

Communication Management company

SwisSQL helps Communications Management Company in migrating their database from Sybase ASE to Oracle

The Communications Management company saved over \$ 61,600 and 9 person months, migrating their Cellular communications management applications from Sybase ASE (Adaptive Server Enterprise) to Oracle using SwisSQL

Case Study Snapshot

The Communications Management Company is a leader in design, population, and management of communication system data warehouses. The company offers database development and administration for mission critical applications from satellite system control to publishing and manufacturing systems.

Business Challenge

The Communications Management Company wanted to migrate 38,000 lines of code in Cellular Communication Management application from Sybase ASE to Oracle. The Company wanted automated, reliable, and affordable Stored procedure migration solution.

The name of the Communications Management Company has not been revealed on request considering the competitive environment prevailing in that segment.

SwisSQL Solution

SwisSQL automated more than 90% of the database migration, saving cost by 73%. It offered a productive, predictable, and controlled migration environment at an affordable price.

SwisSQL Benefits

- Simple and reliable migration ensuring application and data Integrity
- Cuts cost and time drastically, offering greater than 90% automation
- Move rapidly to deployment.

Manual Migration

Lines of code	38,000
Team size	4
Total Duration	3 months
Person months	12
Cost	\$ 84,000*

* - calculated at \$7k per person per month

Business Challenge

The Communications Management Company, a leader in the design and communication system data warehousing. The company developed a mission critical Java based n-tier application with Sybase ASE to manage cellular communications. The solution was designed to manage all the aspects of cellular communication such as government compliance, financials, lease terms, and rent.

As the customer was consolidating to Oracle 9i, there was an immediate need to migrate their database from Sybase ASE to Oracle 9i. With the application having around 248 Sybase ASE Transact-SQL stored procedures, around 38,000 lines of code were to be migrated from Sybase ASE Transact-SQL to Oracle PL/SQL. The Communications Management Company faced the challenge of migrating all the stored procedures to Oracle and ensuring all stored procedures retained their application logic.

Exploring all the Migration Options

The Communications Management Company planned to explore all migrations options

- Manual Database Migration
- Automated Migration

The Communications Management Company ruled out manual migration in the initial analysis phase, as it was obviously not a feasible solution due the following factors

Increased complexity of migration

Re-writing stored procedures manually is error-prone as it depends solely on the developer's individual logic with a set of related complex and repetitive bugs that increase the complexity for migration.

High Cost and Expenditure

Manual migration required more experts from both Sybase ASE and Oracle domains for accurate conversion. With increased time and migration complexities in manual migration it proportionately increases the cost of migration.

Sybase ASE to Oracle Migration Case Study

SwisSQL Solution

After detailed analysis, the Communications Management Company chose SwisSQL as it emerged to be productive, time-saving, and cost-effective migration solution with highly responsive technical support.

The Communications Management Company used SwisSQL to execute an efficient and controlled database migration project well ahead of schedule due to the following factors:

Simple and productive migration solution

SwisSQL's simple and intuitive solution helped the Communications Management Company all through the complete migration cycle. Starting from fetching objects from a live Sybase ASE database or loading object scripts from local directory, migrating database objects and deploying the converted objects into the Oracle database, SwisSQL was able to handle every step effectively.

SwisSQL automated more than 90% of the migration without any need for manual intervention. With most of the complex migrations automated, it reduced the need for additional expensive database migration experts.

Easy Deployment of the Migrated Objects

With SwisSQL, the migrated objects can be directly compiled in Oracle, this helped the Communications Management company fix most of the runtime issues and helped them reduce the application testing effort while deploying the migrated objects.

Move Rapidly to Deployment

90% automated conversion of the migrated code drastically reduced the deployment effort (that includes compilation, testing, bug fixing and release of the migrated code) by 50%. This helped the Communications Management Company to get into production faster.

The Communications Management Company Time and Cost Savings

Project Details	Manual Migration	SwisSQL Migration	SwisSQL Benefits
Lines of Code	38,000	38,000	-
Team size	4	2	-
Total Duration	3 Months	1.5 Months	-
Person months	12 Months	3 Months	9 Months
Cost	\$ 84,000	\$ 22,400	\$ 61,500

* - Resource cost calculated at \$7K per person per month

Cost Working

SwisSQL Sybase to Oracle Migration Tool - License for 50,000 lines : \$ 1,400

Migration Team Resource Cost : \$ 21,000

Total : \$ 22,400



Sybase ASE to Oracle Migration Case Study

SwisSQL Solution Benefits

SwisSQL helped the Communications Management Company to execute an efficient database migration project saving cost, time and realize market benefits immediately.

- **Complete and Reliable Migration:** SwisSQL offered the Communications Management Company a complete and reliable solution that helped them to migrate and deploy the migrated objects efficiently.
- **Efficient and Cost Effective Solution:** SwisSQL's 90% automated migration environment helped the Communications Management Company save 73 % of possible cost to have spent on manual migration.
- **Time and Cost Savings with SwisSQL:** SwisSQL helped the Communications Management Company save about \$ 61.6 K and also saving 9 person months effort.
- **Responsive Technical Support:** SwisSQL's responsive technical support helped the Communications Management Company in resolving and closing technical issues during migration. Responsive technical support was crucial for the project success. Other market available tools either do not offer technical support or are not responsive enough. Without technical assistance, the migration pace tends to slow down to the levels of manual migration.

About AdventNet

Enabling Management Your Way™

AdventNet provides affordable software for database migration, management and provisioning of complex networks, systems, and IT applications. AdventNet is headquartered in Pleasanton, CA with offices in NJ, NH, India, UK, China and Japan. It has a well-trained partner base around the globe and thousands of customers world-wide. Visit us at www.adventnet.com

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