CASE STUDY

EPAM's Cloud Expertise Helps MeteoGroup Reduce Costs & Increase Scalability

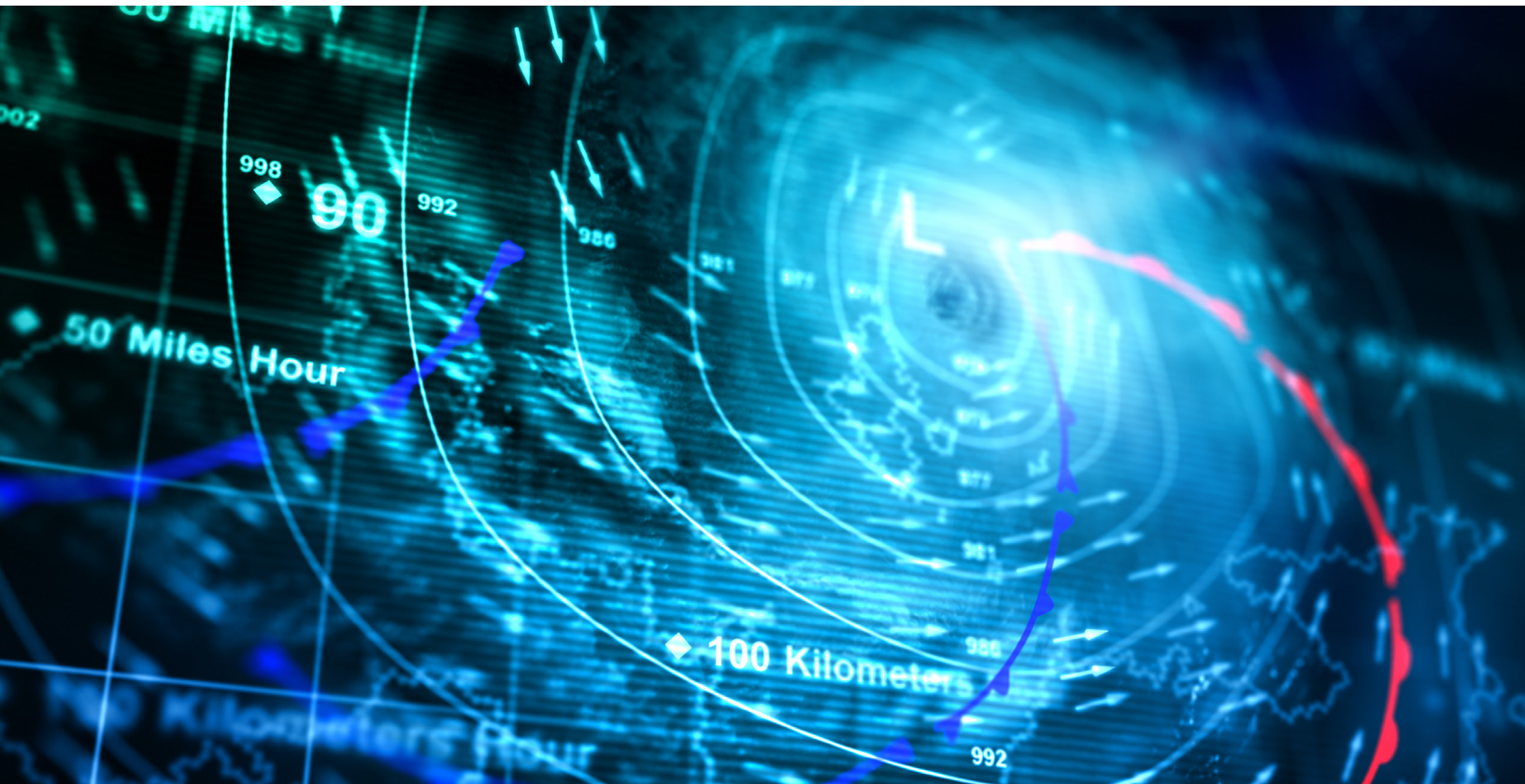
CASE STUDY

EPAM's Cloud Expertise Helps MeteoGroup Reduce Costs & Increase Scalability

Unpredictable weather disrupts the performance of 70% of businesses worldwide. As a result, data-driven weather solutions have become increasingly important to companies across industries, including agriculture, energy, insurance, government, telecommunications and retail. Utilizing data to better predict weather conditions enables organizations to make informed decisions, resulting in increased revenue and cost reduction.

