



Automated and Customizable Database and Application Migration and Modernization

# Ispirer Migration and Modernization Toolkit 2020

## COMPANY OVERVIEW

Since 1999, **Ispirer Systems** specializes in two main fields:



**DATABASE  
MIGRATION**

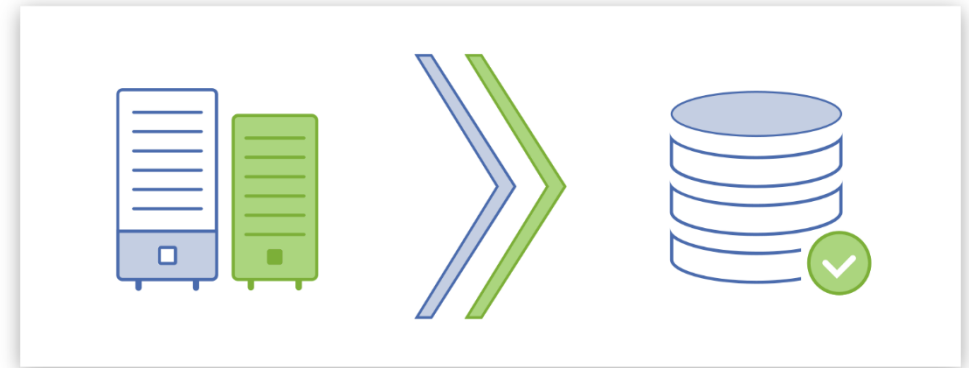


**APPLICATION  
CONVERSION**

We help organizations all over the world to keep up with the best practices of **Software Development** and **Data Storage**.

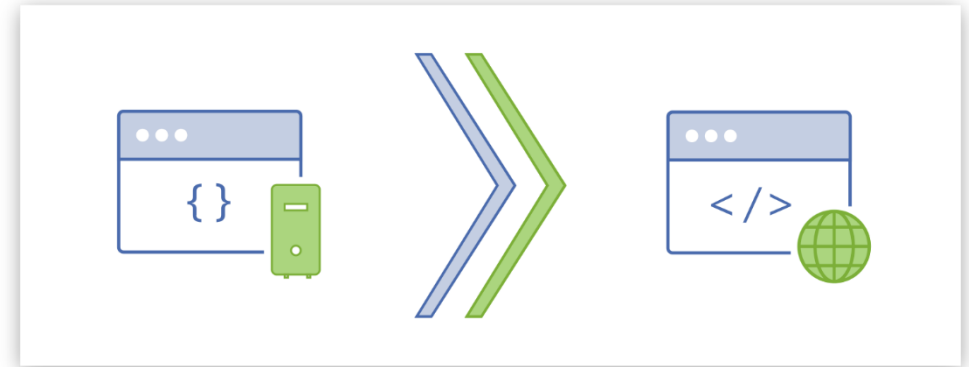
## DATABASE MIGRATION

Ispirer MnMTK provides easy migration of tables, data, views, stored procedures, triggers, functions between all the most popular databases and cloud platforms.



## APPLICATION CONVERSION

Ispirer MnMTK provides easy conversion of your **programming code** from various legacy technologies, such as **Delphi, PowerBuilder, Progress 4GL, Informix 4GL, COBOL** to modern ones.



## ISPIRER MNMTK STRUCTURE

**Ispirer Migration and Modernization Toolkit** provides automated database and application migration on basis of the following **tools**:



