

HeyDoctor

Case Study

Company Overview

A telemedicine platform to change how Americans get healthcare.

Challenge

Ibexlabs were engaged to set up an AWS environment according to the following requirements:

- HIPAA compliance.
- Continuous Integration & Continuous Delivery Pipelines.
- Cost effective and Highly scalable.
- Central logging and monitoring.
- Fully auditable and documented environment.
- Highly secure with data encryption at rest and in transit.

The Solution

Widely published, the National Institute of Standards and Technology (NIST) based frameworks on AWS allow you to build secure and reliable architecture with ease through automation. These architecture solutions adhere to strict compliance, security, and risk management controls—a crucial factor for HeyDoctor working in the healthcare technology sector. In addition, these templates allow for tailored expansion and customization.

Ibexlabs extended the NIST accelerator VPC model with segregated accounts and IAM Roles, adhering to principles of least privilege, while enabling developer productivity through automation and CI/CD.

Ibexlabs worked with HeyDoctor to leverage Elastic Beanstalk for hosting the backend platform and Cloudfront, S3 for hosting the front end application.



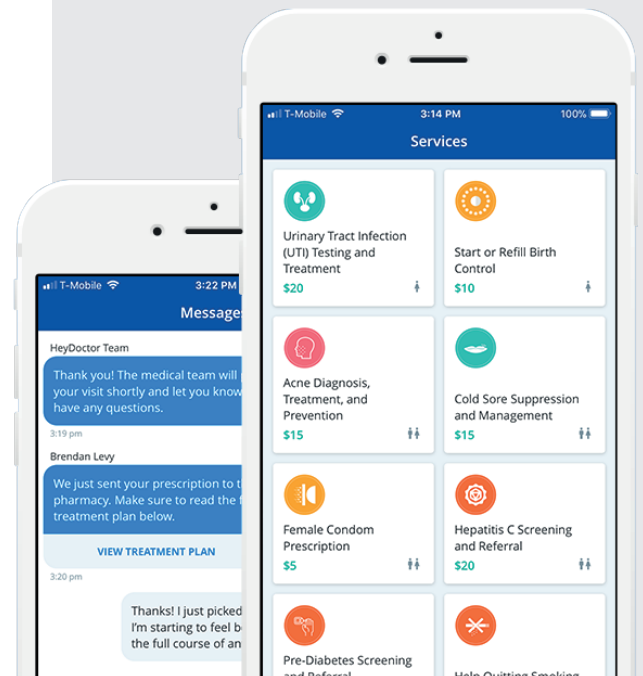
Aim

Set up an scalable, cost effective, HIPAA Compliant AWS environment.



From navigating the complexities of AWS to dealing with constantly shifting requirements of an early stage startup, IbexLabs handles this gracefully. Their deep experience in security and compliance has allowed us to scale quickly & effortlessly, while maintaining our rigid security posture. Ibex really feels like a natural extension of our own team - highly recommend!