MeteoGroup, a private weather and advanced technology company, leverages its products and services to help customers improve weather-related decision-making. In the wake of digital disruption, more and more organizations need to free up resources from day-to-day operations to focus on innovation. In order to accomplish this, MeteoGroup needed to digitally transform as an enterprise. The first step in the company's digital journey was to migrate its on-premise data centers to the cloud and optimize its infrastructure using automation and DevOps best practices.

MeteoGroup turned to EPAM due to its existing partnership and cloud expertise. As a result of EPAM's work in delivering a new cloud solution, the company was able to better manage vast amounts of data, improve products and services for its customer base, dramatically reduce costs and free up its resources to focus on innovative, revenue-generating projects.



CASE STUDY

EPAM's Cloud Expertise Helps MeteoGroup Reduce Costs & Increase Scalability

OUTDATED HARDWARE AND INFRASTRUCTURE RESULTS IN COSTLY OVERHEAD FOR METEOGROUP

With millions of consumers relying on MeteoGroup for accurate weather data, the company struggled to manage overwhelming amounts of data and the increasingly high costs associated with a legacy, on-premise data center. Additionally, the company faced the following challenges, including:

- Risk of hardware failure
- Reliance on a remote, single power, single ISP server room
- Absence of automated provisioning
- Drain on resources spent on low-tech, non-revenue-driven initiatives
- Delayed and incomplete data reporting
- Loss of revenue as a result of downtime
- Lack of disaster recovery
- Limited scalability

To address these challenges, MeteoGroup needed a technology partner to help implement an optimized cloud-based solution.

CASE STUDY

EPAM's Cloud Expertise Helps MeteoGroup Reduce Costs & Increase Scalability

METEOGROUP MOVES A STEP CLOSER TO DIGITIZATION ACROSS THE ENTERPRISE

Given the success of its existing partnership and cloud expertise, MeteoGroup entrusted EPAM to optimize its infrastructure and address its costly data challenges. After assessing the existing infrastructure and services in the company's data center, EPAM proposed creating a holistic integrated platform for MeteoGroup by leveraging Amazon Web Services (AWS) as the foundation of the technology stack.

EPAM's Cloud Architects, DevOps and Systems Engineers collaborated with the team at MeteoGroup to:

- Migrate the existing on-premise data center to the cloud using AWS
- Re-engineer setup and configuration
- Update its operating systems
- Create an automated solution using DevOps best practices
- Automate provisioning
- Optimize the number of applications and move them to the cloud
- Implement a disaster recovery solution
- Provide 24/7 support and monitoring for products
- Reduce downtime

TECHNOLOGY STACK AT A GLANCE

- AWS
  - CloudTrail
  - CloudWatch
- SparkleFormation
- Puppet
- ELK Stack
- Icinga

CASE STUDY

EPAM's Cloud Expertise Helps MeteoGroup Reduce Costs & Increase Scalability

"The teamwork and collaboration with the EPAM team was outstanding. We have been in constant communication with the project team and were able to adapt the approach to fit our needs. EPAM did a great job arranging the team, as there were several subject matter experts whose skills complemented each other."

- JOSEPH BAUER, DIRECTOR OF INFRASTRUCTURE, METEOGROUP

CLOUD-BASED INFRASTRUCTURE ENABLES METEOGROUP TO REDUCE DOWNTIME & FOCUS ON INNOVATION

With the new and improved cloud solution in place, MeteoGroup's on-premise servers were fully migrated to the cloud. The new cloud-based solution addressed MeteoGroup's initial challenges and achieved the following results:

- Decreased Costs
- Reduced downtime
- Freed up resources to focus on new revenue driven-initiatives and technology innovation
- Implemented DevOps best practices to increase reliability and provide stability
- Improved customer experience with accuracy and timeliness of data reports
- Automated provisioned inventory and services deployment
- Increased scalability
- Improved service monitoring

EPAM continues to partner with MeteoGroup on its digital transformation journey.

CASE STUDY

EPAM's Cloud Expertise Helps MeteoGroup Reduce Costs & Increase Scalability

ABOUT METEOGROUP

MeteoGroup, the global weather authority, combines accurate science with advanced technology and local expertise with global reach. MeteoGroup is trusted by hundreds of government agencies, thousands of companies and millions of consumers.

ABOUT EPAM

As an AWS Advanced Consulting Partner, EPAM works with its global customers to design, migrate, build and support sophisticated cloud applications on AWS with increased flexibility, scalability and reliability. As of 2018, EPAM has over 2,000 AWS engineers, 90 AWS business and technical accreditations, and has delivered over 300 projects running on AWS.

QUESTIONS?

Contact us at Sales@EPAM.com
or visit us at EPAM.com

<epam>