Using AWS cloud solutions to design & maintaing your traveltech features the Getaway travel planning platform

GETAWAY   NEONCUBE

Getaway & Neoncube

implementing AWS cloud solutions in Traveltech

During Neoncube's collaboration with Getaway, a Traveltech company offering a travel arrangement platform, we deployed AWS cloud solutions to design and maintain features. These automated our infrastructure management processes, enabling us to optimise operational costs and increase efficiency.

GETAWAY NEONCUBE

Who benefits from automation and provider integrations?

Platform owners

Reduce the time spent on cyclical activities, operational costs associated with maintaining the infrastructure and increase the efficiency of the solution; thus strengthening the competitive advantage and increasing the number of users using the platform, fully meeting their needs.
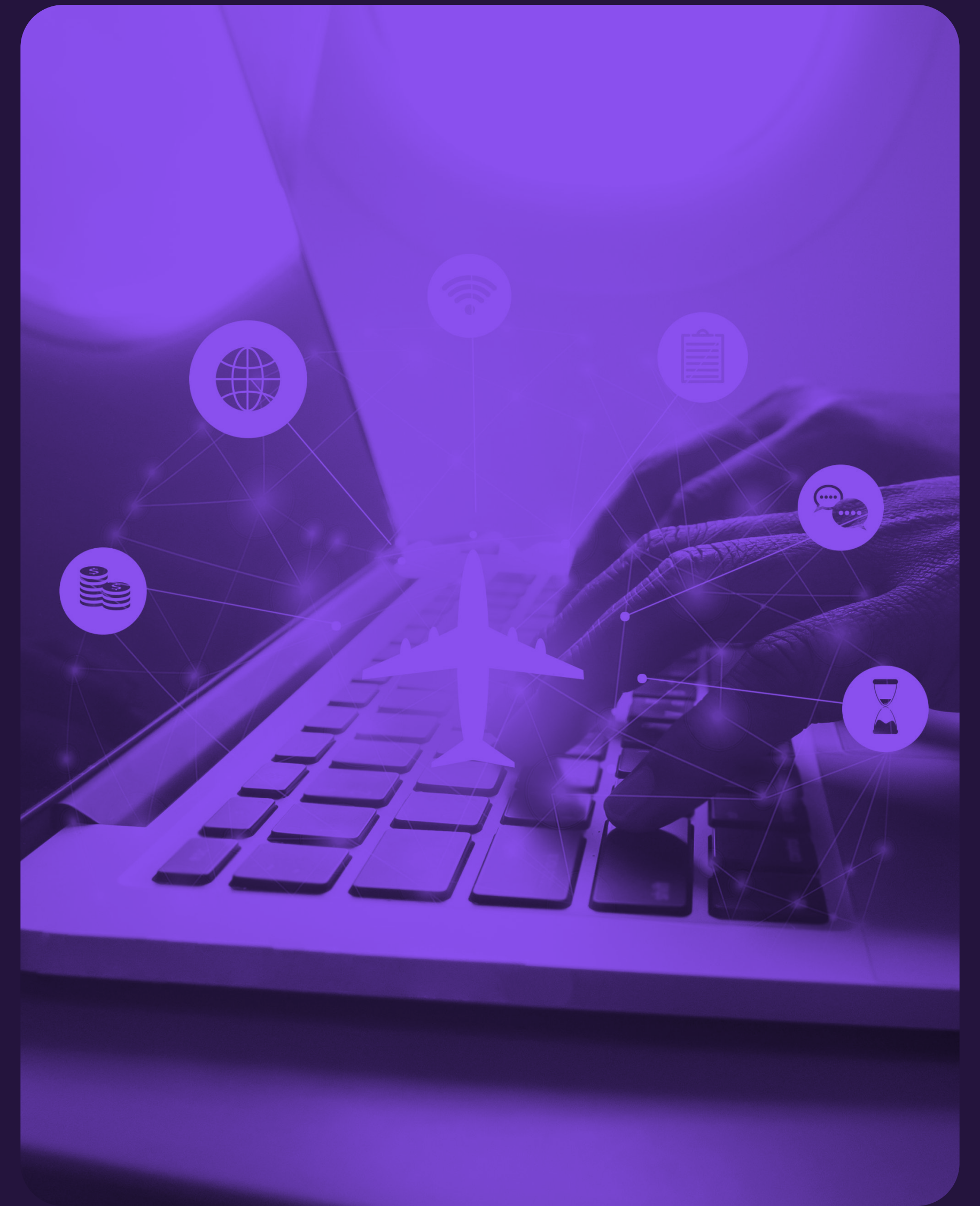
Users

