VAMOSA TECHNOLOGIES

MIGRATION METHOD OVERVIEW

LIFE IS FOR SHARING.

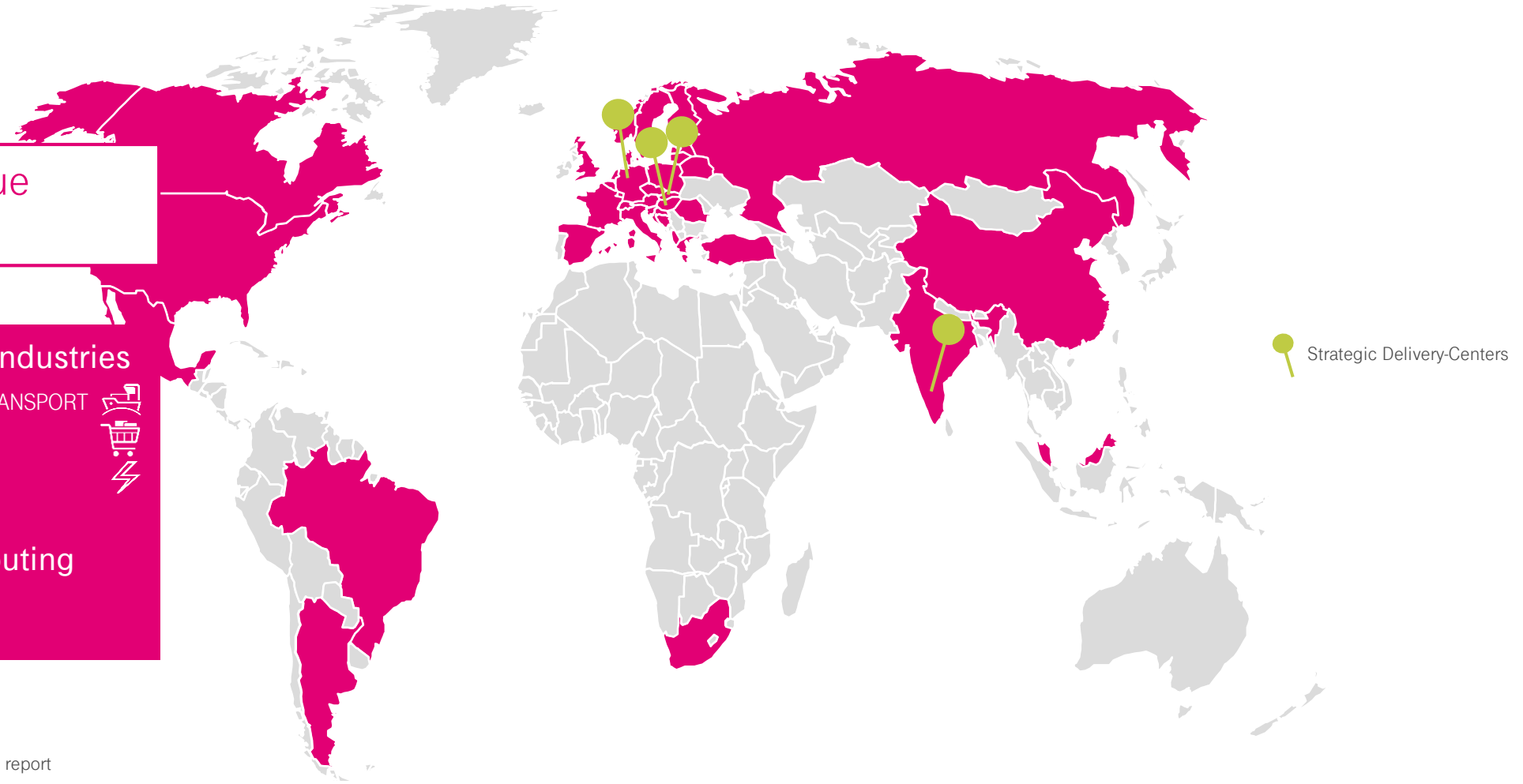
T-SYSTEMS – DEUTSCHE TELEKOM'S SUBSIDIARY FOR MAJOR CORPORATIONS

6.9 billion € revenue
38,000 employees

IT & TC Services in all industries

AUTO & MI
PUBLIC
HEALTH
TRAVEL & TRANSPORT
RETAIL
ENERGY

Pioneer in Cloud Computing
Multinational corporations
& public sector



Financial figures taken from DT's 2017 annual report

MIGRATION PROCESS - OVERVIEW

With Vamosa Technologies, T-Systems is a pioneer in enterprise level content migration. This is the practice of transforming, enhancing and moving data from one platform to another with minimum disruption to ongoing business activities. The use of leading edge software and a framework of policy based rules enables organisations to realise the highest benefit from their information assets

