

# 8 Business Drivers for Migrating to the AWS Cloud



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## Why cloud, why now?

By migrating some or all of their digital assets to the cloud, businesses can achieve transformational results. They can move and innovate faster, modernize aging infrastructure, scale globally, get better insights from their data, and restructure organizational models to create better customer experiences.

Over its 15+ years of experience helping thousands of organizations successfully migrate to the cloud, Amazon Web Services (AWS) has observed eight business drivers that emerge as the most prevalent motivators for migration.

# Business drivers for migrating to the cloud:

- 1 Cost reduction
- 2 Agility & staff productivity
- 3 Improved security & operational resilience
- 4 Hardware/software end-of-life
- 5 Data center consolidation
- 6 Digital transformation
- 7 Going global quickly, mergers & acquisitions (M&A)
- 8 New technologies (AI/ML & IoT)



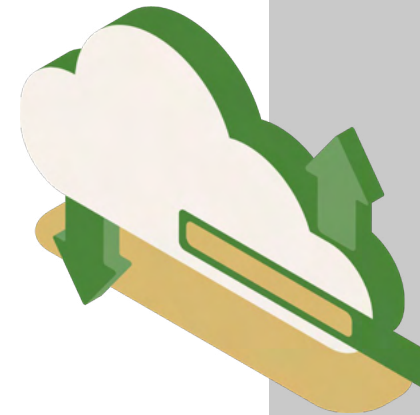
# 1 Cost reduction

The International Data Corporation (IDC) projects that organizations using cloud computing benefit from:

- **51% reduction in operational costs** and
- **31% lower five-year cost of infrastructure.**<sup>1</sup>

Organizations migrating to the cloud can be more competitive, increase customer satisfaction, innovate faster, and achieve greater productivity with resources focusing on core business enablement.<sup>1</sup>

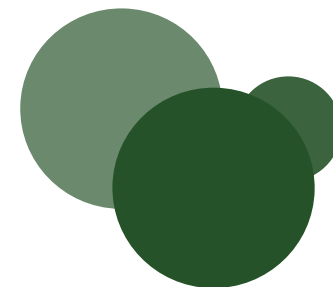
Cost reduction is a major migration motivator, as retiring legacy infrastructure in favor of more efficient AWS solutions is virtually certain to bring costs down.



<sup>1</sup> [Cost Reduction Data Source](#)

## 2 Agility & staff productivity

Flexible AWS architecture improves business agility, while automation allows staff to increase the pace of innovation and dedicate more time to important tasks.



### Agility



33.8%  
higher app  
revenue  
per user



26.4%  
more  
features  
and fixes  
per release



18.8%  
faster time-  
to-market

### Productivity



62%  
better  
IT staff  
productivity

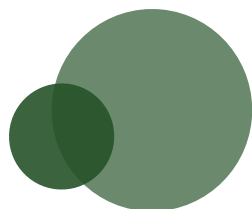


Gain  
3.3x better  
IT staff  
productivity



Gain  
3.2x more  
terabytes  
of data

*After 3+ years on AWS, the average IT admin can:*





### 3 Improved security & operational resilience

Migrating and modernizing with AWS hardens security to help protect against cyber attacks, define and manage access policies, and prevent unauthorized disclosure and modification using encryption and policy-driven controls.

AWS also helps ensure resiliency, providing high availability with virtually unlimited failover capacity.

[Learn more about AWS Cloud Security](#) >>

✓ 43.4% fewer monthly security incidents<sup>2</sup>

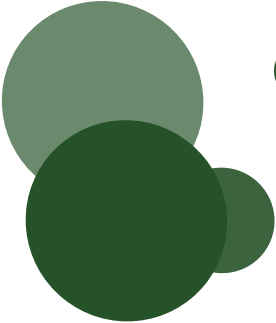
✓ 7x less downtime<sup>3</sup>



## 4 Hardware & software end-of-life



**Migrate Windows-based environments to AWS and achieve, on average:<sup>4</sup>**

- 
- ✓ 442% Five-year ROI
  - ✓ 9-month break-even point
  - ✓ 56% Cost savings

Many organizations migrate to AWS due to the end-of-life (EOL) of their hardware/software licensing and/or support.

