DTS xChange Product Overview

www.pragmaticworks.com

Migrate DTS to SSIS Automatically

Microsoft

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

Pragmatic Works

DTS xChange

BIxPress

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

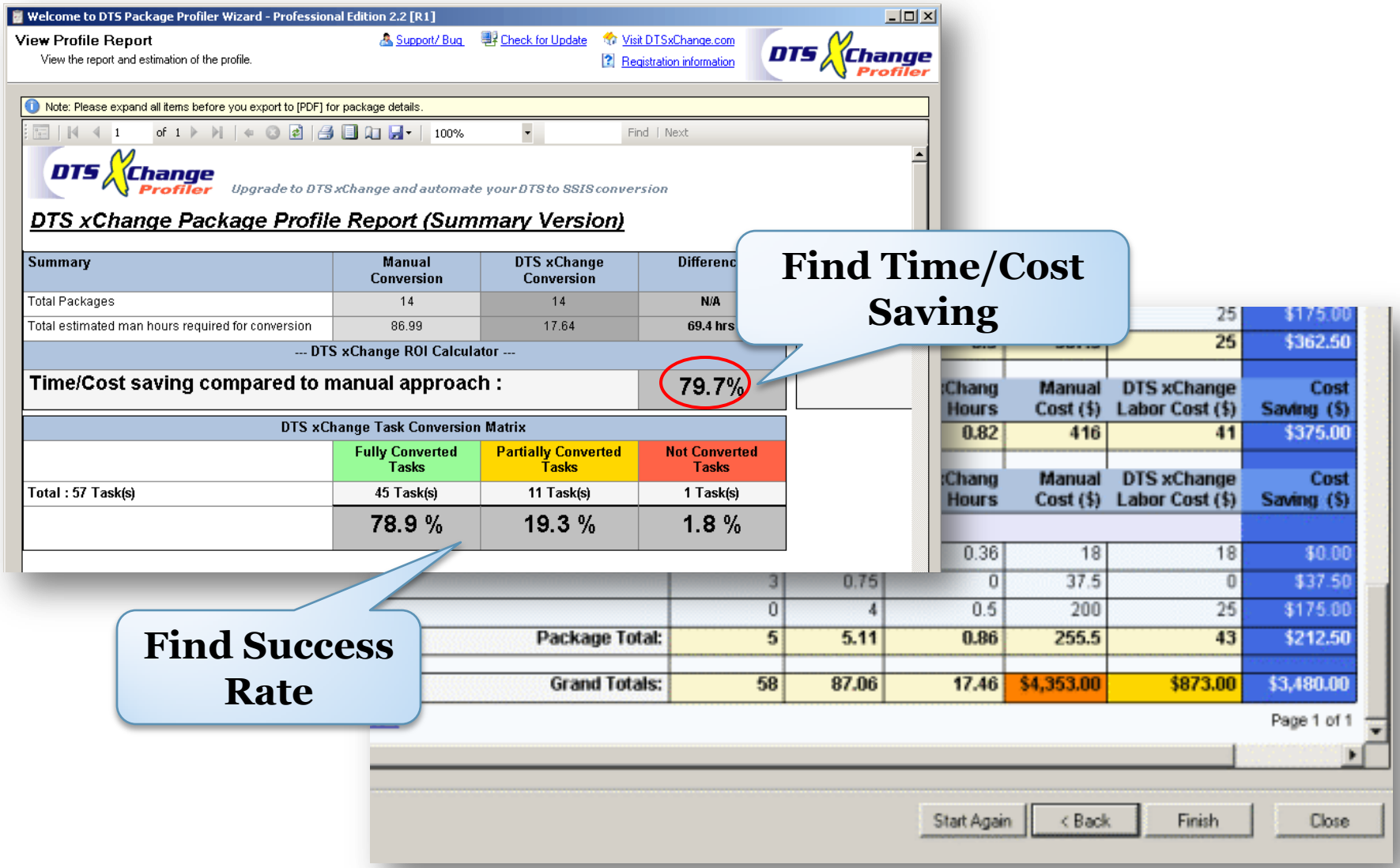
Less Maintenance... Faster Development... Faster Performance

