

# zTPF/ALCS Management Services

20% Cost Savings with  
Domain-Focused zTPF/ALCS Expertise



# Management of Mainframe Systems with the Largest Pool of zTPF/ALCS Experts

zTransaction Processing Facility (zTPF) is an integral component in commerce for aTravel and Hospitality industry, handling trillions of transactions and large numbers of concurrent users with very fast response time across geographically dispersed networks. Given the fast-evolving nature of the market and dynamic demands of connected customers, Travel companies require zTPF/ALCS systems to perform at their optimum and advanced levels.

With strong technical and functional expertise, IGT is a leading Travel TPF/zTPF/ALCS services provider offering consulting, application development, PSS migration, zTPF migration, maintenance and support, TPF interfacing/web services, cloud-based service virtualisation, functional QA services among others. IGT manages, modernizes, migrates and supports core travel systems based on zTPF/ALCS technologies like Assembler (BAL), SPM's, TPF-C, TPF-C++, SabreTalk, TPFDF, ALCS, REXX, JCL, MVS and zTPF.



## Languages

TPF/zTPF/ALCS, TPFC/TPFC++, BAL, COBOL, JCL, REXX, DAC, Sabre Talk, SPMs, SOA, XML, WSDL, XSLTs, DFDL, MONGODB



## Database

TPFDF, DB2, Couchbase, HDFS, Flat Files, Tapes, T2SE



## Tools

VM, TPF Tool Kit, HP ALM, JIRA, RTF, Message Simulators, XML, GUIs, zTPFGI, SOAPUI, IBM Greenhat, ReadyAPI, Endeavour

# Service Excellence With TPF Accelerators

It has become imperative to customize the mainframe applications to support and adapt to the dynamic changing needs of the businesses.

IGT TPF Center of Excellence (CoE) understands the varied zTPF/ALCS requirements and has accordingly developed a host of tools and accelerators to create robust, secure and future-ready zTPF/ALCS environment. IGT's application development and maintenance accelerators, and frameworks offer faster delivery-to-market, reduced costs, faster turnaround and improved quality assurance.

## Old Code Remover

Automation of the process of removal of existing commented code

## Functional Impact Matrix

Framework for functional impact assessment and scope analysis for regression testing of the TPF system

### DEVELOPMENT



## Code Spy

Code pre-screening tool to eliminate basic errors & ensure TPF standard guidelines

## Entry Repository

Quick reference mechanism to access association between functional entry and code module

## Loadset Tester

Tool to manage program loadset contention issues while working on projects involving large number of programs

## TPF Coding Checklist

Elaborate & effective code checklist ensuring improvement of code without wasting development time

## Baseless

Allows assembly programs to exceed the threshold of 4K size

## Automated Testing

Consistent and repeatable interface of TPF commands for consistent and wide-ranging test coverage

## Code Coverage Tool

Extensive coverage analysis on applications executed

### MAINTENANCE



## Dump Data Extractor

Automation and analysis of the dump report and matching the levels with corresponding DSECT area

## EDIFACT Parser

Automation of hexadecimal data to structured data conversion following EDIFACT syntax rules

