubernetes

Docker Hub

- Container Image for Rocket Chat app.

CloudFormation

- Controls EKS Infrastructure

CloudWatch

- Infrastructure Monitoring

SES

- AWS Simple Email Service (for sending notifications etc.

S3

- AWS Simple Storage Service (for resilient low cost storage of uploads and avatars)

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- Domain Name Service

Rocket.Chat Cloud

- Mobile push notifications service

mongoDB Atlas

- Fully managed, resilient and backed up document database as a service. All chat information (config and data) are stored here.

mongoDB Charts

- Fully managed data analytics and visualisation service for mongoDB