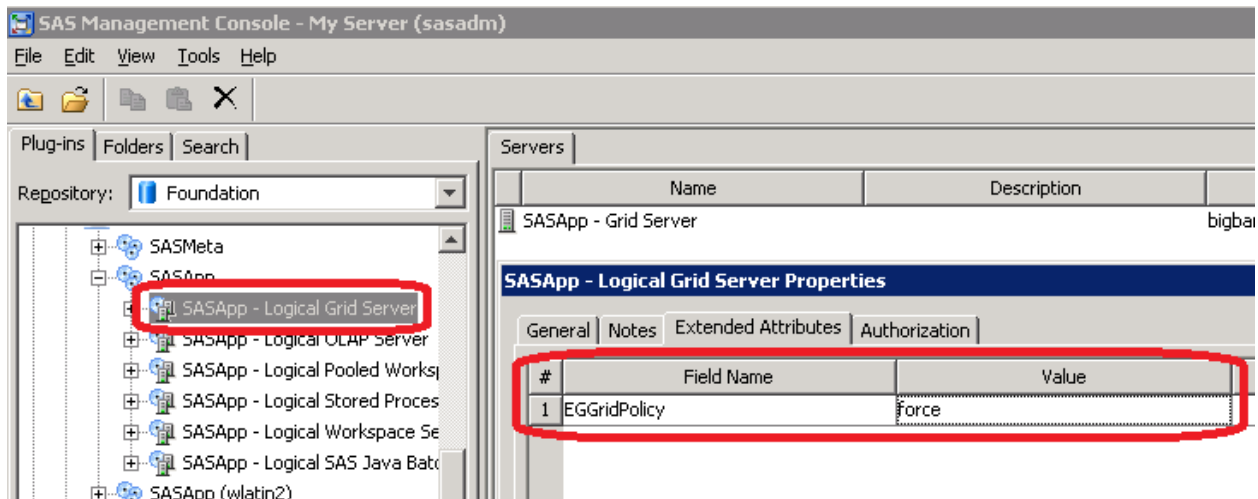


# SAS Enterprise Guide 5.1 and SAS Add-In for Microsoft Office 5.1 Grid Integration

Prior to EG 5.1 and AMO 5.1, the grid wrapper script was used to enable connection to the grid. With EG 5.1 and AMO 5.1 the grid wrapper script is no longer needed and connecting to the grid can be controlled either by an administrator through metadata, or by an end user. However, if the administrator forces the grid to be used, it takes priority over the end user setting. This enhancement eliminates the need for configuration on each client machine.

