



eleks

Cloud Migration

Service overview

Move on from your legacy on-premise infrastructure to secure and reliable cloud

ELEKS will help you to create and implement a cloud migration strategy to optimise your current IT infrastructure. You'll gain in cost efficiency and scalability by moving all or part of your infrastructure from a data centre to Azure cloud.

We will cover every step of your migration journey:

current infrastructure assessment;

migration plan design and implementation;

cloud costs optimisation;

security monitoring and data protection;

infrastructure TCO calculation.

eleks



Cloud migration benefits

Reduced cost of IT infrastructure operations with a cloud-based operating model

Primary

Flexible cost of cloud resources and elastic allocation upon actual demand

Enterprise standards for security and integration with on-premises services

High efficiency and reliability of IT operations with increased automation (DevOps)

Horizontal and vertical scaling (e.g. load-based number and class of servers), enterprise-level disaster recovery and high availability

Secondary

Technology modernisation and consolidation (e.g. replacement of legacy AS400)

Reduced dependency from current infrastructure provider

Efficient application development and operations with a common cloud-native platform

One-stop responsibility for cloud platform operations and application support

MIGRATION JOURNEY

Assess

Discover

Map on-premises applications

Evaluate

Migrate

Rehost

Refactor

Rearchitect

Rebuild

Optimize

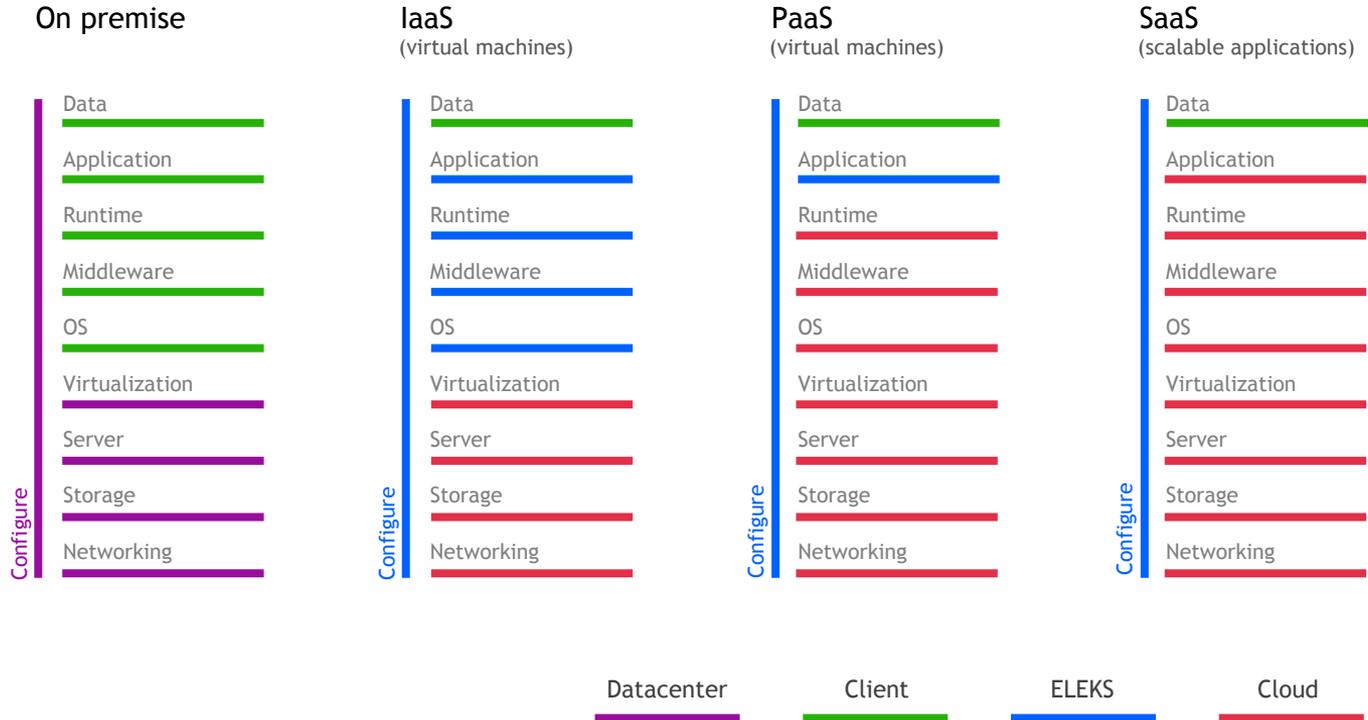
Cost management

Security

Cloud health monitoring

Data protection

MIGRATION TARGET OPTIONS



APPLICATION MIGRATION SCENARIOS

Rehost



Moving apps from your datacenter to the cloud with no code changes

Your don't need to change the apps' capabilities right away

Applications or database requirements can only be met using a Cloud IaaS virtual machine