DTS vs SSIS Speed Test

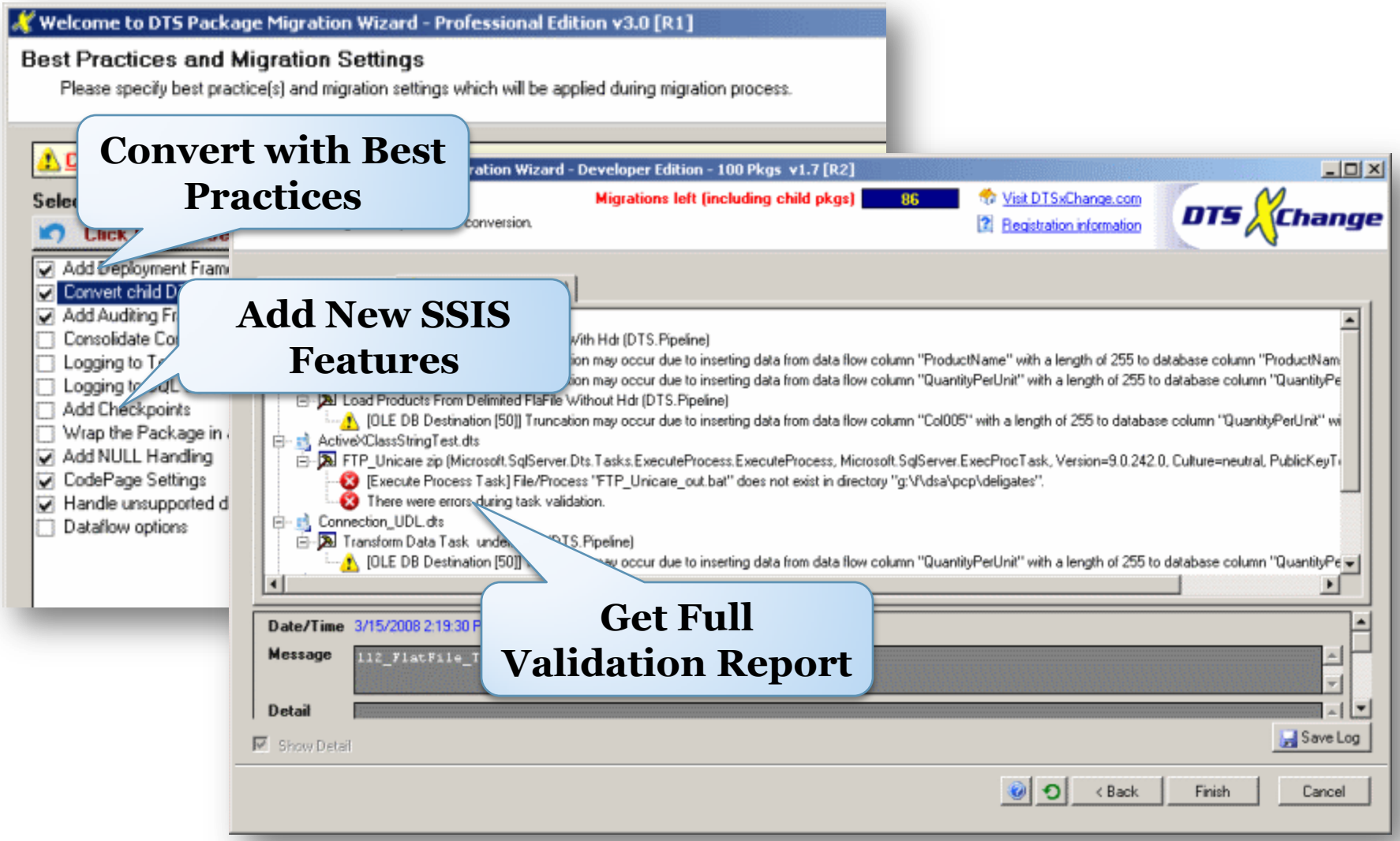
- On 32 bit dual core machine
- Pulling 1 million rows out and writing to SQL table with no transformation
- Adding transformation would add more SSIS advantage
- On Average 65% faster performance compared to DTS

	DTS	SSIS SQL Server Destination	SSIS OLE DB Destination
Average Runtime (seconds)	33.2 s	11.3 s	12.3 s

Profile Packages



Convert Packages



Monitor Packages

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

ActiveX Script Support

- 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 a 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).