The T-Systems/Vamosa Migration Method was created as a process to formalise the experience gained through many complex content migration projects and to provide an efficient and dependable migration solution

In conjunction with a delivery team with unparalleled experience in data migration projects and a flexible, fully scalable toolset, T-Systems has the ability to accurately plan and deliver large scale migration projects. The process has been proven to increase quality and consistency through the entire migration process

- The method provides a safe, secure and repeatable process designed to have minimal impact to ongoing business activities and is fundamental to successful and consistent delivery
- Migrate data seamlessly from one platform to another while enhancing quality by improving metadata, removing duplication and applying structure
- An end to end migration process defined in seven distinct phases. Each phase with its own deliverables and quality ensured by checkpoints and validation of inputs/outputs at each stage

MIGRATION PROCESS - SOFTWARE

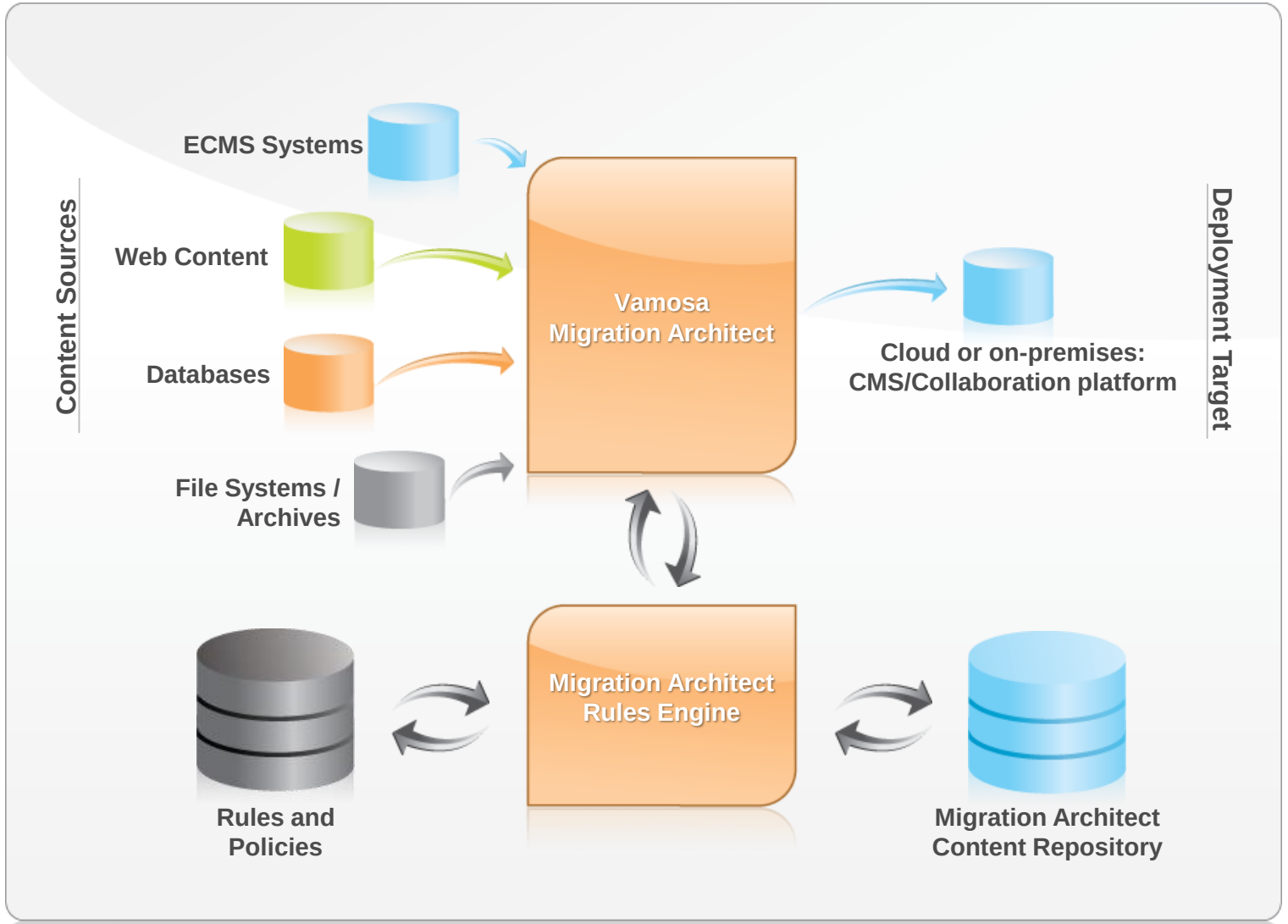
The Vamosa Migration Architect product suite is designed to be flexible and able to adapt to the requirements of any data migration

