

TWO GUYS ON ENTERPRISE GUIDE

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GOALS

- Show off some of our favourite features, tips, tricks
- Get you thinking about how you can leverage EG in your own work

PROGRAMMER PRODUCTIVITY

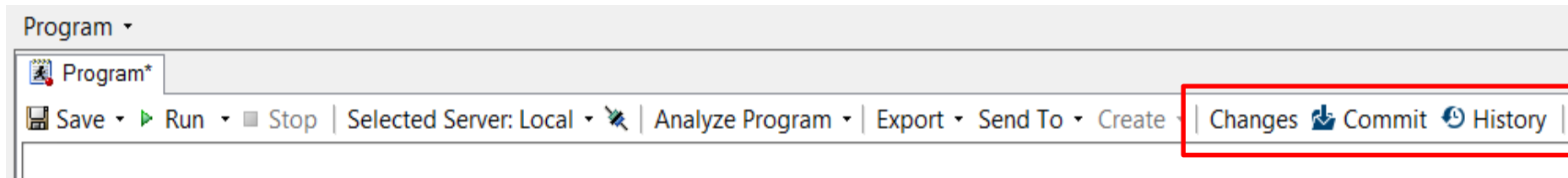


NEW TOYS! ENTERPRISE GUIDE 7.1

- Program History
- Summary View of the Project Log
- Smart Highlighting in the Program Editor
- SAS Macro Variable Viewer
- SAS System Options Viewer
- Custom Code Feature (integrated in the task code preview)
- Expanding Macros in Code Analyzer

PROGRAM HISTORY

- Finally.... Source/version control is built in to Enterprise Guide!
- Allows programmers to manage changes to SAS programs in a more structured way



SMART HIGHLIGHTING IN THE PROGRAM EDITOR

- Allows you to locate every instance of a given word
- Extremely helpful especially when finding/following multiple references

SUMMARY VIEW OF THE PROJECT LOG

- ‘Log Summary’ view was added in EG 6.1
- Now, the entire project log can be viewed in this fashion

SAS MACRO VARIABLE VIEWER

- A nod to Chris Hemedinger on this one – began life as a custom task he wrote
- Allows you to view the current values of any – or all – of the macros variables defined in a session
- Also provides a macro expression ‘quick view’ – immediately evaluates macro functions and resolves macro variables - like `%sysfunc(upcase(&_clientapp))`

SAS SYSTEM OPTIONS VIEWER

- Does what it says – let's you view the current SAS system options for your server
- Not a replacement for 'proc options'... but a convenient alternative

INTEGRATING CUSTOM CODE

- EG allows you to add custom code within task generated code
- Now, custom code may be entered directly into the Code Preview for Task window
- More intuitive/user-friendly
- Uses the Program Editor features (syntax colouring, suggestion, autocompletion, etc.)

```
Code Preview for Task
 Show custom code insertion points Clear All

/* Start of custom user code (BeforeProcMeans) */
options
/* End of custom user code (BeforeProcMeans) */

PROC MEANS DATA=
  ANIMATE=
  ANIMATION=
  ANIMATEDURATION=
  ANIMLOOP=
  ANIMOVERLAY
  APPEND=
  APPLETLOC=
  ARMAGENT=
  ...
  MAX
  N
  ...
/* Start of custom user code (InProcMeans) */
<insert custom code here>
/* End of custom user code (InProcMeans) */
```

EXPANDING MACROS IN CODE ANALYZER

- The Analyze Program allows you to create a Process Flow out of existing SAS code – a useful way to visualize the component parts of a program
- Starting in 7.1 you can expand macro functions

SUMMARY

- Some fun new functionality that improves efficiency and productivity
- Enterprise Guide continues to grow and evolve... thanks to user feedback!

REFERENCES

- Smith, Casey, 2015. 'Find What You Are Looking For and More in SAS Enterprise Guide' *Proceedings of the SASS Global 2015 Conference*, Cary, NC: SAS Institute Inc.
https://sasglobalforum.activeevents.com/2015/connect/sessionDetail.wv?SESSION_ID=1924

THANK YOU

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