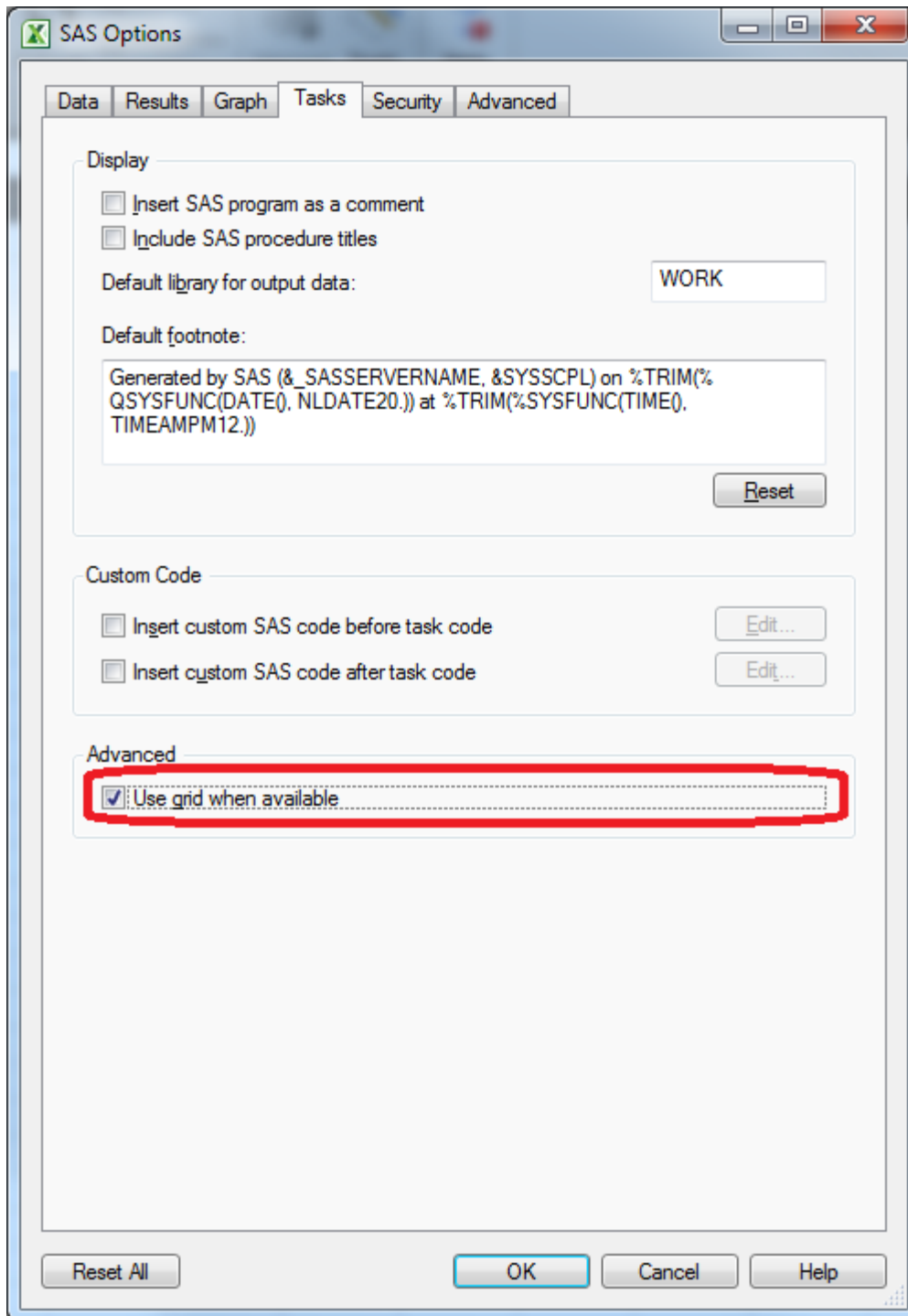
## Controlling grid usage with metadata

The administrator can force grid usage for EG and AMO individually through metadata. This is accomplished by adding either an “EGGridPolicy” or “AMOGriPolicy” extended attribute on the logical grid server with a value of “force”.



## Controlling grid usage in AMO

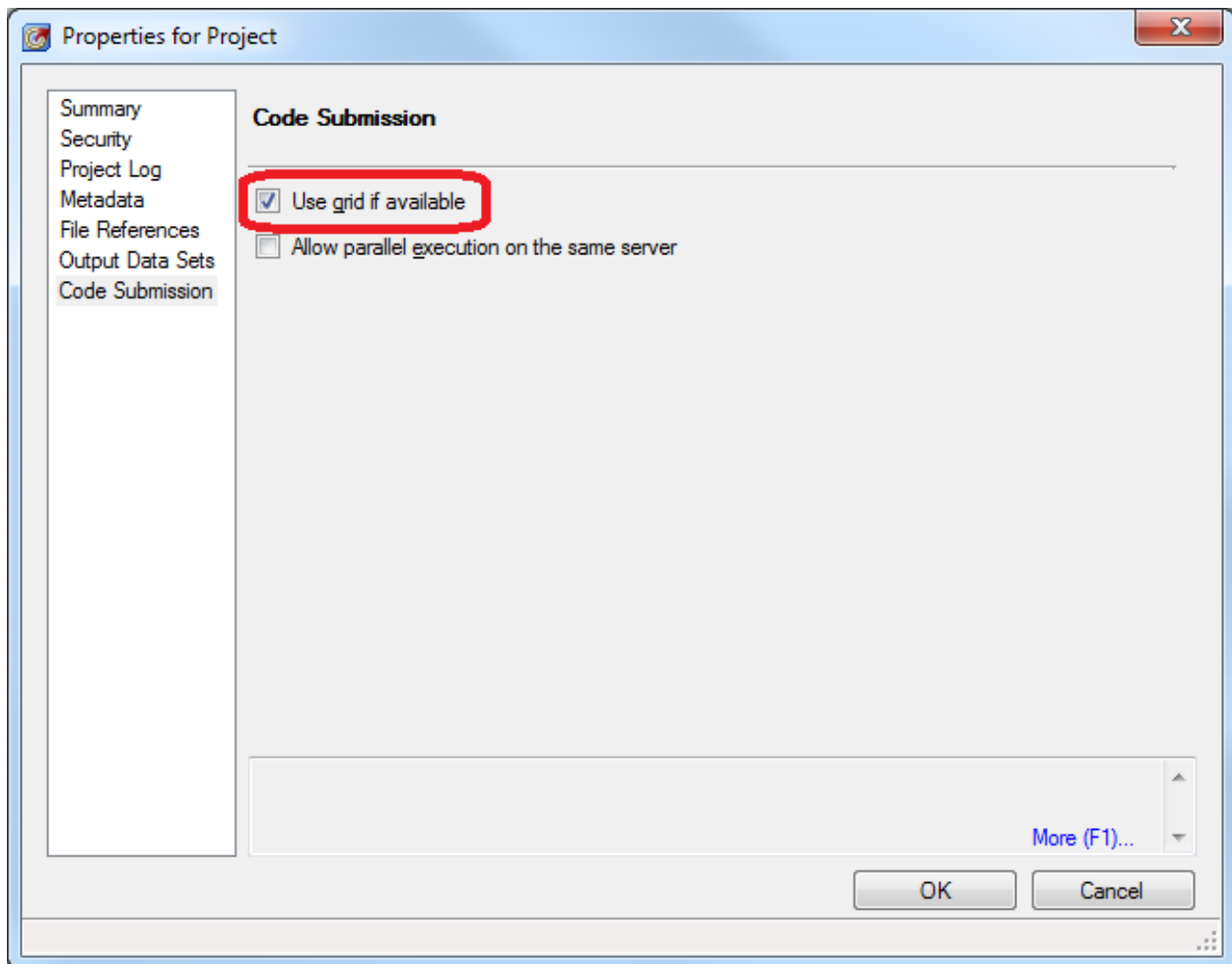
If the grid is not already turned on through metadata, it can also be enabled through tools->options. Both the metadata setting as well as the tools->options setting will cause AMO to use the grid.