SQLWays Wizard



nGLFly Wizard



Migration Studio

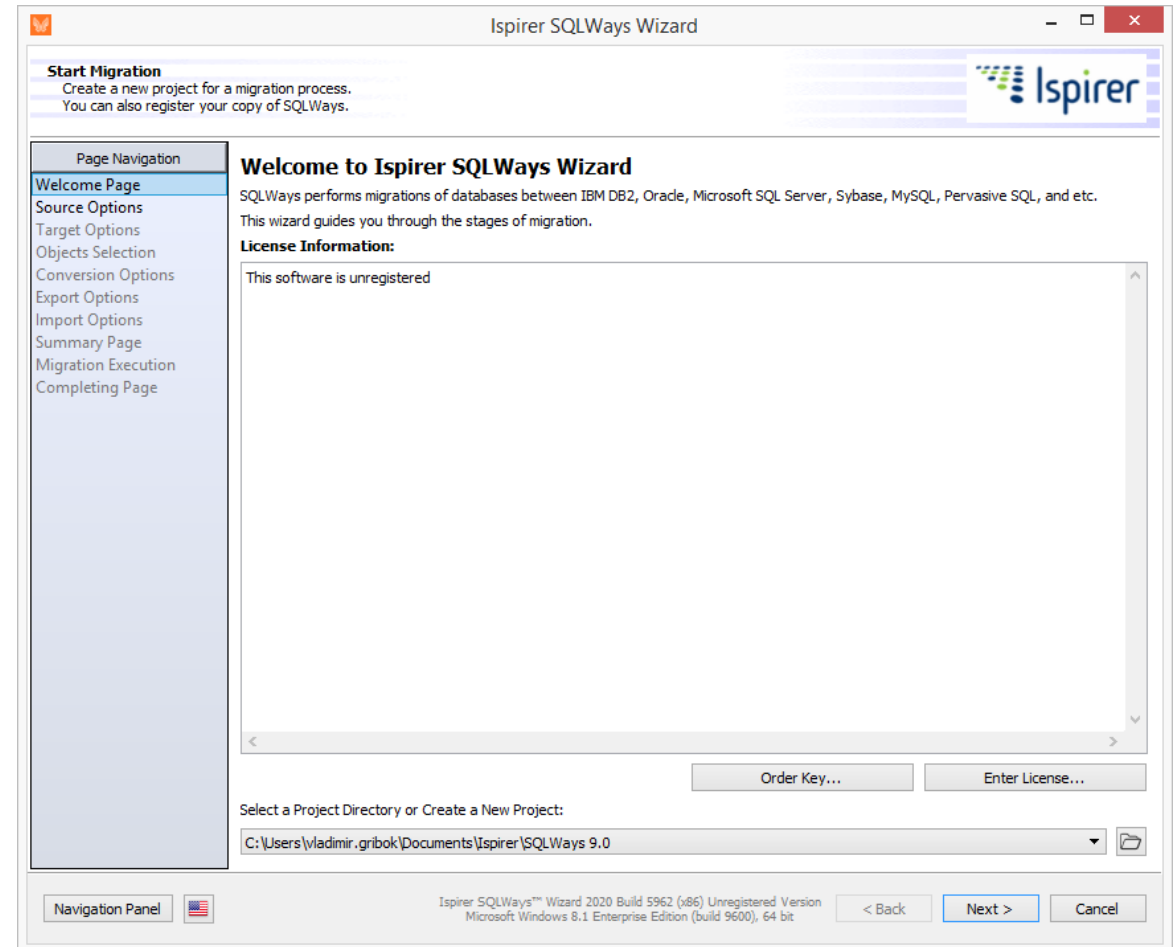


Command Line Mode



## Ispirer SQLWays Wizard

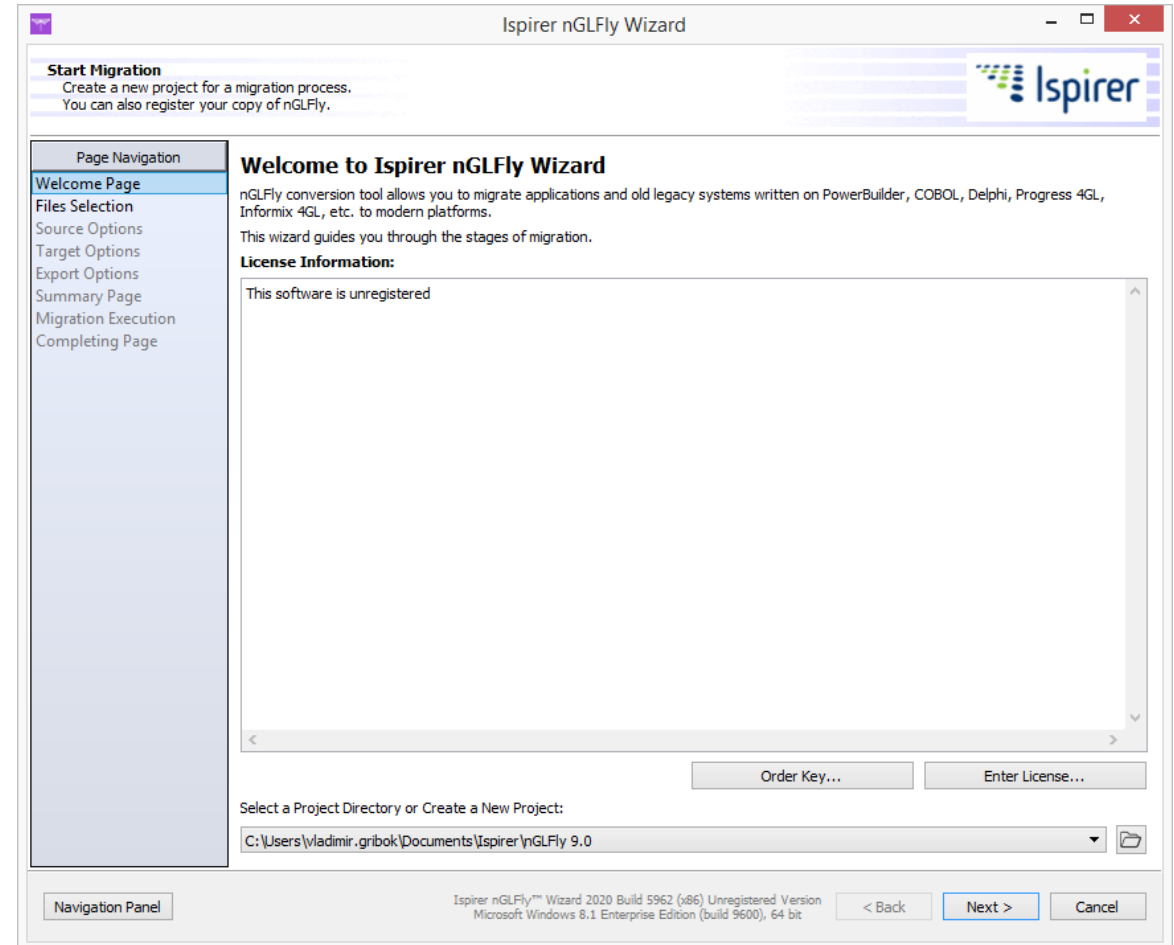
GUI tool designed to simplify the tuning of **database migration** process.





## Ispirer nGLFly Wizard

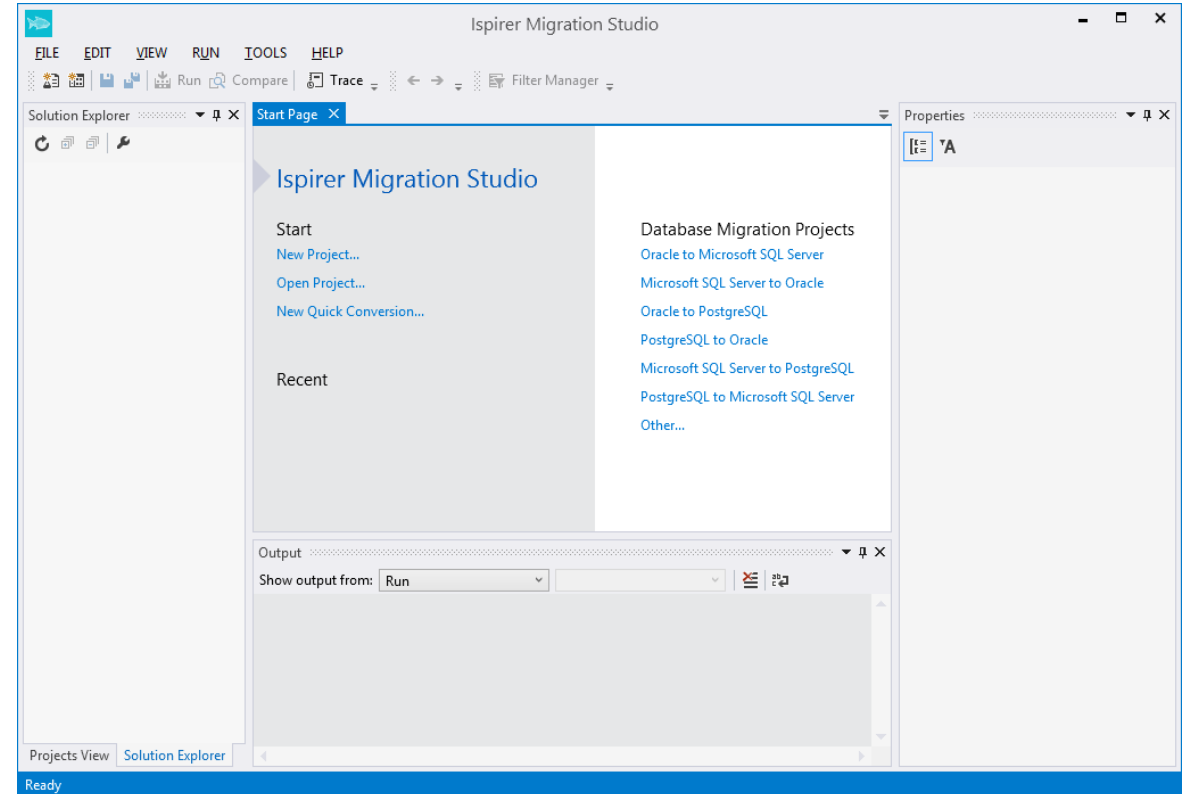
GUI tool designed to simplify the tuning of **application conversion** process.





