DTS xChange Product Overview

www.pragmaticworks.com

Migrate DTS to SSIS Automatically

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DTS xChange Streamlines Your DTS Conversions in SSIS
SQL Server Integration Services (SSIS) brings power and performance to SQL Server 2005 well beyond the capabilities of DTS. To streamline these conversions during your upgrade, DTS xChange by Pragmatic Works Software offers a fast and easy way to manage higher quality DTS to SSIS conversions... http://www.microsoft.com/sql/solutions/upgrade/DTSxChange.mspx

--Tom Casey, General Manager, Microsoft SQL Server Business Intelligence, Microsoft Corporation
Why Convert to SSIS?

- 64bit support
- Parallel in-memory multi buffer architecture helps to load data several times faster than DTS
- Data Flow Debugging support
- Reusable Connection Architecture
- Logging, Configuration, CheckPoint etc.
- Source Safe Integration because everything is XML
- New Script Task with IntelliSense, Debugging, Break Point and .net framework support
- Many other new Tasks (e.g. For Each Loop, XML Task, FileSystem Task etc.) that replace need for Scripting

Less Maintenance... Faster Development... Faster Performance
DTS vs SSIS Speed Test

- On 32 bit dual core machine
- Pulling 1 million rows out and writing to SQL table with no transformation
- Adding transformation would add more SSIS advantage
- On Average 65% faster performance compared to DTS

<table>
<thead>
<tr>
<th></th>
<th>DTS</th>
<th>SSIS SQL Server Destination</th>
<th>SSIS OLE DB Destination</th>
</tr>
</thead>
<tbody>
<tr>
<td>Average Runtime (seconds)</td>
<td>33.2 s</td>
<td>11.3 s</td>
<td>12.3 s</td>
</tr>
</tbody>
</table>
Profile Packages

DTS xChange Package Profile Report (Summary Version)

Summary

<table>
<thead>
<tr>
<th></th>
<th>Manual Conversion</th>
<th>DTS xChange Conversion</th>
<th>Difference</th>
</tr>
</thead>
<tbody>
<tr>
<td>Total Packages</td>
<td>14</td>
<td>14</td>
<td>N/A</td>
</tr>
<tr>
<td>Total estimated main hours required for conversion</td>
<td>89.98</td>
<td>17.64</td>
<td>72.34 hrs</td>
</tr>
</tbody>
</table>

Time/Cost saving compared to manual approach: 79.7%

DTS xChange Task Conversion Matrix

<table>
<thead>
<tr>
<th></th>
<th>Fully Converted Tasks</th>
<th>Partially Converted Tasks</th>
<th>Not Converted Tasks</th>
</tr>
</thead>
<tbody>
<tr>
<td>Total : 57 Task(s)</td>
<td>45 Task(s)</td>
<td>11 Task(s)</td>
<td>1 Task(s)</td>
</tr>
<tr>
<td></td>
<td>78.9 %</td>
<td>19.3 %</td>
<td>1.8 %</td>
</tr>
</tbody>
</table>

Find Time/Cost Saving

Find Success Rate
Convert Packages

- Convert with Best Practices
- Add New SSIS Features
- Get Full Validation Report
Monitor Packages

**Monitor Packages**

- **Error/Warning Trend**
- **Runtime Trend**
- **Extract/Load Trend**
Feature Highlights

**Profile**
- Find how many DTS packages you have and how Complex they are and calculate estimated time to convert DTS packages.
- Find real usage of your DTS packages (Note: Only if they are scheduled through SQL Agent Job)
- Search for packages with specific task type (e.g. Return all packages with ActiveX task)

**Convert**
- Migrate DTS Packages from SQL 2000 to SQL 2005/2008 with minimum efforts.
- Add more value to converted package by applying best practices during migration e.g.
  - Standardize Naming Convention of Connections
  - Remove duplicate connections
  - Generate reusable connection architecture by creating XML Config files
  - Apply auditing framework to monitor errors/warnings and performance of package
- Add CheckPoint, Transaction or Logging to converted packages
- Convert UDL Connection, Dynamic Properties Task and Complex Datapump
- Add NULL handling and Data Conversion automatically if required
- Secure Packages by applying proper Protection level
- Validate packages after conversion for any possible error/warning and suggest changes if required

**Monitor**
- Auditing framework added automatically to monitor your package activity
- Several reports are provided to monitor Error/Warnings, Record Count and Performance of packages and tasks inside package
We migrate all DTS tasks to SSIS

ActiveX migrates to SSIS but you would not want to keep it there and it may not run

Need for ActiveX Script Task has been replaced with built-in, easy to maintain SSIS tasks
- File System Object = File System Task
- Mail objects = Send Mail Task (now has SMTP)
- ADO objects = Execute SQL Task
Alternatives

- Converting a package from scratch
  - Based on client feedback, this can run $600-$900 per package minimum (4-6 hrs * $150)
- Using the existing wizard as a baseline
  - Based on feedback, this is about 20-30% successful with conversions. Does not handle common enterprise tasks (Dynamic Properties Task).
  - Client does not get the benefit of SSIS framework (logging, checkpoints, etc).
Does not add new SSIS features (e.g. Config, CheckPoint, Logging etc.) to converted package

Does not apply SSIS best practices (e.g. Naming, Deployment, Auditing etc.)

Does not handle NULLs properly

Does not handle ODBC properly

Does not handle flat file connection properly in many cases

Does not convert UDL connection

Does not handle Dynamic Properties Task

Does not convert complex DataPump to DataFlow

Does not Apply Auditing to Converted Packages

Does not give warnings/errors about possible conversion problems.

Note: For full list of feature comparison (25 Pages) please visit the following URL

http://dtsxchange.com/DTSxChange-vs-MSWizard.asp
Migration Process

**Profile**
- **Tool: DTS xChange Profiler**
  - Discover DTS packages, Analyze complexity, build project plan.

**Convert**
- **Tool: DTS xChange**
  - Convert packages easily and apply Best Practices.

**Manage**
- **Tool: SSIS xPress**

**SSIS Training**
- **4-Days Training**
  - Course outline is available upon request

All of the above are delivered with every purchase of DTS xChange
Migration Process

Profile

- **Tool: DTS xChange Profiler**
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Convert

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Monitor

- **Tool: SSIS Report Viewer**
Demo

- Run through profiler
- Run through package converter
- Show end solution and SSIS Auditing Framework and Monitoring Solution

For Questions Email:
- info@pragmaticworks.com
Manage SSIS with xPress

- Get Notified On Failure
- Email Notification
- Audit SSIS Packages
- Single Click Deploy w/ Dependency
- Visual Studio Integration
- Monitor SSIS Packages
- Text Message (Phone) Notification

Frequently Asked Questions

Executive Summary

Package Execution Summary

- Start Time: 11/04/2010 10:14:00 PM
- End Time: 11/04/2010 10:14:00 PM
- Run Time: 4.8 sec
- Total Errors: 4
- Total Warnings: 1
- Execution Account: admin@domain.com
- Machine Name: W2M1170

ERRORS

- An OLE DB provider cannot be opened because it is not registered.
- An OLE DB provider cannot be opened because it is not registered.

Report

- There were errors encountered during the execution of the package.
- The package was completed with errors.