

M+E

JOURNAL

It's Showtime!

Innovation explodes across every workflow as technology emerges from the pandemic.



Where are you in this accelerated evolution?

DIVERSITY & INCLUSION

In the office, behind the camera, and on the screen, diversity is crucial

SECURITY

Remote productions create new security concerns, with assets under siege

SMART CONTENT

Artificial intelligence and machine learning are being applied in new, exciting ways

NEW WORKFLOWS

The cloud is delivering on its promise, powering the future of productions

21.01

SECURING LOCALIZATION IN THE CLOUD

Manual processes have become impractical



ABSTRACT: Main aspects of any cloud project need to include a highly scalable, secure infrastructure, being sure it can handle wide fluctuations in customer traffic, and that it can establish a fully automated release cycle.

By David Kirk, OONA, Stylus Media Communications

Many manual processes have simply become impractical in today's internet-connected world. OONA Integrated — our API for enterprise integration — automates most manual activity, making operations streamlined and cost-efficient. Users can work from any internet-connected location and have instant access to up-to-the-minute data, including full visibility of the status progress and all associated costs for each task.

A pay-as-you-go pricing model allows users to select the tools they need for any given project. Each tool is accessible online from any computer, Windows or Mac, using a simple and intuitive web interface. These functionalities are protected by OONA Cloud, which is quality-checked round the clock. OONA Cloud is also supported by a network operations center

Our main requirement was a system which would allow uploads and downloads on a large scale in a world-wide deployment. Security and availability are the key issues. The system must be as secure and stable as possible and support online time nearly 100 percent of the time. After evaluating several solutions, we decided on Amazon Web Services (AWS) as the platform to go with, working in co-operation with DevOps specialist Automat-IT. Files uploaded to OONA Manager are linked and made available for streaming. The entire process is seamless from a user perspective.

FULL AUTOMATION provides a strong safeguard against human error.

HIGH SCALABILITY AND SECURITY

There were two main aspects to the OOONA Cloud project. First was the creation of a highly scalable infrastructure which is secure and can handle wide fluctuations in customer traffic, from regular, right through to peak. The infrastructure is built around AWS, fully automated and secure. We are using a machine-learning algorithm to alert us to any anomaly in the cloud infrastructure and user actions. The second was to establish a fully automated release cycle, ensuring all the facilities offered within OOONA Cloud are tested in a uniform environment before they reach the customers. Full automation provides a strong safeguard against human error. The system is monitored and supported by a network operations center, with a 24-7 fast-response team to address any issues.

COMPLETE HOSTING SOLUTION

The resultant service, OOONA Cloud, is a complete hosting solution to support the scalability, security and performance for all of OOONA's applications. It operates

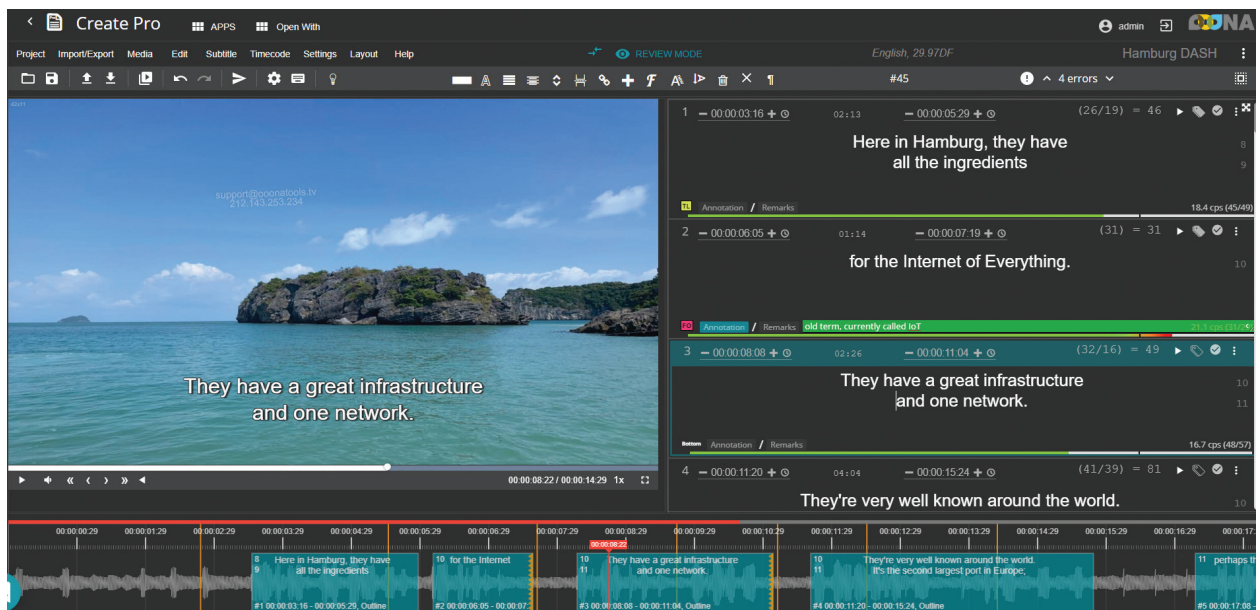
on multiple cloud services, such as EC2, Route53 and CloudFront. With the help of Automat-IT, OOONA is now able to expand its services globally and deploy new software versions in minutes.

OOONA Cloud uses high-efficiency serverless technology combined with a video transcoding system designed and implemented to handle any number of video transcoding jobs. The system uses Lambda, SNS, SQS, S3 and Fargate for EKS (Kubernetes), alongside an advanced deployment pipeline. The result enabled OOONA to minimize operating costs and offer its customers competitive pricing.

ONE-STOP SHOP FOR LOCALIZATION SECTOR

Our goal right from the company's inception has been to become a one-stop shop for the entire localization business sector. Most gratifying of all is the response from our user base, which has proven extremely positive over the years, encouraging us to stay ahead of the development curve. ■

An example of the OOONA range of localization production tools.



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