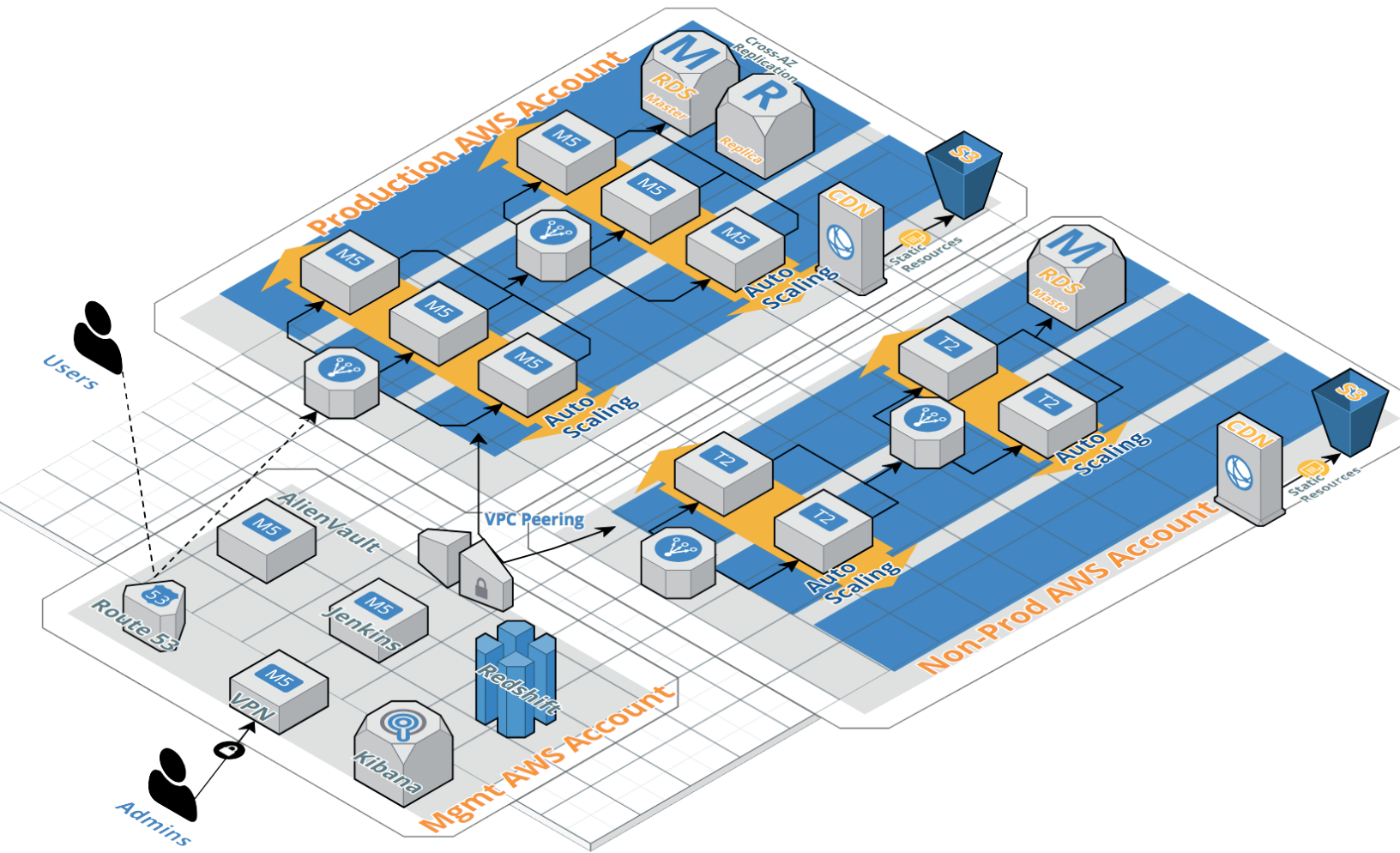
Kyle Alwyn, CTO, HeyDoctor



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Also, Ibexlabs leveraged Terraform which is a industry standard cloud orchestration tool to safely create, update and maintain infrastructure in AWS.



AWS Services Employed

Ibexlabs leveraged the below AWS Services during the set up to streamline, automate, and implement a secure baseline for HeyDoctor's infrastructure:



AWS Organizations

A centrally-controlled policy-based management service designed for configuring access for multiple AWS accounts according to each accounts' needs.



AWS SQS

A distributed message queuing service which supports programmatic sending of messages via web service applications as a way to communicate over the Internet.



Amazon RDS

A hosted relational database engine compatible with MySQL and which is highly-available, durable, and fault tolerant.



AWS Elastic Beanstalk

A managed service which is designed for deploying and scaling web applications and services. Application deployment with Java through convention over configuration (though tailored adjustments can be made as necessary).



AWS Key Management Service (KMS)

A service for the creation and control of encryption keys needed to encrypt data. KMS also facilitates responsibility separation and remote logging/auditing of key access requests.



S3

Highly scalable object storage.

Other Leveraged Technologies



Terraform

To safely and predictably create, change, and improve infrastructure.



New-relic

For performance and application analysis on servers, server-side code, client-side code, and native apps, etc.



Jenkins

A continuous Integration (CI) server or tool which is written in java. It provides Continuous Integration services for software development.

About Ibexlabs

Ibexlabs is a DevOps & Managed Services provider and an AWS consulting partner. Our AWS certified DevOps consultancy team evaluates your infrastructure and make recommendations based on your individual business or personal requirements.

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