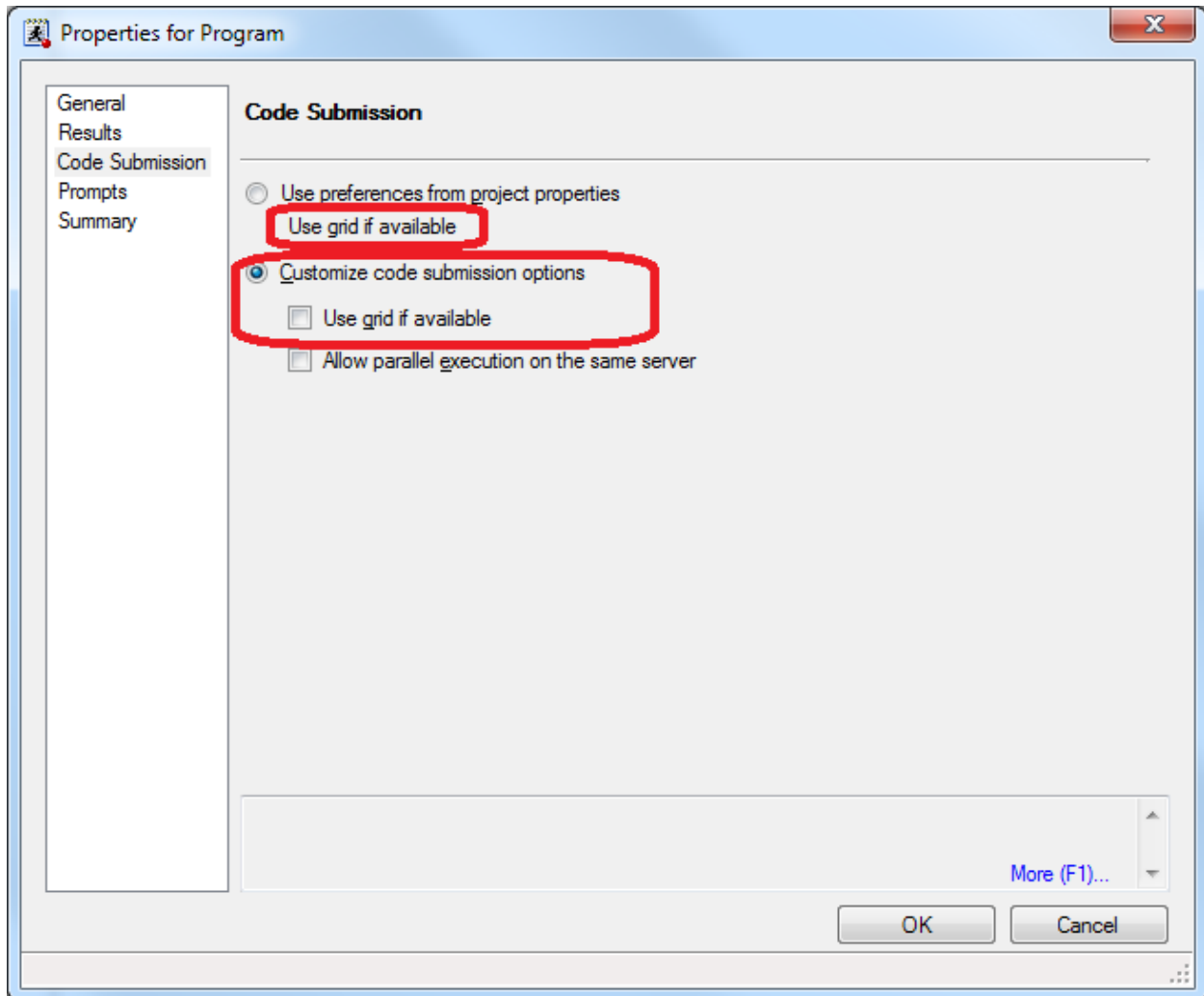
## Controlling grid usage in EG

If the grid is not already turned on in metadata, it can be controlled at a project level, or at an individual task level.

