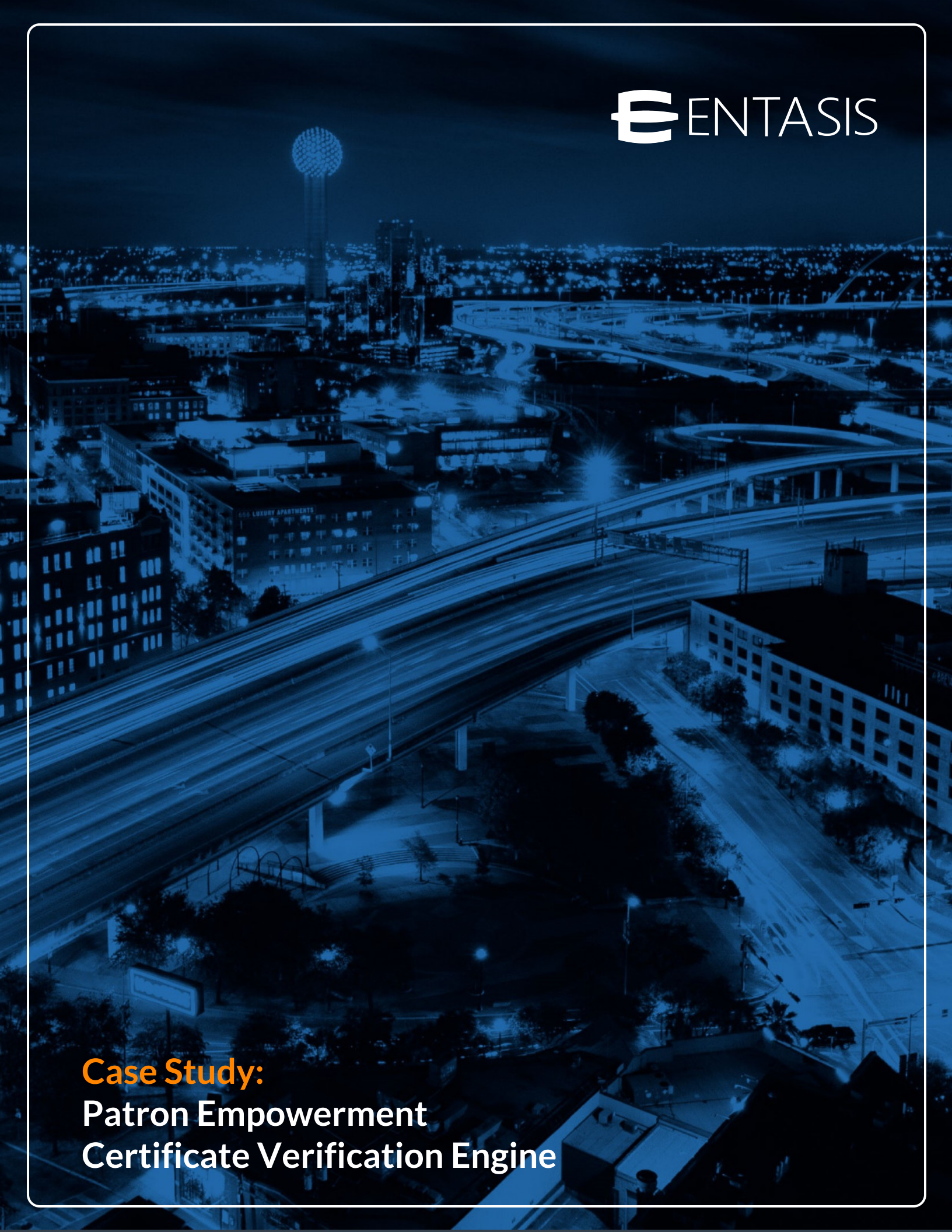
ENTASIS



Case Study:
Patron Empowerment Certificate Verification Engine

COMPANY SUMMARY

WHO WE ARE AND WHAT WE DO

Entasis Technology Consulting was founded in 2016 by Matthew Mattoon. Entasis is a Veteran-owned AWS Advanced Partner that focuses on Architecture and Automation.

We believe technology should be elastic by nature, resilient in design, with performance on demand.

The Entasis team has over 30 years of experience in technology with over ten AWS certifications.

Entasis hosts the AWS User Group DFW North that has over 320 members.

CASE STUDY:
Certificate Verification Engine

AWS SERVICES

ACloudFormation, Lambda, Route 53

CUSTOMER DESCRIPTION

Patron Empowerment's signature project is Rhythmic Rebellion. RR allows artists and songwriters to have free access to promotional tools and song registration that allows for future tracking of royalty earnings and payments. The Rhythmic Rebellion platform is a web and mobile application.

CUSTOMER PROBLEM

Rhythmic Rebellion as a part of their cloud-native platform on AWS leverages certificates heavily, however they had not been able to automate the creation and validation of certificates. Thus, all certificates required manual intervention for the validation portions of their certificates.

CASE STUDY PAGE 2:
Certificate Verification Engine

IMPACT OF THE PROBLEM

The impact was a slower time to deployment of new artist and songwriter sites and the use of wildcard certificates in some areas. Due to the sharing of these certificates there was concern around expiration and the impact of de-provisioning orphaned resources.

HOW TO FIX THE PROBLEM

Utilizing CloudFormation, Lambda and Route 53 we automated the end to end process of certificate creation and validation. This solution was also able to be leveraged to return the required verification records to the end user during site creation if they were using custom domains.

SOLUTION IMPACT

The solution was able to dramatically reduce the certificate issuance time for new resources on the Rhythmic Rebellion project. This integrated nicely with the Serverless Application Model, enabling blue/green deployment and IaC. It was able to provide Rhythmic Rebellion platform users with immediate feedback on site creation as well as reduce the time taken to deploy environments.

Case Study Diagram

