



SOLUTION OVERVIEW

ABOUT TECHMILEAGE



- Founded in 2008 / Tempe, Arizona
- Over 100 engagements
- Full range of business & technology services
- Software Development, Big Data, Cloud/AWS, BI, Advanced Analytics and QA

Strategy Services

- Technology Assessments and Future State Definition
- Analytics Assessment and Planning
- IT Advisory Services and Planning

Technology Enablement

- Application Development
- Big Data and BI Design & Implementations
- Advanced Analytics
- Cloud & AWS
- QA / Testing, Modeling, Security and Mobility

Ongoing Support

- Application Management
- IT Governance and Oversight
- Analytics Governance
- IT Managed Services
- Back Office Support / Management

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NETGEAR®

Matson.

GRAND CANYON
UNIVERSITY™

APRIVA®

APOLLO
GROUP

OUR AWS SERVICES



Deploy and provision applications on multiple servers in no time using our AWS machine images and our custom service orchestration tools.

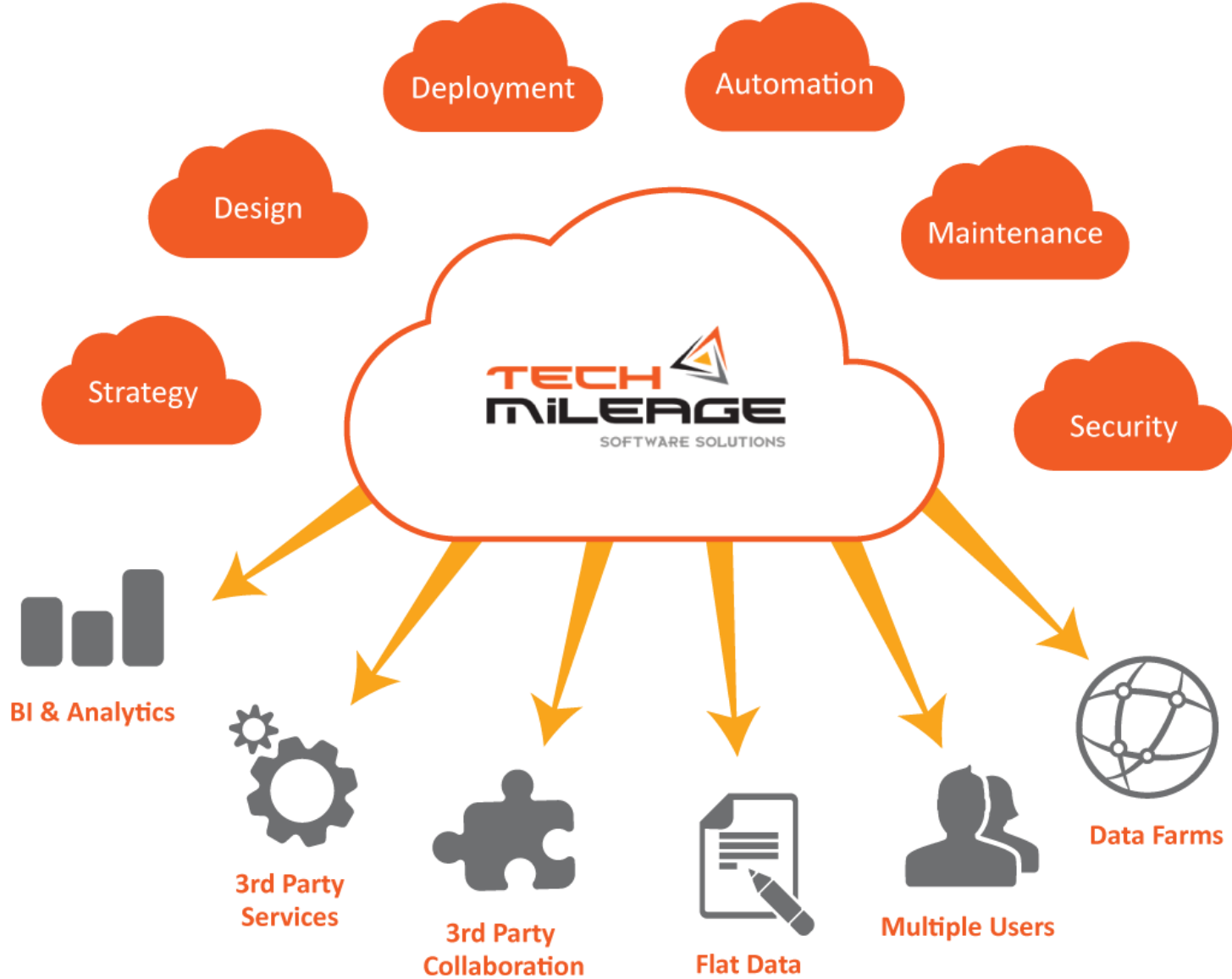
A Valued Partner

- End to end AWS solutions including Strategy, Design, Deployment, Maintenance
- Experts with automation, security and highly scalable AWS infrastructure
- Build solutions past limitations by leveraging the best in class AWS APIs.
- Benefit from the cost savings and elasticity of our change-ready solutions with little latency.
- Leverage your existing resources for maximum benefits and flexibility.
- Greater speed to market through our managed services.