Refactor



Using existing code base and development skills

An application can be repackaged to work in the cloud

Applying DevOps best practices provided by the cloud

Rearchitect



Meeting scalability requirements in a cost-effective way

Applying DevOps best practices provided by the cloud

An application may need a major revision to incorporate new capabilities or to work more effectively on a cloud platform

Rewrite



Building new applications using cloud-native technologies

Expediting your business innovation

Applying DevOps best practices provided by the cloud

Total cost of ownership

Migration cost

Cost optimization scenarios

There are two main scenarios for IaaS cost reduction

Scenario 1 On/Off

This scenario allows turning the infrastructure on when you need to work with it and turning it off when the work is finished

Examples:

Development and test environments that have to work for 8 hours 5 days per week

Annual tax calculation engine that has to work one month per year during the taxation period.

The systems from both examples will be completely inaccessible outside expected working hours.

Scenario 2 Predictable burst

This scenario is similar to on/off, but the system will never be shut down completely, the required capacity will be reduced to minimum

Example:

Pre-flight check application that requires higher capacity from 6AM to 10PM (when most of the flights take place). Outside of these hours, the capacity can be reduced to minimal required level.

While the system will be accessible 24/7/365, its owners can still save on hosting capacities.

ELEKS cloud expertise

12 successful Cloud
infrastructure
projects
completed last year

Portfolio of AWS, Azure
and Google cloud
projects,
as well as open-source
Docker/Kubernetes clusters

ELEKS' proprietary
integration platform
and applications
that automate cloud
deployment and integration

Architecture Management

„As-is“ analysis and documentation,
target architecture vision and
component design;
“To-be“ documentation, transition
planning;
In-house Software Architecture
office for expertise development

Cloud Operations & DevOps

Infrastructure as code (IaC)
approach using e.g. Ansible,
PowerShell, Terraform for
automated deployment

20% senior staff with 5+ years of
experience; systematic
competency management

Industry specific experience

Cloud Integration projects in
telecommunication, agriculture,
parcel delivery & logistics,
commodity trading, retail,
finance, insurance and more

Complex cloud solutions with Big
Data, BI, real-time monitoring,
data migration

Support as a Service

L2/L3 support established

OUR ADVANTAGES

Up to **20%**
discount and
support from cloud
service providers

Up to 30x faster
migration

with ELEKS' proprietary deployment
platform

Cloud
certifications

ELEKS experts hold certifications with
all available cloud platforms



Proposed collaboration structure

IT and Business Steering

- Client's C-level and top management
- ELEKS' Executive Advisor and Account Manager

Project Management

- Client's Project Manager / Sponsor
- ELEKS' Project Manager
- ELEKS' Cloud Solution Architect

Project Execution

Discovery, Migration, Support

- Client's Application Owners
- Solution Architect
- Security Officer
- Network Specialist
- Software Engineering team
- DevOps team
- QA team

Client's Counterparts for coordination

CASE STUDIES

**We measure our success
by the success of our
customers**

200+

customers since 1991

10+

years of
relationships with
key customers

Fortune 500

customers

eleks

CASE STUDY

AGRICULTURAL PROCESSES AUTOMATION

300+
automated processes

100+
services migrated to the Cloud

30 ms
streaming analysis latency

eleks

CUSTOMER

for a leading diversified agricultural holding in the Eastern Europe

SOLUTION

Clustered infrastructure with scalable containerised application provides hybrid PAAS integrated with Enterprise Service Bus.

Over 5,000 physical fields were covered by the Monitoring System. Resource Planning and Inventory Management System with BPMN and real-time data visualization were created.

Fast Data processing system is monitoring last 5 GPS position of 100,000+ drones and harvesters that move around fields (more than 1,500,000 events per second). An AI solution was implemented to predict yield and optimise resources.