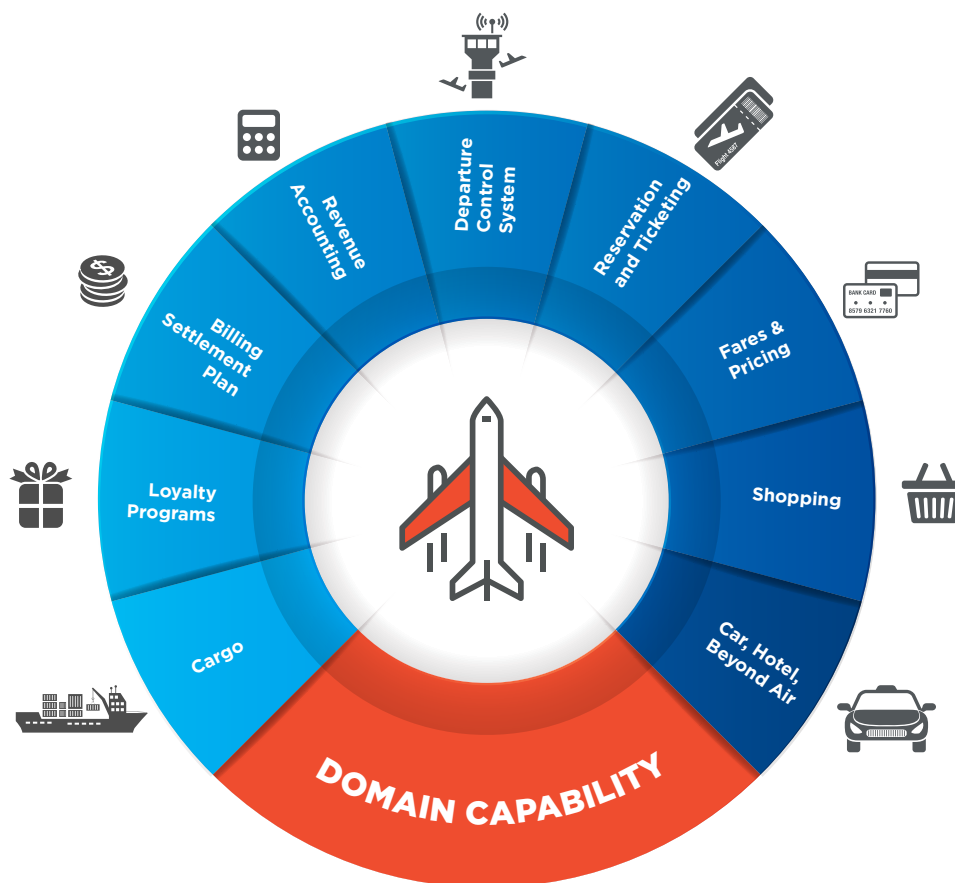
## Mini Specs and DFDs

Pre-defined template specification and detailed data flow diagrams

# Travel Domain Focused TPF Expertise

With 100% focus on the Travel industry, IGT experts have comprehensive experience in managing large and complex zTPF/ALCS applications for leading airlines and large GDSs. IGT has been providing TPF/zTPF services to more than 10 airlines, 5 GDSs and many other hotel and rail companies for more than a decade.

An extensive experience of travel domain servicing has helped IGT create industry's first "zTPF Cross-Functional Impact Matrix" which has enabled quick identification of dependency of each program on multiple functions and reduced issue resolution time. IGT's team of experts has over 4,500 person years of experience in zTPF/ALCS services, a proven approach to handle large scale zTPF migrations, pre-built test case repositories and customized accelerators to deliver service excellence and improved TCO for its clients.



## Differentiators

**200+**

Travel TPF/zTPF experts

**4,500+**

person years of  
experience in TPF/zTPF  
service delivery

**96,000+**

TPF/zTPF test case  
scenarios

**70,000+**

programs successfully  
migrated from TPF to  
zTPF

# Demonstrated Capability

- 99.9% successful migration and modernization of legacy systems involving more than 70,000 programs for a travel technology company
- Developed and implemented PSS system for a large North American airline and its hosted carriers
- 35% quicker time to market for applications by using cloud-based service virtualization for one of the largest hotel groups
- 20% cost savings in application development by implementing key design principles for the US based hotel group
- Successful integration of 3 very large hotel chains using latest technology stack with TPF – web services, C++ and virtualization
- Accelerated ADM/ASM using multiple tools and frameworks developed in-house
- Successfully trained and deployed more than 600 TPF/zTPF resources over client and internal project teams
- Extensive experience and expertise of working with 15 travel customers in TPF, zTPF, and ALCS



## Why IGT?

- IGT Solutions is a leading IT, BPM and Digital solutions and services provider committed to deliver innovation and business excellence across the entire spectrum of Travel, Transportation and Hospitality domain.
- Managing highly differentiated customer experience for leading 70+ travel brands.
- Over 20 years of travel domain-led solution development experience, enabling end-to-end solution delivery.
- IGT employs more than 11,000 travel professionals in 5 continent, has 15 state-of-the-art delivery centers, and worldwide operational presence.



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