Gain access to a seamless platform that makes it easy to plan journeys as required; the system, based on a serverless infrastructure, ensures fast operation and information delivery through an intuitive interface; cloud adoption technology makes it easy to adapt the platform to the latest trends.

GETAWAY

NEONCUBE

Problems we *solve*

- System downtime and availability of services to users

- Ongoing updating generating high operating costs

- Infrastructure requiring complex management and lengthening the time to adapt to market needs

- Difficulties in handling sudden increases in user traffic on the platform

- Generating high operational costs associated with keeping the system up and running

GETAWAY

NEONCUBE

Opportunities we seize

- Ability to dynamically scale applications in response to changing demand, enabling better management of IT resources and optimisation of operating costs

- Automate key processes such as database updates and infrastructure management, reducing the time and costs associated with manual operations

- Enabling continuous monitoring and optimisation of IT system performance, which minimises the risk of downtime and improves the user experience

- Accelerate the implementation of new features and solutions in applications, allowing the company to respond more quickly to market and user needs

- Automatic adaptation of database capacity to the current needs of the application, eliminating the need to oversize the infrastructure and allowing more efficient resource management

GETAWAY   NEONCUBE

The main problem

How do you ensure scalability and flexibility of IT systems in Traveltech while reducing operational costs, minimising downtime and increasing conversions?

GETAWAY   NEONCUBE

Idea

The solution we implemented was advanced AWS cloud solutions. With these technologies, we have been able to automate the scaling of applications and databases in response to changing demand, eliminating the need to manage physical servers. AWS tools have enabled us to reduce operational costs, minimise the risk of downtime and increase the flexibility and efficiency of our systems.

GETAWAY

NEONCUBE

4 tools that made it possible to achieve the business objective

- AWS Lambda used for API design enables serverless code to run, allowing applications to scale dynamically without the need for infrastructure management; it does not require as much DevOps work as traditional solutions because there is no server to maintain;

- Amazon CloudWatch aggregates logs and monitors key incidents, such as CPU and memory usage, so that issues can be quickly detected and resolved.

- Aurora Serverless automatically adjusts the database capacity according to current needs, ensuring continuous availability and optimising costs.

- Amazon SQS, on the other hand, enables efficient message queue management and background event processing, which is key to maintaining operational fluidity in dynamic business environments.

GETAWAY NEONCUBE

What the implementation of AWS cloud solutions to design and maintain *Traveltech* features has provided

AWS cloud solutions enable the implementation of several important improvements to meet business objectives:

- automating infrastructure management processes reduces the number of people involved in carrying out cyclical operations;

- The scalability of the infrastructure makes it possible to operate without increasing IT resources and to reduce costs;

- The automatic scalability of the databases also ensures uninterrupted service availability;

- monitoring and managing events in the background allows you to focus on business value rather than resolving infrastructure issues;

- increased operational efficiency leads to lower costs and improved customer service.

GETAWAY   NEONCUBE

Effect and return on investment

The key success indicators (KPIs) that allowed us to assess the effectiveness of the implementation of AWS cloud solutions in Traveltech were primarily:

- a significant increase in the number of users served, reaching 250,000 active users;

- Increasing transaction processing capacity to 100,000 per minute thanks to the scalability offered by AWS Lambda;

- pay-per-use billing model based on metrics: memory, function duration and number of calls enables cost reduction - 100 Lambda handlers;

- Reduce operating costs by automatically scaling database resources using Aurora Serverless.

GETAWAY   NEONCUBE

The Neoncube Team

Would you like to implement a similar solution in your company?

Feel free to contact us!

Jacek Nosal

jacek@neoncu.be

+48 693 293 324

Michał Smoliński

michal@neoncu.be

GETAWAY NEONCUBE