90%

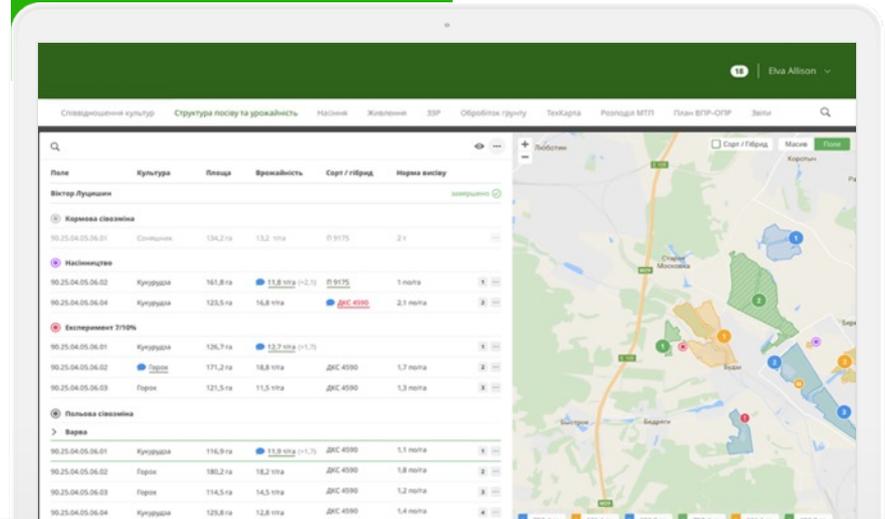
of all operations were automated eliminating human factor errors

Optimised cost

of cloud resources with elastic allocation, horizontal and vertical scaling

Enterprise standards

for security, disaster recovery, availability and integration with on-premises services



CASE STUDY

OPTIMIZING THE BIG DATA STORAGE OF A LOGISTICS ENTERPRISE

aramex
delivery unlimited

One of the largest logistics companies in the Middle East

ELEKS team has been playing a key role in transforming and upgrading our IT services to be in line with international best practices. They have proven to be a very responsive and proactive partner.

Omar Mohammad

Process Management Director
at Aramex

eleks

Along with several application development projects, ELEKS helped Aramex to migrate part of their IT infrastructure to the Cloud.

We have created a PoC of a Big Data DWH in Azure Cloud to store all the historical data about shipments. We have recreated the client's on-premises DWH in the Cloud and integrated it with the operational systems for regular automatic data updates.

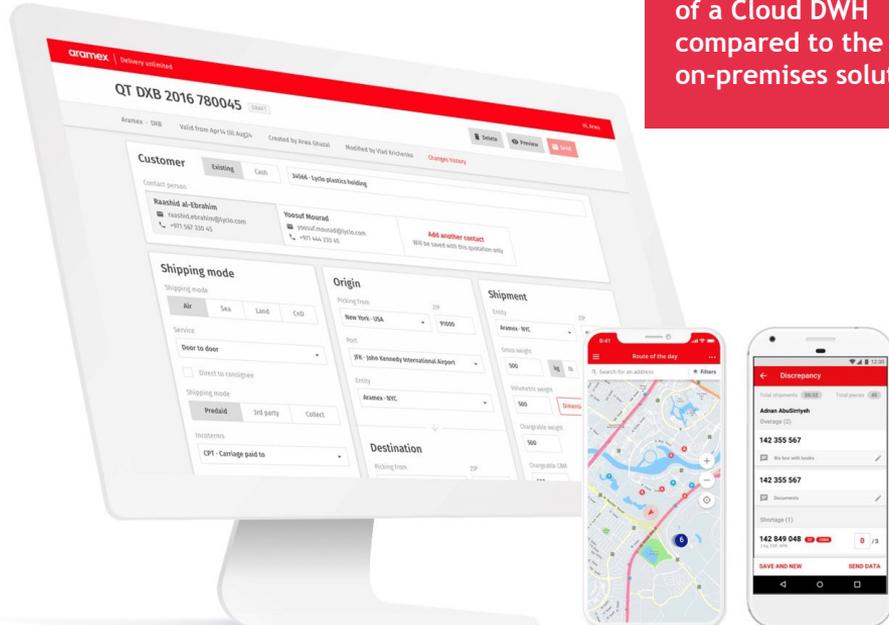
Together with the data, the ELEKS team helped the client to migrate and upgrade several data analytics models that predicted demand, transit time and consignee locations.

Regular retraining of the analytics models

based on the newly generated data

Scalable and flexible storage

that allowed extensive data updates



**Lower
hosting
cost**

of a Cloud DWH
compared to the former
on-premises solution

The logo consists of the word "eleks" in a white, lowercase, sans-serif font, centered within a solid blue square. The background of the entire slide is a complex, 3D geometric pattern of interlocking shapes in various shades of blue and purple.

eleks

The Custom Software Development Company

Have a question?
Write to eleksinfo@eleks.com

Find us at eleks.com