



BUSINESS PROPOSAL

# Cloud Adoption. Our Experience

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## Challenge

From Gart team's experience, **many companies in SMB segment** have very similar infrastructure challenges.

- 1** First, they are **focused on their business or product development** and create internal expertise according to this.
- 2** Second, many companies usually **delegate cloud and infrastructure** responsibilities to one of the most experienced Backend engineers, who could manage infrastructure in parallel with the main development activities.

In most cases, **clouds can be utilized more effectively**: lack of control, flexibility, and scaling, a lot of manual and routine work, high costs can be drastically reduced. Find out how.

# Challenge

The following cloud adoption challenges are prevalent for companies of ~100 employees:

## Scalability

*The faster a company's growth (with its customer base and traffic) — the higher is the need to anticipate scalability issues.*

Companies need to implement automated scaling mechanisms to ensure their infrastructure can handle peak loads, increased traffic and usage.

## Cost Management

*Cloud infrastructure can be expensive, especially if not managed correctly.*

Companies need to monitor their cloud usage and optimize their infrastructure to reduce costs by identifying unused or underutilized resources, using cost-effective cloud services, and implementing cost-saving strategies.

## Security

*More data and applications are moved to the cloud — more companies face increased security risks.*

Companies need to implement robust security measures to protect their data and applications, such as multi-factor authentication, encryption, and firewalls.

## Technical Expertise

*Building and managing cloud infrastructure requires specialized technical expertise.*

Many small product companies may need in-house resources or expertise to manage their infrastructure, which can lead to challenges in implementing and maintaining their cloud infrastructure.

## Integration

*With multiple cloud services and applications, companies can face integration challenges.*

Companies need to ensure their infrastructure can communicate with other systems and services, which requires careful planning and implementation.

## Solution

At Gart, our team of experienced professionals takes a comprehensive approach to address the common challenges associated with cloud adoption.

**We utilize cloud architecture frameworks that align with industry best practices to ensure consistency and reliability.**

Our approach is based on five core pillars:

<b>Reliability</b>	We prioritize reliability in all aspects of our work, from cloud infrastructure design and implementation to ongoing maintenance and support.
<b>Operational excellence</b>	We strive for operational excellence by implementing efficient processes and tools that minimize downtime and maximize productivity.
<b>Security</b>	We understand the importance of security when it comes to cloud adoption and take a proactive approach to ensure that our client's data and infrastructure are secure.
<b>Cost-effectiveness</b>	We work closely with our clients to identify cost-saving opportunities and optimize their cloud usage to minimize unnecessary expenses.
<b>Performance efficiency</b>	We focus on improving performance and efficiency by utilizing the latest technologies and techniques to maximize cloud infrastructure capabilities.

By prioritizing these pillars, we help our clients overcome the challenges associated with cloud adoption and achieve success in their digital transformation journey.

# Adoption process

Nevertheless, if you are migrating infrastructure to the cloud or you already have applications there, **the cloud adoption process looks like this:**



Upon the built foundation, **we start the first pilot migrations** to calibrate the approach, strategy, and estimates and reveal any remaining details, information, and metrics we must prepare for the execution scale. In addition, here we start working with first adopters, show first success cases and learn from those cases, calibrate our overall approach, and **prepare for migration at scale.**

# Benefits of Cloud Adoption

1

## Faster time-to-market

DevOps automation and cloud infrastructure enable faster development and deployment of applications, reducing the time it takes to get your products and services to market.

2

## Improved agility

With a DevOps approach to cloud adoption, your team can quickly adapt to changing business requirements and respond to market demands more effectively.

3

## Increased scalability

The cloud provides an elastic and scalable infrastructure that can quickly accommodate changes in workload and user demand, ensuring that your applications and services are always available.

4

## Enhanced security and compliance

DevOps practices and cloud technologies can help you improve security and compliance by implementing automated security controls and monitoring, reducing the risk of data breaches and compliance violations.

5

## Optimized cost and efficiency

With DevOps automation and cloud infrastructure, you can reduce costs by optimizing resource utilization and automating repetitive tasks, freeing up your team's time to focus on higher-value activities.

6

## Improved collaboration and communication

DevOps practices encourage cooperation and communication across teams, enabling faster problem resolution and improving overall efficiency.

7

## Greater transparency and visibility

With DevOps tools and cloud monitoring, you can gain greater visibility into your infrastructure and applications, enabling you to identify and resolve issues quickly.



## Our offering

### Cloud Strategy Consulting

*We provide consultation to help clients identify and define a cloud strategy that aligns with their business goals, objectives, and budgets.*

#### **Our offering:**

We will review existing infrastructure, applications, and workflows to identify opportunities for cloud adoption due to your business requirements.

### Cloud Architecture and Design

*Work with clients to design and implement a cloud infrastructure that supports their business needs.*

#### **Our offering:**

Develop a cloud architecture, select the appropriate and best in your case cloud provider(s), and design cloud-native solutions for optimal performance and scalability.