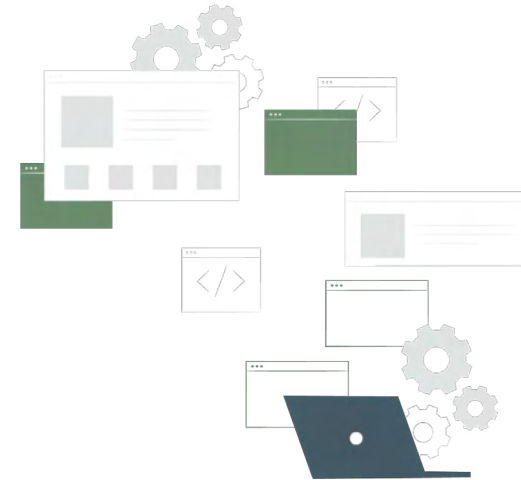
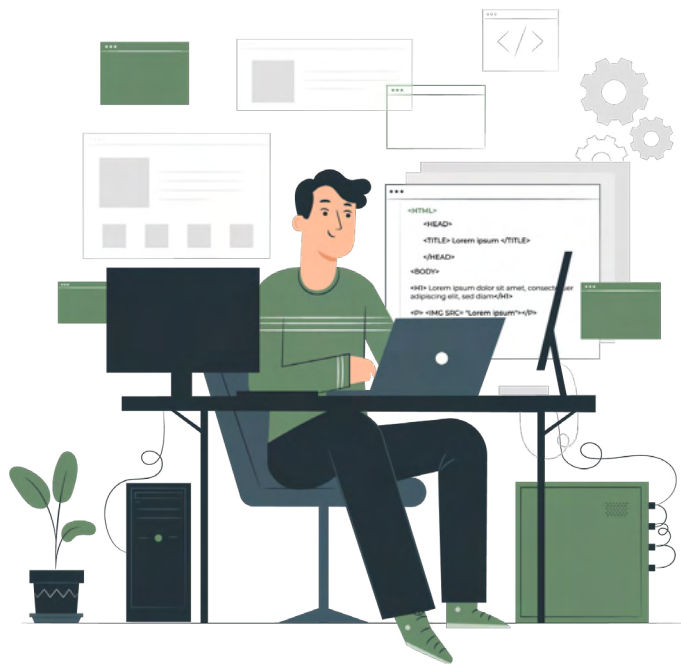
These companies see the cloud as an opportunity to improve depreciating capabilities and to end or shorten refresh cycles.

This is especially compelling for organizations running Windows workloads and applications. According to an IDC report, AWS runs nearly 2x more Windows server instances than the next largest cloud provider.

[Learn more about Windows on AWS](#) >>

## 5 Data center consolidation

Organizations can spend less time managing data centers and more time running their businesses by migrating to AWS.



## 6 Digital transformation

Migrating to AWS helps businesses achieve digital transformation by boosting agility, enabling broader use of advanced technologies, and facilitating culture change.



## 7 Going global quickly, mergers & acquisitions (M&A)

When customers choose to migrate to AWS, they gain access to a global network of data centers – enabling rapid, strategic scalability.

AWS also makes it easier to integrate digital assets, shortening and streamlining M&A procedures.

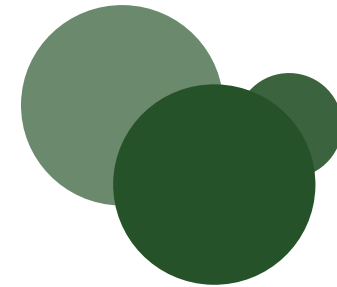
[Explore the full breadth and depth of AWS Global Infrastructure >>](#)

### **AWS global infrastructure:**

26 worldwide regions

245 countries and territories

84 availability zones



# 8 New technologies (AI/ML & IoT)

Migrating to AWS is a more economical and practical solution for meeting emerging technologies' data storage and computational requirements such as artificial intelligence/machine learning (AI/ML) and the Internet of Things (IoT).