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MS DTS Migration Wizard

- 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

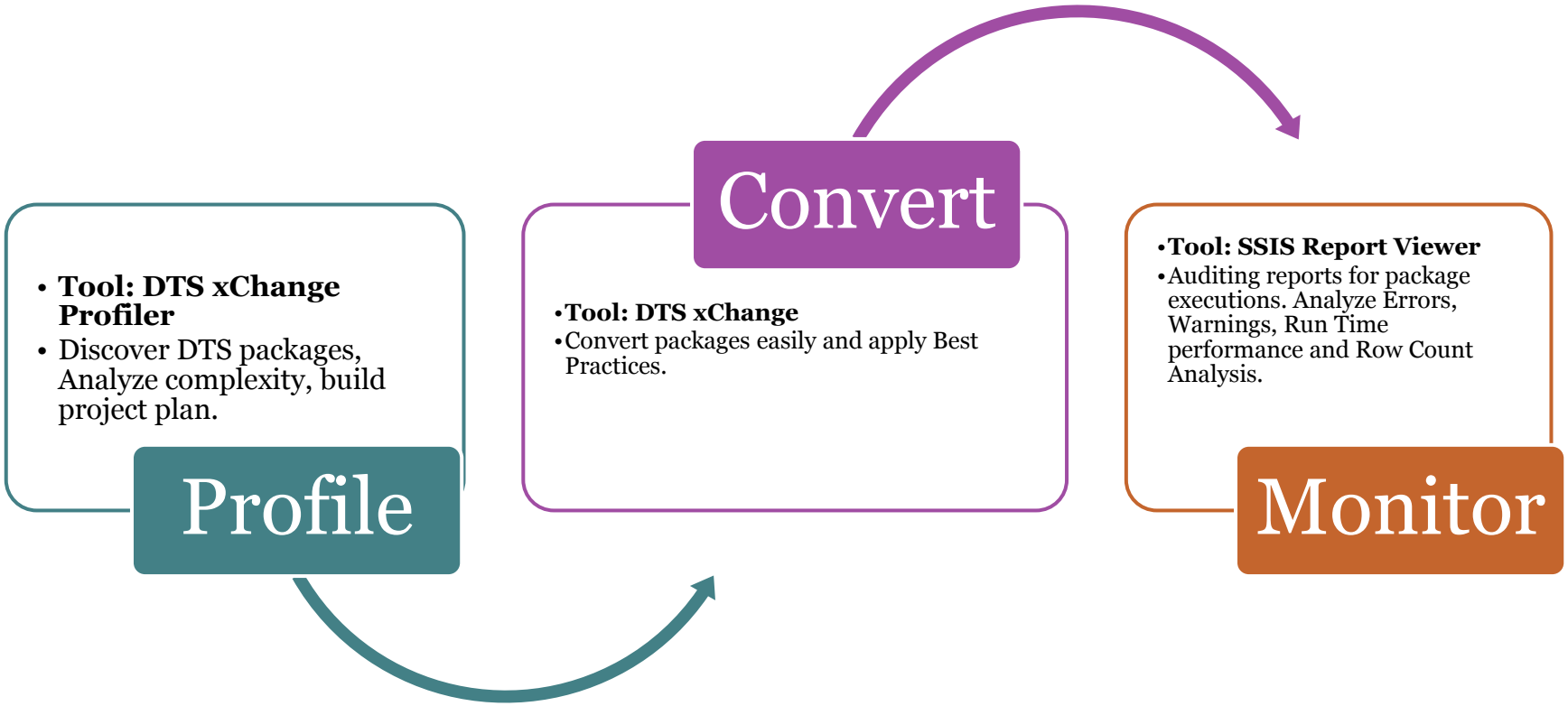
- **Tool: SSIS xPress**
- Auditing reports for package executions. Analyze Errors, Warnings, Run Time performance and Row Count Analysis.