- Core libraries and connectors provide the functionality required for the majority of data migration projects
- Tasks are configurable using parameters to set connection properties, include/exclude patterns, in-scope domains etc.
- Migration Architect product is developed in-house and has evolved into a fully scalable and adaptable solution to allow high performance migration of data from any source to any target
- Very specific, custom migration requirements can be catered for using new or modified tasks, building on the extensive functionality already available in the core libraries
- Source to target mappings are added as input resources. This approach allows mappings to be easily changed for future sites or projects
- Once developed, the migration process can be driven through a web based ‘wizard’ interface, allowing for customer self service in longer running or phased projects

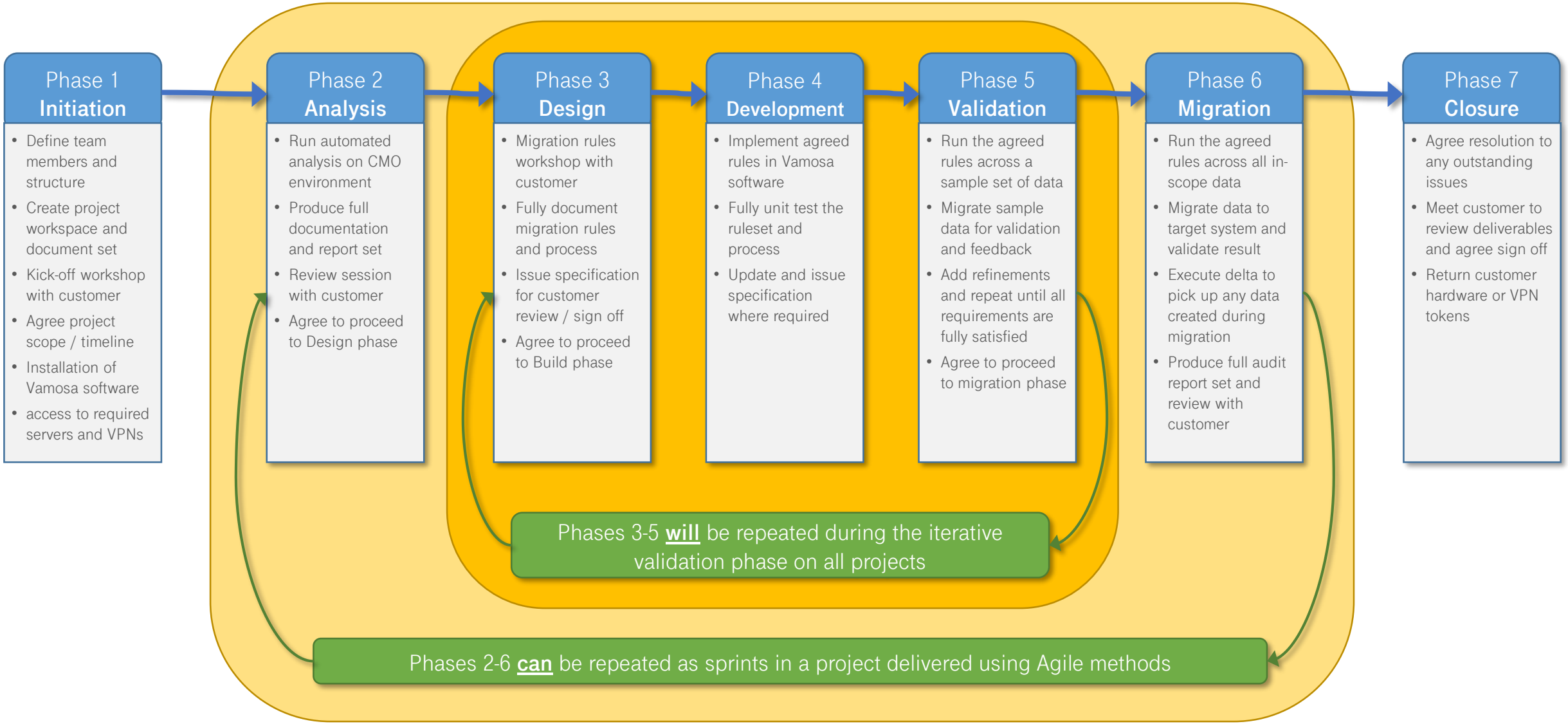
Reusability is key and the approach of using common libraries with configuration and input resources allows similar source data to be migrated within minimal additional effort