[Learn more about AWS AI/ML >>](#)

[Learn more about AWS IoT >>](#)

## AI services

### **Vision**

Amazon Rekognition Image  
Amazon Rekognition Video  
Amazon Textract

### **Speech**

Amazon Polly  
Amazon Transcribe

### **Language**

Amazon Translate  
Amazon Comprehend

### **Chatbots**

Amazon Lex

### **Forecasting**

Amazon Forecast

### **Recommendations**

Amazon Personalize

## ML framework + infrastructure

Amazon EC2 P3 & P3DN  
Amazon EC2 G4  
Amazon EC2 C5  
Amazon FPGAS  
AWS IoT Greengrass  
Amazon Elastic Inference  
AWS Inferentia

## ML services

### **Amazon SageMaker**

Ground Truth  
Notebooks  
Algorithms + AWS Marketplace  
Reinforcement Learning  
Training  
Optimization  
Deployment  
Hosting

# AWS – the best choice for any migration motivation



No matter what motivates businesses to migrate to the cloud—one of the eight drivers described in this eBook, any combination of them, or something else entirely—AWS can help them achieve their objectives quickly and efficiently.

With the best software, services, and support, AWS enables smart, strategic migrations for businesses of every shape and size.

# About TESCHGlobal

TG is a team that is dedicated to bridging the gap between business and IT operations for our customers by aligning business strategy and digital technologies. Our entrepreneurial spirit and our passion for seeing our customers succeed have earned TESCHGlobal placement on Inc.'s list of the nation's fastest-growing private companies.

TESCHGlobal is rooted in a solid foundation that is nurtured and has evolved organically over time. As a team, we've grown together through determination, purpose, and commitment. We harness a passion for continuous improvement of ourselves and in helping organizations discover their potential in addressing their most complex challenges.



TESCHGlobal





# Benefits of migrating to AWS with TESCHGlobal

## ***Customized Solutions***

TESCHGlobal delivers high-quality, customized solutions to meet client-specific needs.

Solution engineers can help you design and implement an AWS infrastructure that aligns with your business goals and objectives.

## ***Cost Optimization***

By customizing solutions that fit your business needs, TG can reduce overall costs, as you only pay for the services you need.

Save money on your AWS infrastructure costs by partnering with TESCHGlobal.

## ***Expertise***

With technical experience managing and optimizing AWS cloud infrastructure, TG is your best solution for migrating your digital assets to a cloud-based infrastructure.

## ***Valuable Partner***

Our approach to partnership-based consulting and commitment to delivering excellent customer service makes TESCHGlobal a reliable and valuable partner to you and your company.

# Case study: *Sheer Logistics*

As a transportation solutions provider, Sheer Logistics integrates advanced technology, powerful analytics and specialized expertise to provide tailored business intelligence that enables customers to ship quickly, safely, and cost-effectively.

## ***Sheer's goal***

To improve data transparency and expand capabilities in developing customized business intelligence (BI) applications for its customers.

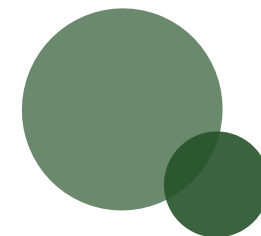


## ***Challenges***

- Migrating from a legacy system to a Snowflake data warehouse that feeds Tableau for self-service/automated reporting for customers.
- Lack of in-house IT resources, IT leadership focused on the enablement of company growth.
- Errors continually halt legacy system processing.
- Slow 8-hour run times reduced BI optimization.



# Case study: *Sheer Logistics*



## Solution

TESCHGlobal analyzed existing code, workflows, and documentation and made recommendations to design and refactor the EDW.

- Refactored 65 jobs for the Snowflake data warehouse, correcting issues and tailoring jobs per BI-developer feedback as they worked with the new EDW.
- Replaced legacy hosting and data management tools with Stratm, TESCHGlobal's cloud-based integration platform.
- Led Sheer's migration to AWS for a stable cloud environment.
- Managed Services with access to a scalable technical team to accomplish sophisticated BI projects that support transparency and customer growth.

## Results



Reduced data processing from eight hours to two allowing it to load multiple times per day and for Sheer to scale horizontally and reduce cost.



Cleaner, more real-time data.



On-demand technical team enables Sheer to be flexible to engage customers with data sharing and Tableau data visualization.



Savings of more than \$250K year over year.

# Learn more

Get started with TESCHGlobal to solve your business challenges with technology-agnostic solutions today. Learn more about TG and our services by exploring our website at [www.teschglobal.com](http://www.teschglobal.com).

If you have any questions, send us a message at [info@teschglobal.com](mailto:info@teschglobal.com).



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