

Creating and Deployment of SAS Stored Process for Microsoft Office applications using Enterprise Guide

What is a Stored Process ?

A stored process is a SAS program that is stored centrally on a server. A client application can execute the program, supply input parameters, and can then receive and process the results.

http://support.sas.com/rnd/itech/doc9/dev_guide/stprocess/index.html

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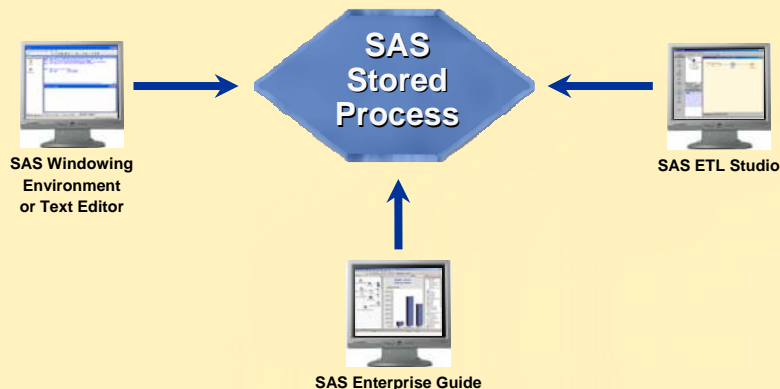
Why using Stored Processes ?

- SAS Stored Processes will accept user input parameter values so that the code is not static and can be easily run with different parameter values.
- SAS Stored Process code is not embedded into client applications. SAS Stored Process programs can be invoked from multiple clients, such as Web browsers and desktop applications.
- Every client application that invokes a stored process always gets the latest version available.
- Stored process programs also ensure security and application integrity because the code is contained on a server and can be centrally maintained and managed from the server.

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Where Creating Stored Processes ?

Stored processes can be created using several SAS®9 Intelligence Applications. Stored processes have a .sas file extension. The .sas file must reside in a directory that is registered with the server that executes the stored process.

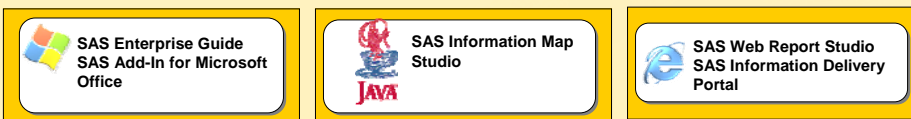


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Where Executing Stored Processes ?

Stored processes can be **executed** or **invoked** from several of the SAS®9 Intelligence Applications:

- SAS Enterprise Guide
- **SAS BI Server**
 - SAS Add-In for Microsoft Office
 - SAS Information Map Studio
 - SAS Web Report Studio
- SAS Information Delivery Portal



Minimum requirements: Base SAS & Integration Technologies
(also needs Web App Server for Web Deployment)

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About SAS Enterprise Guide

The “Swiss Army Knife” of SAS

- Harnesses many of the traditional strengths of SAS in a friendly yet powerful interface

Target audiences

- Statisticians
- SAS Programmers
- Business Analysts
- Report Developers

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Creating a Stored Process with SAS Enterprise Guide and use it with the SAS Add-In for Microsoft Office

This demonstration illustrates :

- creating stored process with parameters with SAS Enterprise Guide 3
- executing this stored process with the SAS Add-In for Microsoft Office.

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The screenshot displays the SAS Management Console interface. The main window is titled "SAS Management Console - BIArchitecture". On the left, a tree view shows the "Foundation" repository with various management tools. The "Stored Process Manager" is expanded, showing a list of stored processes. The "Sales Invoices - select product Properties" process is selected. A dialog box titled "Sales Invoices - select product Properties" is open, showing the "Parameters" tab. The "Parameter Groups" section contains a tree view with "Parameters" and "Products". The "Parameters" group is expanded, showing a list of parameters: "Month", "Check for Month Only, Otherwise all months will be searched", "Year(s)", "Sort By", "Check Box to Exclude Academic or Partner Sales.", and "Products". The "Products" group is expanded, showing a list of products: "Products to Select". The dialog box has "Add...", "Add Group...", "Modify...", and "Delete" buttons on the right, and "OK", "Cancel", and "Help" buttons at the bottom.

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New Features in EG 4.1 for Stored Processes (Shipping in April 2006)

Enhanced Stored Process Authoring

- From a flow rather than just from a task or a code node
- Extend concept of parameterized queries to parameterized projects
- Easily rerun an entire project with different variables assigned to roles (rerun analysis flow with net sales vs. gross sales)
- Stored Process Mover - easily move a stored process from one SAS Metadata Server to another one

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Summary

Stored Processes allow you to encapsulate complex logic or legacy SAS programs, provide user selectable parameters, and allow users to self-serve their reporting and analysis needs, freeing you from requests for building ad-hoc reports.

- One of the most powerful parts of the SAS 9 architecture
- Especially for power users – such as yourselves
- All the power & flexibility of SAS programming, in a easily deployed package.
- Can be consumed by anyone, from several clients – Web, Microsoft etc,
- Can be integrated into new SAS tools such as Web Report Studio, Portal etc.

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