

SAS Data Integration / SAS  
Management Console / Platform LSF  
**“The Complete Package”**

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# The Real World

- 100's of SAS programs that need to be run monitored or scheduled

or

- A need for an ETL tool that doesn't require significant programming knowledge
- A robust tool to manage, organize and develop your data
- Minimize the manual running of programs
- Monitoring program execution
- Take advantage of Parallel processing

# Objectives

- What is SAS/DI, SMC and Platform LSF?
- The Demo will show how all three modules are used together
- Demonstrate ways of migrating existing code
- Building Flows / Setting Dependencies
- Scheduling
- Monitoring
  - Traffic Lighting / Program Control / Logs

# SAS DI (Data Integration)

- User Interface
- ETL Tool
- Incorporate existing code
- Organize code and processes
- Alternative to coding
- Metadata (bottle necks, data mappings and transformations)

# SMC (SAS Management Console)

- Server Manger
  - Batch Servers, Logs, Spawners
- Schedule Manager
  - Build flows, set dependencies, link to LSF
- User Manager
- Metadata Manager
- Much More

# Platform / LSF

- Scheduling (LSF is built into SMC)
- Process Flow Manager
  - Monitoring
    - Traffic lighting, Program Failure, Run-Time Statistics
  - Schedule
- Flow and Program Control
  - Running / Re-running / Holding / Killing
- Logs (date stamped and named)

# Demo

- Manufacturing
- Four Data Sources (flat files)
  - Order
  - Parts
  - Master Sheet (Build Sheet)
  - Test Details (Results)
- Transformations
- Reporting

# Summary

- SAS / DI
  - Managing SAS programs
  - Complete SAS Desktop
  - Using more functionality of SAS/DI
  - Minimize coding / More Metadata
  - Future DI releases will convert SAS code into DI objects
- SAS Management Console
  - Dependencies and Scheduling
  - LSF
- Process Flow Manager
  - Simple and Powerful

# Thank You

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