infosistema
by JOYN

DATA MIGRATION MANAGER

Striving for ZERO production errors

CASE STUDY: ⦿ devoteam

"The end users always generate the best testing errors."

That's why testing with real production data makes all the difference.

With DMM, our project team had full autonomy to update the data throughout the different production environments with fully anonymized real user data compliant with GDPR. The impact on production was a significant reduction in reported errors." - *Devoteam Project Team*

Receiving anonymized production data for the lower environments is useful for more than troubleshooting issues. Doing this proactively with selected data sets, with an automation tool like DMM allows us to:

- offer our OutSystems developers a better working environment, so they can focus on what they do best - increasing overall code quality, reducing re-coding needs, and doing things right on the first try;

- give the QA team a test environment with all the corner-cases and data that looks real (although scrambled), which makes creating test-cases easier and speeds up the DevOps process;

- From the above, we've been able to speed up the deployment of new features (better time-to-market) while at the same time increasing the quality of the user experience (UX).
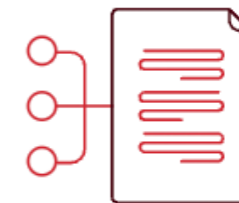
2
Applications

115
Entities

2
Modules

The
Challenge

Devoteam was striving for **ZERO errors** in the production stage, where the biggest challenge is user data in context. Users can generate the most creative errors in any platform which cannot be found in any data set no matter how well it was developed.

To overcome this challenge, the team needed production data for testing in all the non-production stages. This generated data created new obstacles such as GDPR compliance and data migration in a fast, on-demand system between the different development stages.

"A tailor made project doesn't make any sense when you have a solution like DMM with a high level of performance and reliability."

– Devoteam OutSystems Tech Lead

The
Decision & Methodology

Devoteam has worked with and repeatedly recommended DMM as the solution to these kind of projects. In this case they required DMM to retrieve updated production data, anonymize it while maintaining its integrity and any potential user error, then migrate it to the other development stages for more accurate testing.

The usage of real user data is something that requires GDPR compliance as well as the possibility to maintain data integrity regardless of any user error.

There was also a need for all the processes to be completed on-demand to refresh the data with the most recent values.
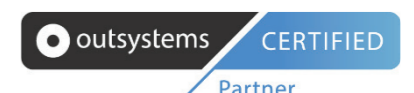
Choosing DMM was the easy part! The implementation was fast, with quick iterations and some questions during the setup and first migrations.

When contacted the support team was present, responding and helping in every step of the way.

The Partnership

Devoteam is a leading consulting firm focused on digital strategy, tech platforms, and cybersecurity. With 25 years of experience and more than 8,500 employees across Europe, the Middle East, and Africa, Devoteam promotes responsible tech for people and works to create better change.

With a dedicated team of experts in the OutSystems technology, and a project portfolio that ranges from aeronautics to agriculture 2.0, healthcare, biopharma and financial services, Devoteam combines creativity, tech and data insights to empower their customers to transform their business and unlock the future.

devoteam

DMM Data Migration Manager

outsystems CERTIFIED Partner

The
Results

The end result could vary according to the number of tenants that were migrated at intervals of 2 hours per project and approximately 30 minutes per tenant.

Εvery migration encompassed approximately 1.4 GB of data to be anonymized and migrated.

With this methodology in place, the ZERO error goal in the production stage got a lot closer to becoming a reality. **The errors were detected in earlier stages and corrected leading to a much better user experience.**
DMM was paramount to perform the regular refreshes of the development test and acceptance stages that were required on the road to the ZERO production error goal by making it easier to migrate data to the other stages in the environment. In the mid-term, Devoteam/Outfit was also using DMM's data anonymization features to help comply with GDPR and information security rules and best practices.

"To achieve a high project efficiency, the usage of DMM is the most natural way to work in any OutSystems project, since you will have to migrate data between all stages of the development process all the way to production."

- Devoteam Project Team

The
Platform

OutSystems provides the enterprise Rapid Application Delivery (RAD) platform that makes it easy to develop apps and deliver them seamlessly across iOS, Android, Windows Phone, and the web while integrating with existing cloud and on-premises databases and systems of record. The OutSystems Platform enables the rapid delivery and effortless change of large application portfolios and is available as a public cloud, private cloud, and on-premises solution.

Infosistema has been an OutSystems partner since 2004, allowing us to deliver agile and flexible solutions to our customers while responding to a market with business needs that are constantly changing.

What OutSystems projects are you working on? Share your challenges with us and let DMM surprise you!

Download now from OutSystems' Forge

Infosistema provides business and technology consulting services for the Banking, Insurance, Industry and Services sectors, focused on Digital Transformation with Systems of Engagement, Integration & Advanced Analytics.

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