



## Introduction

Implementation of online tax e-filing system and online tax payment for SIGTAS customers and integrated it with SIGTAS database.

### Clients are

- Inland Revenue Department, Government of St Kitts & Nevis, West Indies
- Inland Revenue Department, Government of Belize, West Indies

## Background

Inland Revenue Department is the government agency of St. Kitts and Nevis that administers the tax laws in the federation of St. Kitts and Nevis. The agency employs the SIGTAS application, an Oracle based software package for their daily operations of registering tax payers, assessment and collection of taxes. The SIGTAS was implemented at St Kitts in 1999 and in Nevis little later in 2000. Initially SIGTAS was built on Oracle Forms 6i and Reports 6i and Database was Oracle9i.

# Stakeholders

- St Kitts IRD and Nevis IRD Department, VAT Department, Tax Reform Unit, Ministry of Finance, St Kitts & Nevis.
- Government of Turks & Caicos IRD

## Challenge of Department

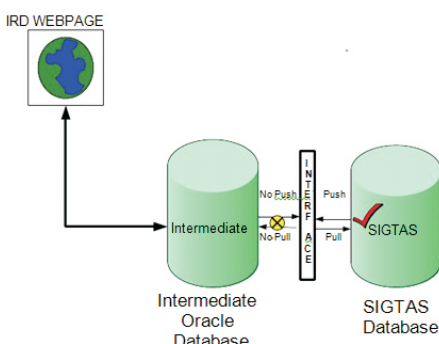
The Client is using SIGTAS system for managing taxes and revenue. Currently, taxpayers have to physical visit to IRD offices to getting register in SIGTAS, taxes filing and doing its payment. While this was great from a security perspective, from a tax administration perspective of making the tax compliance process simpler this process is burdensome and IRD has to innovate.

- Undue Time and energy spent on going to IRD office, every month, in person.
- Manual filling of the return forms always leave a window for human errors.
- No option to correct any mistakes while filing the form.
- Tax Payer has to maintain past records of filed Returns in papers

## Technology Used

- OS- Window Server 2008 R2 64 bit enterprise edition
- Microsoft .NET framework
- C#, VB, java script programming language
- Microsoft sqlserver 2008 express
- IIS 7.0
- URL Rewrite module
- Oracle Forms 11g and Reports 11g
- Oracle fusion middleware 11g
- Weblogic server 64 bit

## Proposed System Architecture



# Solutions of Underline Challenges

## IRD website:

- Developed IRD website for customers
- All latest news and tax filing procedures

## Online Registration

- Taxpayer can complete their registration information on-line
- Customer can also apply for a web account for using e-services. this information is submitted electronically to IRD.

## E-Filing and e-Payment

- Taxpayer login into the online system with his/her credentials. Login and subsequent pages are protected by SSL session.
- Provide account summary screen and previous e-filing history page to an authorized taxpayer.
- Integration of Payment gateway to online payment of taxes.
- All the displayed information –even to tax payers, is over a HTTPS link making the system very secure.

## How it helps Clients?

- Everything happens online over a secure and safe network.
- Complete-comfort-solution for your tax payers and officers.
- Tax payers can anytime check the status of the e-file online.
- Streamlines the complete process of filing tax return and prevents possibilities of any manual errors.
- See all your tax accounts and their details online – in one glance.
- Easily integrated with your current SIGTAS system.

## Rollout Challenges & Complexities

### Data Security

- Provide Tax Payer signup form to login into the online system with his/her credentials. Login and subsequent pages are protected by SSL session
- Intermediate database created for web users this database can not directly communicate with SIGTAS database.
- Only SIGTAS can either pull and push data into an intermediate database

### Website content management system

- To make IRD website Dynamic in nature
- Stored information and web pages are dynamic and easier to maintain

### Real-time synchronization of data between web and SIGTAS

- E-filing application submitted at online platform have real-time visibility at SIGTAS side. Also, the customer can track their e-filing status anytime.
- E-Payment made online can be seen in sigtas side
- Web user can check his/her account balance and its breakdown online.

# Achievements & Benefits

- A convenient and secure automated system for the complete tax filing.
- Beneficial for Every one: our process automates everything right from filing the online return by tax payer till completion of the assessment by IRD officer.
- E-file is faster, safer, and more convenient than paper filing and we provide you this entire package.
- IRD website to stay updated about latest news and information base.
- Online registration facility to get registered in SIGTAS and get web account without physically available at IRD office
- Online filing option, so that you don't have to wait in long queues. And facility to file your taxes even in off business hours.
- 24x7 online payment option
- Screen to display account summary online.
- Intimation mail and status check on e-filing application progress.

## Implementation & Major Work Involved

- Implement IRD website which has e-services link in it.
- Give online registration facility to customers
- Provide Tax Payer signup form to login into the online system with his/her credentials. Login and subsequent pages are protected by SSL session.
- Provide account summary screen and previous e-filing history page to an authorized taxpayer.
- Intermediate database to keep the e-filing record and these records do not directly affect actual SIGTAS database.
- After successful submission of data via web, Taxpayer gets an e-file number for future reference.
- Provide e-Payment option to pay online 24\*7.

## Managed Services

**Lelogix is also providing following services to client:**

- Server Setup & maintenance
- Oracle Stream Support
- Oracle DB Support
- Weblogic Support
- Fusion Middleware Support
- Application Support
- Networking Infrastructure
- Computer Network Services
- Remote access & VPN Solution
- Backups & Disaster Recovery



## Why Lelogix ?

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Provides End to End Solution  
Experienced Resources  
Production Support & Enhancements  
Help you to get Software Licenses  
Help you to get Hardware  
One shop for all your worries

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