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



Demo

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

For Questions Email :

- **info@pragmaticworks.com**

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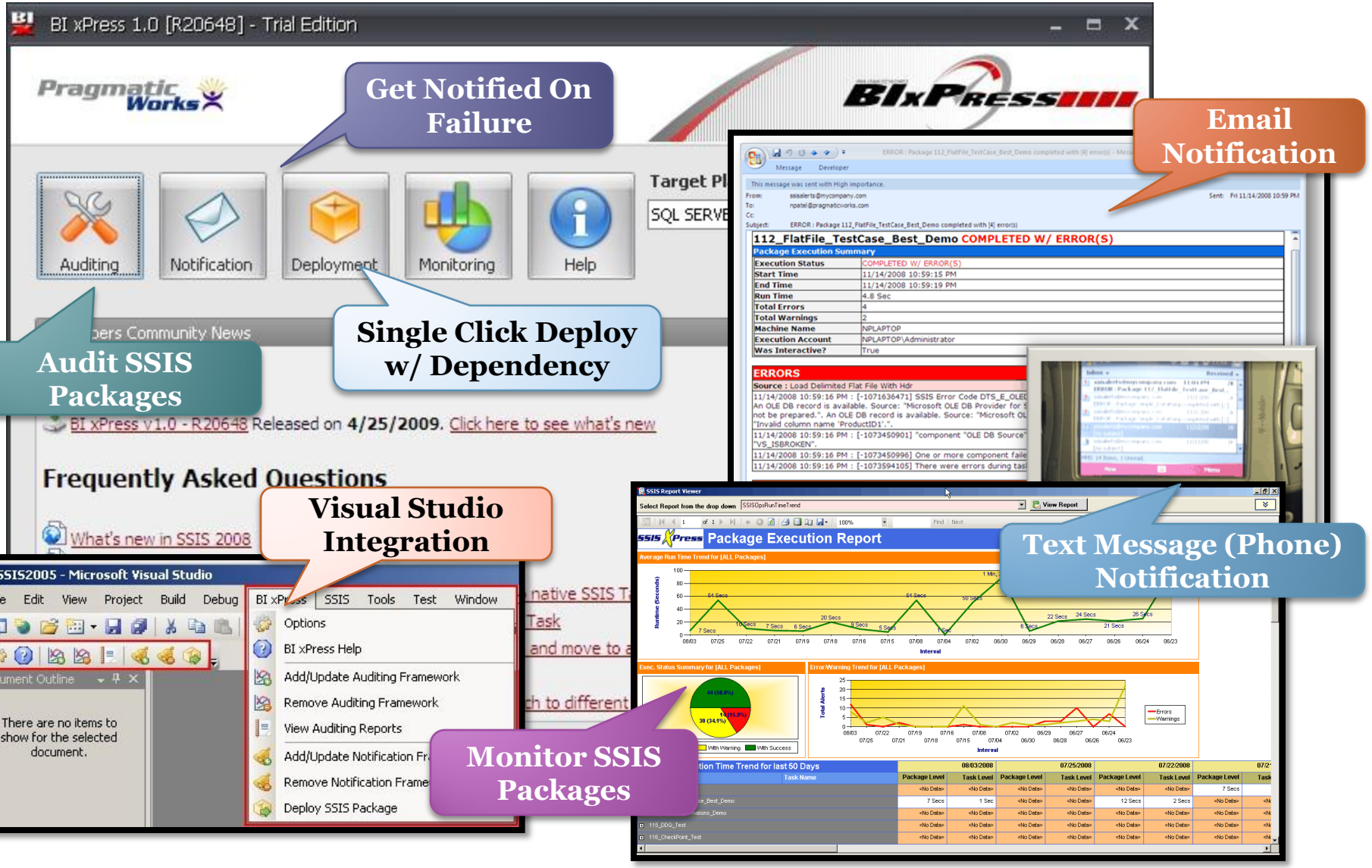
Manage SSIS with xPress