Key Benefits

- Highly scalable solutions
- Migration expertise
- Optimized infrastructure expenses
- Innovative architectures in-line with strategic outlook
- Minimized implementation risk
- Maximized resource utilization
- Cost-effective DevOps and Maintenance
- Knowledge from varied industry experience
- Collaborative and transparent model of execution

COMPLETE AWS SOLUTION



OUR APPROACH

Design

Our strategy team can help you design a new platform from ground or tweak an existing cloud strategy. We identify and classify workloads that are suitable for migration to the cloud.

Develop

We collaborate with you to develop tailored solutions for unique challenges and to meet your most pressing needs. We conceptualize our cloud solutions integrating all aspects of your IT environment.

Deploy

Our implementation and deployment methods ensure reduced deployment costs and faster deployments. Our unified approach reduces time to provision the development and test environments. The scalability, availability and security of our solutions enable you to easily adapt your systems and scale up or down as needed.


Optimize

We use Chef, Amazon Cloud Formation frameworks, our own custom solutions, and a variety of third party tools to achieve automation, optimization, and orchestration of your cloud solution.

Maintain

TechMileage is backed by the deep experience of our teams who help you with monitoring, support, and ongoing maintenance services. They will help you ensure your solution delivers maximum value across agility, cost savings and service performance goals.

WHY TECHMILEAGE?



TechMileage can help you effectively implement your end-to-end cloud applications based on Amazon Web Services (AWS).

- **Experience** – Our team of experienced architects, consultants, and engineers has worked with a varied list of clients and partners to develop innovative cloud solutions
- **Speed** – Our streamlined methodology ensures we can migrate your legacy systems to the cloud quickly.
- **Quality** – Our solutions map across all of your business operations, locations and are fully integrated with your existing systems and business processes. Our solutions are secure and highly scalable
- **Flexibility & Partnership** - Our Partnership oriented flexible engagement model provides best value to clients



CASE STUDIES

SOCIAL MEDIA DATA COLLECTION SUITE

Challenge

Design and develop AWS based very complex, high availability data collection system, with multiple input streams of structured and unstructured data

Solution

- Business Metrics Dashboard
- Hive + Amazon S3 + MySQL
- Pentaho Business Intelligence Suite
- AWS Cloud-based Production Support
- EC2/S3/SQS-based Application Support
- 200+ Servers on AWS
- RightScale-integrated Monitoring
- EC2 Instance Management
- AWS-based Web Services Support
- EC2-based Hadoop/Hive/Cassandra Support
- Chef based Automation



MIGRATION FROM PRIVATE CLOUD TO AWS

Challenge

Moved over 20 virtual servers and 10 services from VMware-based private cloud to AWS in 15 months. Services were customer-facing with 1,000,000 users accessing daily. 100% uptime was required during migration

Solution

- Delivery of the overall solution required significant modifications to existing J2EE application design
- Designed in fault tolerance at networking, server storage for failover between private cloud and AWS
- Solution allows for true cloud bursting between private data center and AWS during migration



vmware®

MID-SIZED LOGISTICS CLIENT – TRACKING AND DISPATCH APPLICATION

Challenge

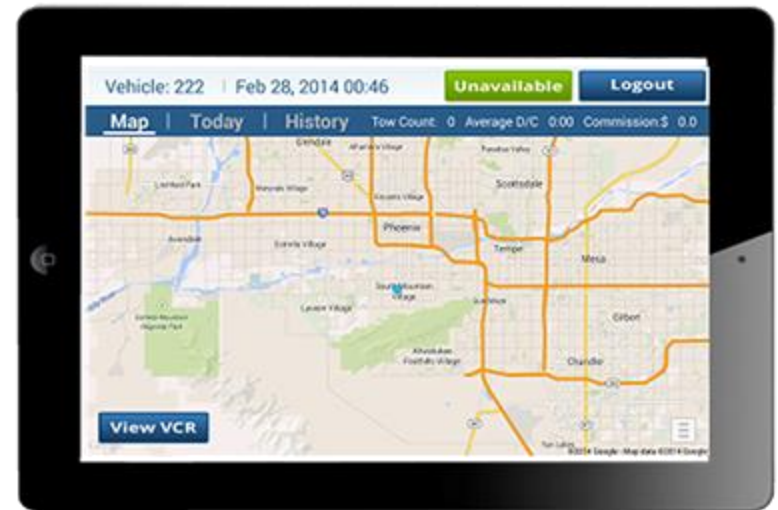
Logistics client with was struggling to deliver high quality services to its clients due to old technology and limited reporting and analytics capability.

Solution

TechMileage created a new generation tracking and dispatch platform with mobile interface for drivers:

- AWS based highly scalable infrastructure to support 300+ concurrent clients
- Versatile mobile application provided full functionality for driver operations.
- Web interface for backend operations
- Reporting and financial integration
- Built to support iOS and Android

Product is functional and is in beta phase with one of the largest towing company in western US.



SOCIAL/VISUAL ANALYTICS COMPANY

Challenge

Real-time pattern matching, tagging and categorizations of images and videos

Solution

- MapReduce processing for identifying patterns in uploaded images and videos
- AWS Cloud-based development and deployment
- Basic image processing application
- Object identification in images and videos
- EC2 auto-scaling
- S3-based object storage
- SQS-based communication and job processing
- AWS Cloud-based production support
- Chef based automation

