



Data Migration Testing

Plotting a Smooth Path to Data Migration

Businesses spend billions of dollars migrating data between information-intensive applications. Yet up to 75 percent of new systems fail to meet expectations, often because flaws in the migration process result in data that is not adequately validated for the intended task.

Because the system itself is seen as the investment, any data migration effort is often viewed as a necessary but unfortunate cost, leading to an oversimplified, underfunded approach. With an understanding of the hidden challenges, managing the migration as part of the investment is much more likely to deliver accurate data that supports the needs of the business and mitigates the risk of delays, budget overruns, and scope reductions that can arise.

Data Migration Testing

Testing of a data migration suite is itself often a moving target. The deployment of the new system often gets squeezed by other business priorities, leaving little migration testing time. Unit testing should identify holes in what has

been built, but because the unit testing is conducted on a small sample of data, the results are unlikely to be representative of the whole data set.

It is quite often heard that an application is moved to a different server, the technology is changed, it is updated to the next version or moved to different database server etc.. The entire database is migrated to a new version or totally to a new platform. In the both the cases, when the data is pushed to the new environment, it is important to be assured that the records are being correctly migrated and their vital/ essential values are correct, as earlier. SSPL, with its team of experts in this field, help the clients to test the migration with 100% records being analyzed on its tool, and tested with user required parameters.

It helps to identify the shortcomings and data related issues, from the earlier version to the new version. Assures on the critical GoLive day, everything is perfect and as per the expectations.

The technology with its critical technical advancements, help the clients to gain better in-sights of the migrated data tables, fields and records. **Project Challenges were:**

1. Cleanse the data at the application level.
2. Data that is still not harmonised from the step no. 1, need to be managed and prepared using Advance Data Massaging methodologies.

3. 100% comparison of all the tables and fields.
4. Entire comparison and migration process to be automated to be executed on GoLive Day, in a man-less mode.
5. Fully customisable logics and conditions can be incorporated in shortest possible time.
6. Solution shall be automated for the users to receive reports over emails.
7. Output reports can be customised as per the needs and requirements.
8. If new application is being migrated, SSPL also perform application testing.



The Risks of Overlooking Data Content

Basing rules on examination of small source data samples and relying on metadata descriptions is a major risk that is likely to mean that:

- Time and budget estimates will fall short of actual needs.
- The target system will not perform effectively
- Workarounds will need to be implemented and resourced
- Remedial data cleansing work will need to be devised and resourced
- The costs of missing the deadline will include maintaining the team and incurring continued running costs of legacy systems and downtime on the target application
- The new system will be blamed, making it harder to gain user acceptance

- Management confidence will be questioned

Our Technology Solution

assureBI has proven that we can make it easier and more cost effective to implement and use analytics within your team and audit processes. assureBI capabilities simplify and support your path to analytics at every stage. We used assureBI Server and Desktop to perform the Data Migration Testing.

About SSPL

Substratal Solutions P. Ltd., (SSPL) and **Substratal Solutions Middle East WLL**, is a consulting organization and through its team of professionals has been working in the field of **Big Data Analytics, Data Visualization, Robotics Analytics, Business Intelligence, Digital Transformation and Predictive Analytics**. Through its services SSPL has been successful in serving many major Corporates both in India and Overseas. It now expands its operation by starting **Global Analytics Hub** in Gurgaon, with 24x7 operations. SSPL was conferred with the **Best Big Data Analytics Solution Company Award**, by WQPC. To know more about our services and solutions, please feel free to write us at info@sspl.net.in or info@ssplme.com

powered by:

