How **Direction Software LLP** designed a Migration (Bulk Upload Utility) – A Desktop Application

DIRECTION
Software LLP

The Client

The International Air Transport Association (IATA) was created over 70 years ago by a group of airline companies as a global trade organization for the air transport industry. With operations spread across 53 countries, IATA, today represents about 260 airlines from around the world which account for 83% of the scheduled air traffic. With a core vision to represent, lead and serve the airline industry, IATA continuously strives to simplify processes, enhance passenger convenience, reduce costs and augment efficiency.

Summary

- It enables data upload from different .asc / .txt file formats
- It provides validation reports as well as import log to IATA
- Application is used at – Albania, Korea, Croatia, UAE, Hungary, Chile, Macedonia, Bosnia-Herzegovina

Challenges

- File formats are with different formats- .asc /.txt
- Unified process across globe
- Huge data to be upload
- Validation to be done for each record with proper codes

Solution

- Windows application using .Net framework 3.5 and Oracle
- Oracle SQL Loader utility for fast data upload
- CTL file created for each file category
- Parameterised stored procedures for all file categories
- For new file category - user need to add a CTL file, Row in Config file and query part in stored procedure. Not coding required

Technologies / Tools

Technologies and Tools used
- UI - Dot.Net Winforms (3.5) With C#
- **.Net framework** - responsible for making windows forms application
- **ADO.Net** - Database operation library
- **Oracle 11g** - Procedures / Functions coded for Various Functionalities
- **SQL Loader** - Oracle SQL Loader utility for fast data upload

About DIRECTION

As a software service firm that specializes in the development and implementation high end software development services and internet strategies, Direction Software LLP brings significant expertise on a wide range of frameworks.

The team at Direction Software LLP is consistently updating themselves with the latest open source and enterprise frameworks with an aim to provide clients with nothing but the best solutions for their current and future needs.