Repeatable, expected results are produced in-line with the migration strategy

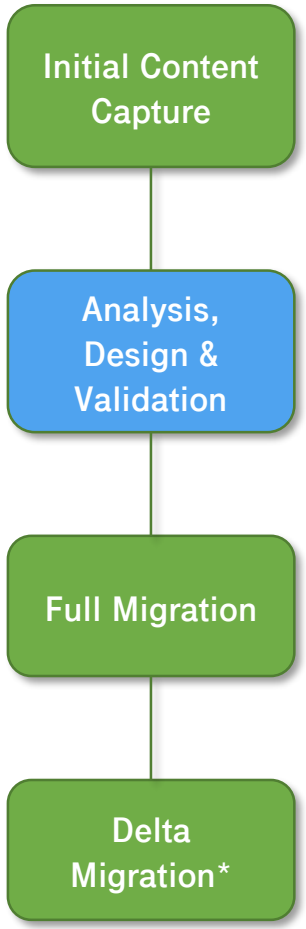
VAMOSA MIGRATION ARCHITECT – HIGH LEVEL



MIGRATION PROCESS – PHASE OVERVIEW



MIGRATION PROCESS – NO IMPACT TO CURRENT SYSTEMS



- Source content captured to offline repository – no impact on live service during migration
- Initial capture used for content analysis, design workshops and migration validation
- Build a comprehensive assessment of the current content structure, quality and volume

- All development and testing of migration scripts and framework uses an offline copy of this content
- Iterative, Agile approach allows multiple test load and refinement cycles
- Refinements to templates, mappings and information architecture can be fully tested before moving on to the final migration

- Late in project to ensure all recent content is captured and to minimise content freeze
- Migration transformations executed and verified with any exceptions tracked
- Finally, content is loaded to new target environment using the published vendor API
- Capture, transform and load process happens quickly to minimise or remove need for content freeze

- *Optional stage to migrate any content created during migration live run
- Only required if freeze isn't possible and a significant volume of content is created
- Delta content transformed, validated and loaded as before

MIGRATION PROCESS - RESULTS

Content Migration is no longer a simple “lift and shift” operation. Inflexible manual and scripted approaches to large migration projects typically fail and at best deliver poor quality, broken links and missing content

- The Vamosa Migration Method brings flexibility, structure and control to a migration project
  - Each action can be easily rolled back, modified and re-run to accommodate mid-project design changes
  - No changes are made to the original source data. All modifications take place within the controlled environment of Vamosa Migration Architect
  - Full traceability of each piece of data and all actions taken through the migration

- The expertise and experience of the T-Systems Vamosa team ensures high quality and smooth delivery of these often complex projects
  - Mappings between source and target systems are tested and reviewed with the customer team before migration
  - Multiple test runs are executed with sample data to allow refinement of mappings and validation of target environment
  - Recommendations on content quality and enhancement are provided throughout the migration to support the customer and ensure the end result lives up to user expectations

VAMOSA TECHNOLOGIES

MIGRATION METHOD OVERVIEW

LIFE IS FOR SHARING.