STORED PROCESSES

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SAS STORED PROCESSES | AGENDA
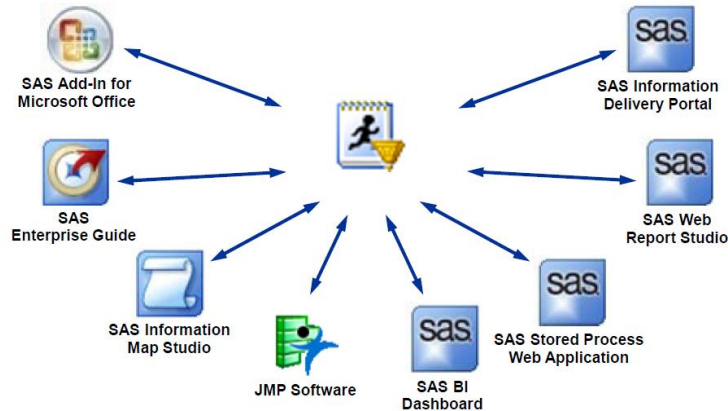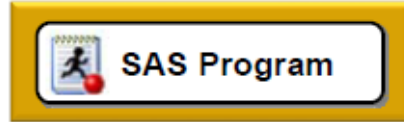
- What are SAS Stored Processes

- What are the advantages of using Stored Procs?

- Demonstration
  - How to Create in SAS Enterprise Guide
  - How to Utilize in Excel (SAS Add-in for MS Office)

- A SAS Stored Process:
  - Is a SAS program that is hosted on a server and described by metadata
  - Can be executed by many SAS Applications

Stored processes can be invoked from many of the SAS platform applications.

SAS Add-In for Microsoft Office

SAS Information Delivery Portal

SAS Enterprise Guide

SAS Web Report Studio

SAS Information Map Studio

JMP Software

SAS BI Dashboard

SAS Stored Process Web Application

CONCEPTS & TERMINOLOGY

SAS Program

One programmer or group is responsible for developing, testing, and executing the program.

The programmer or group also manages the distribution of the results.

SAS Stored Process

One programmer or group is responsible for developing and testing the stored process.

Business users can view the results of the stored process on their own using different types of SAS applications.

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- A SAS Stored Process:
  - Can be used by many users with different skill sets
  - Allows for Self-Service Reporting
  - Frees the analyst to do analysis (not reporting)
  - Can be invoked from multiple applications
  - Can be parameter driven
  - Always current
  - Enforced by metadata security

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STORED PROCESSES AND ENTERPRISE GUIDE

When using SAS Enterprise Guide, you can create the stored process program and register the associated stored process metadata.

Create the stored process program + **Register the stored process metadata.** = **A stored process can be invoked from various applications.**

Using SAS Enterprise Guide, you create a project that performs both these actions.

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SAS STORED PROCESSES

KEY INFORMATION FOR METADATA CREATION

Whether you create a stored process from a single task or all of the tasks in a process flow, the Create New Stored Process Wizard guides you through the process.

This wizard has seven steps as outlined below:

1. name and description
2. SAS code, code options, or both
3. execution options — Application server & source code repository
4. library references (librefs) — Libnames assigned or not
5. prompts
6. data sources and targets — Filerefs if required
7. summary

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DOCUMENTATION

SAS PROGRAMMERS GUIDE TO STORED PROCESSES (SAS GLOBAL FORUM PAPER)
- HTTPS://SUPPORT.SAS.COM/RESOURCES/PAPERS/PROCEEDINGS11/050-2011.PDF

SAS SUPPORT DOCUMENTATION – STORED PROCS IN SAS 9.4
- HTTP://SUPPORT.SAS.COM/DOCUMENTATION/CDL/EN/STPUG/67499/HTML/DEFAULT/VIEWER.HTM#STPUGWHATSNEW94.HTM