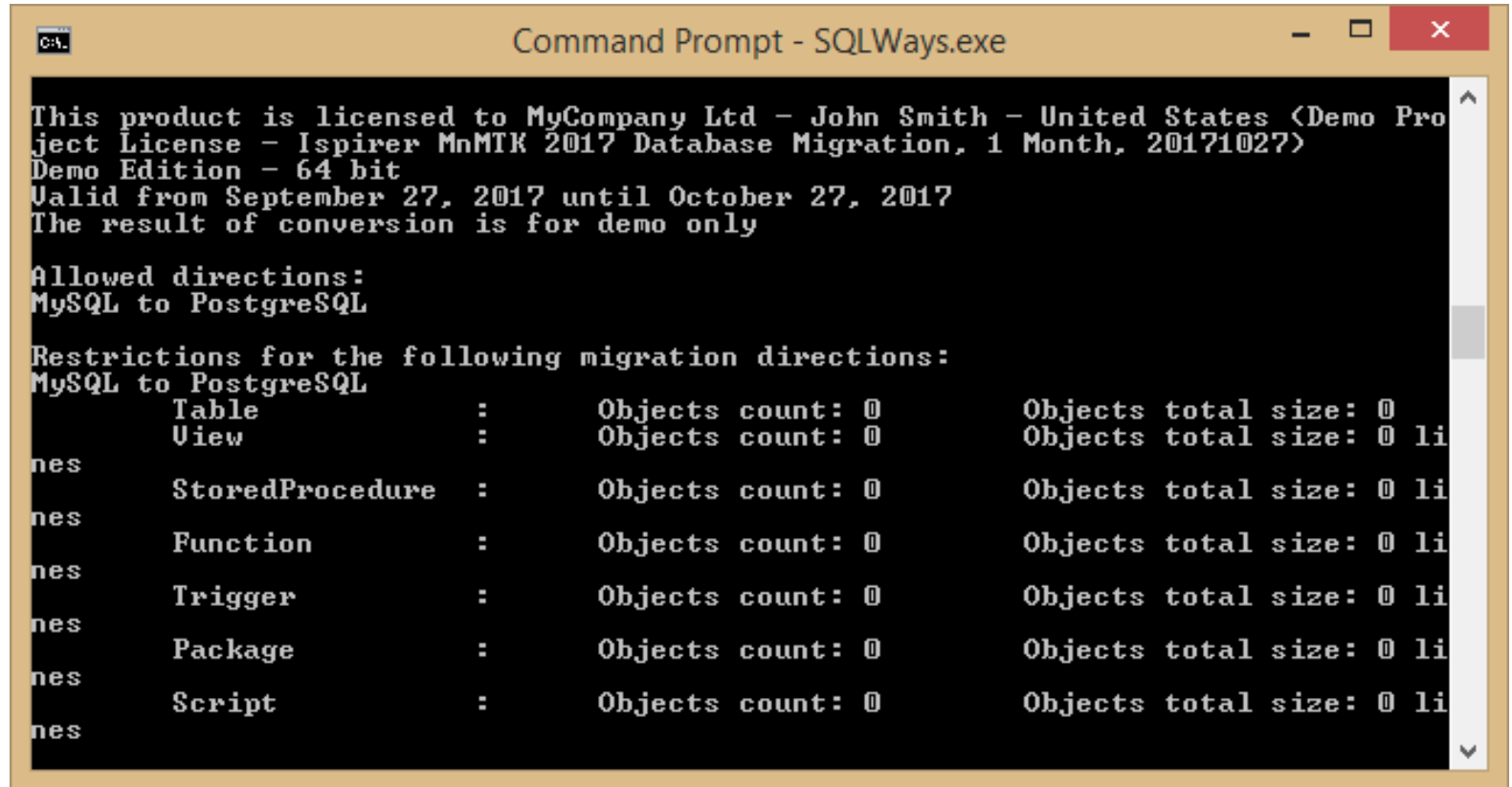
## Ispirer Migration Studio

Ispirer Studio integrates work for both **database** and **application migration**.