### Cloud Migration

*Move existing applications and workloads to the cloud.*

#### **Our offering:**

We will identify the most appropriate migration strategy (lift-and-shift, re-platforming, or re-architecting), assess cloud readiness and dependencies, and provide ongoing support during migration.

### Continuous Integration/Continuous Delivery (CI/CD)

*Implement CI/CD pipelines to automate build, test, and deployment of cloud-native applications.*

#### **Our offering:**

Create build and deployment pipelines, set up source control and build servers, and implement automated testing and monitoring.

### Infrastructure Automation

*Automate the provisioning and management of cloud infrastructure using tools such as Terraform, Ansible, or CloudFormation.*

#### **Our offering:**

We will set up infrastructure as code (IaC) and integrate it with CI/CD pipelines.

# Our Offering

## Cloud Cost Optimization

*Help clients optimize their cloud spending by identifying cost savings opportunities.*

### **Our offering:**

We will implement cost tracking and reporting and provide recommendations for cloud resource optimization.

## Cloud Security

*Implement security best practices and compliance requirements for cloud infrastructure and applications.*

### **Our offering:**

We will configure network security, identity, and access management (IAM), and monitor and log for security events.

## Cloud Training

*We will provide training and support to help your team develop the necessary skills and knowledge to manage and operate your cloud environment effectively.*

### **Our offering:**

Training on cloud technologies, DevOps practices, and cloud management tools.

## Cloud Monitoring and Management

*Our team will provide ongoing cloud monitoring and management services to ensure your environment runs smoothly.*

### **Our offering:**

Once your workloads are up and running in the cloud, we'll help you with ongoing management and optimization. We will continually monitor your cloud infrastructure, applications, and services and provide you with insights and recommendations to optimize performance, security, and cost.



## Why Gart?

**Gart** is a Cloud and Devops services agency that provides businesses with infrastructure setup, automatization, cloud migration, cloud native development, CI/CD, and more.

At Gart we have been helping our customers get the most out of their cloud adoption.

We work to solve your tech challenges on time and budget and provide infrastructure with the endurance it needs **to let you focus on what matters the most – growing business.**

### **Need experts to make your cloud adoption successful?**

If you are interested in cloud adoption by DevOps services and want to hire DevOps engineers, get in touch with us.



## Contributors



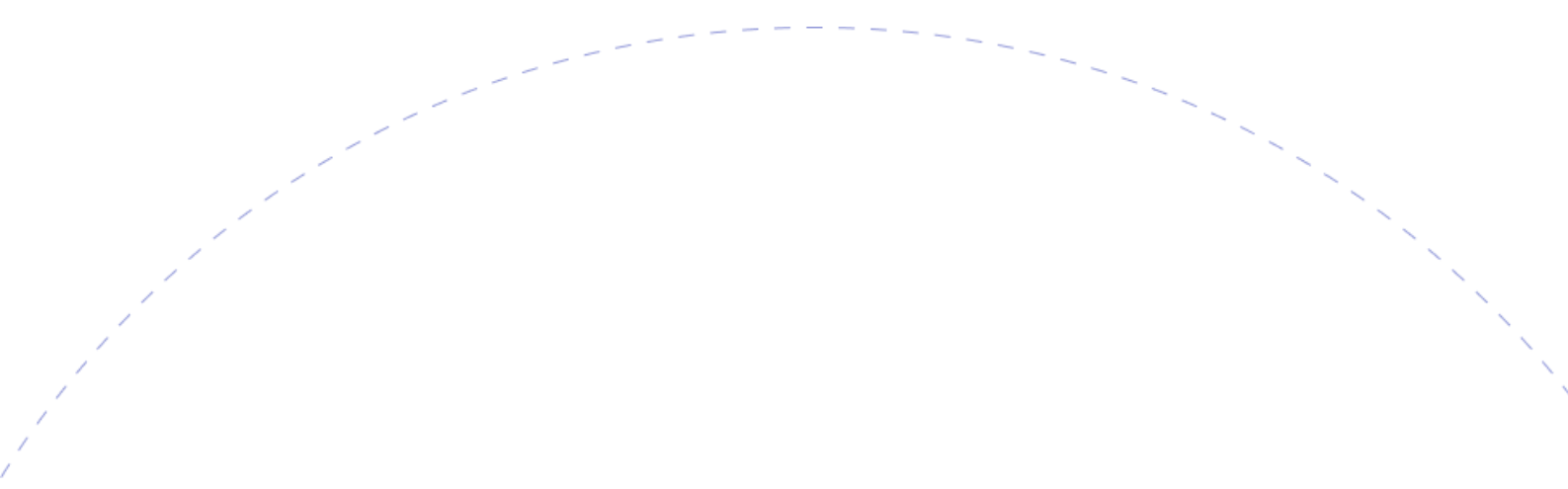
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