Ispirer MnMTK  
allows to perform all  
migration tasks in a  
**command line mode**  
**or in a shell script.**



```
Command Prompt - SQLWays.exe

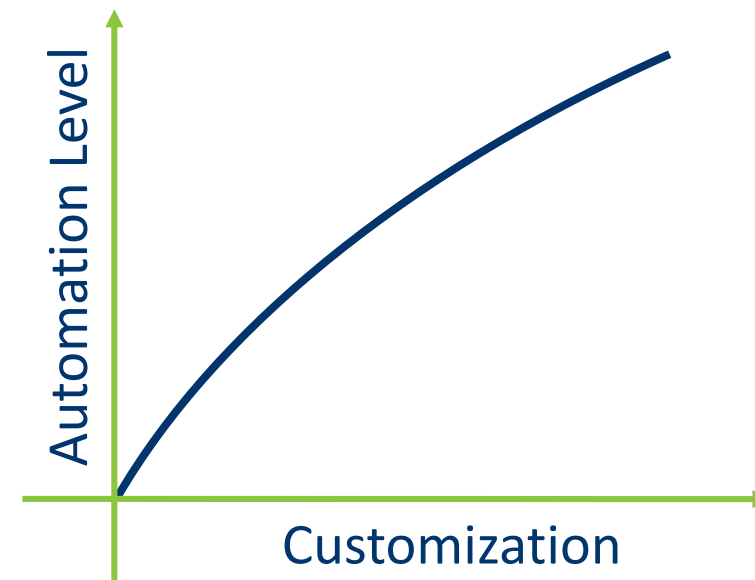
This product is licensed to MyCompany Ltd - John Smith - United States (Demo Pro
ject License - Ispirer MnMTK 2017 Database Migration, 1 Month, 20171027)
Demo Edition - 64 bit
Valid from September 27, 2017 until October 27, 2017
The result of conversion is for demo only

Allowed directions:
MySQL to PostgreSQL

Restrictions for the following migration directions:
MySQL to PostgreSQL
Table           : Objects count: 0      Objects total size: 0
View            : Objects count: 0      Objects total size: 0 li
nes
StoredProcedure : Objects count: 0      Objects total size: 0 li
nes
Function        : Objects count: 0      Objects total size: 0 li
nes
Trigger         : Objects count: 0      Objects total size: 0 li
nes
Package         : Objects count: 0      Objects total size: 0 li
nes
Script          : Objects count: 0      Objects total size: 0 li
nes
```

## ISPIRER MNMTK CUSTOMIZATION

Each project has its own specifics. It may seem impossible to bring migration automation to a high level. With Ispirer it will be a smooth transition. The main advantage of Ispirer MnMTK is the personalization for each customer's migration project. We will add all conversion rules to achieve **up to 100%** automated migration from source to **target database** through Customization.



## ISPIRER MNMTK KEY FEATURES



### **Database Schema Migration**

Converts tables, indexes, NULL, default values, primary and foreign keys, unique and check constraints, identity columns, synonyms, comments and others.



### **Data Migration**

Supports all data types including large objects (LOB) and uses high performance tools for data transfer.



### **Server-Side Business Logic Migration**

Converts stored procedures, functions, packages, triggers and views with database connection or without it (SQL scripts conversion).



## Embedded SQL Conversion

Migrates SQL statements written inline with a program source code.



## Database API Conversion

Supports conversions between ODBC, Oracle OCI, Oracle Pro\*C, Sybase CT/LIB and other interfaces.



## Application Conversion

Converts applications between various platforms and programming languages.

## ISPIRER MNMTK CONVERSION FEATURES

### Migration with Database Connection

- ▶ Works with the source database using an ODBC connection
- ▶ Saves conversion results to files
- ▶ Imports results using the native utilities of the target database

### Conversion of Files with Code

Converts files that contain:

- ▶ SQL scripts,
- ▶ program code,
- ▶ user interface.

Supports working with project files in both source and target technologies.

## ISPIRER MIGRATION TOOLKIT ADVANTAGES



**Faster and more efficient** migration process due to flexibility and power.



**Easily extended** by adding **new conversion rules** into the tool according to customer specific requirements within **2-3 business days. Up to 100% automation!**



**Project-based licensing:** prices depend on the project scope and duration.

## ISPIRER EXPERIENCE

For **20 years** we have been developing our own software product Ispirer MnMTK, formerly known as SQLWays, that helps companies migrate from legacy to the latest technologies.



We have worked on migration projects with over **1,000 customers**, including companies from **Fortune 500** and **Global 2000**.



About **50,000,000 lines of hand-written code** were automatically converted with the help of the Ispirer Systems software.



Our customers from various industries such as **energy, information technology, banking, insurance, medicine** etc. were highly satisfied with our services and toolkit.

## ISPIRER CUSTOMERS

**NTT DATA**  
Global IT Innovator

**EPICOR**

**splice**  
MACHINE

**ciber**<sup>®</sup>





**Thank You!**  
**Q&As**

[www.ispirer.com](http://www.ispirer.com)