To enable the grid at a project level, select File->Project Properties->Code Submission, and check “Use grid if available”.

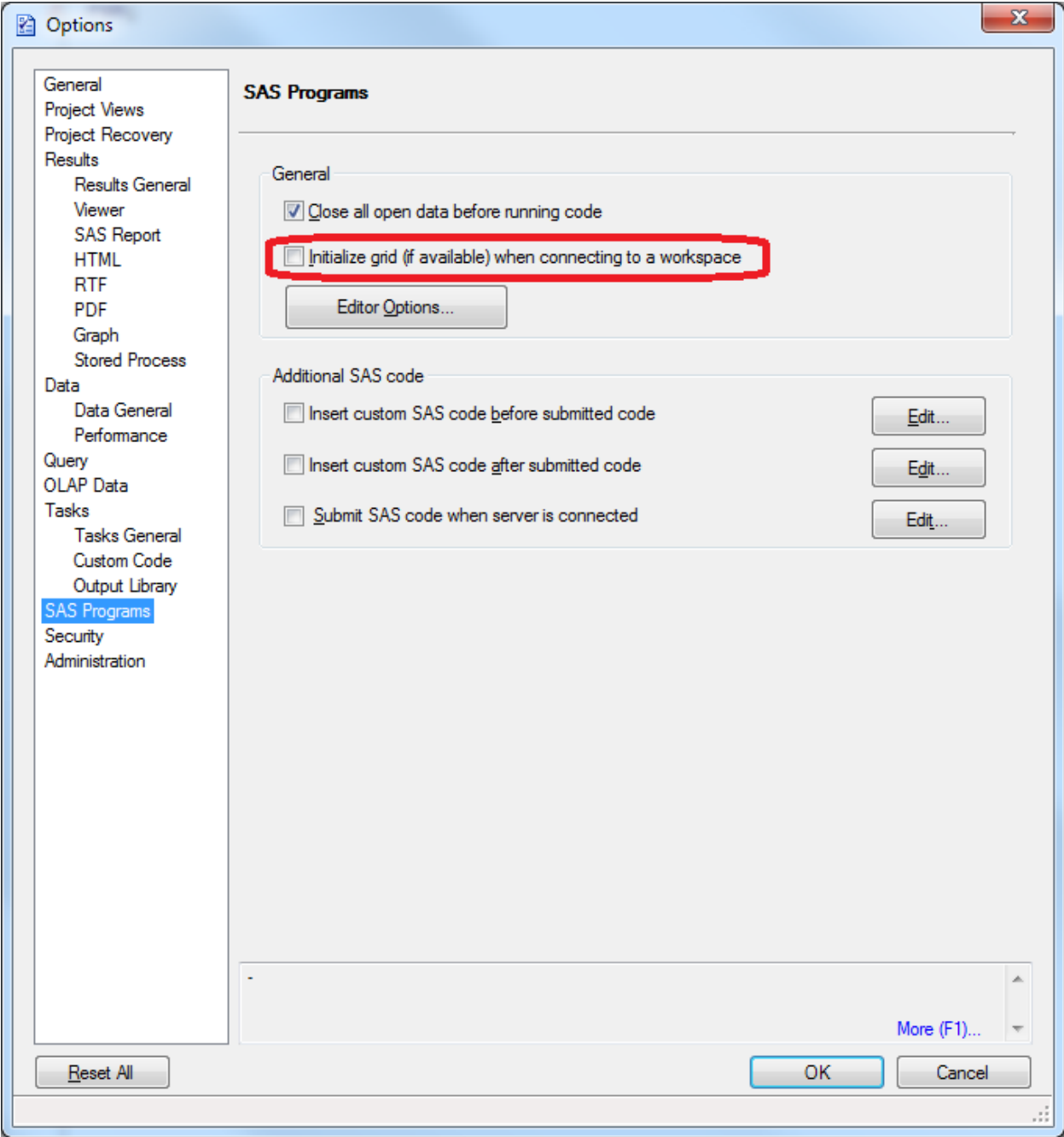


The grid usage can also be controlled at an individual task level by selecting the properties for the task, and using the “Code Submission” page. If the “Use preferences from project properties” radio button is selected, the current configuration from project properties is shown. By selecting “Customize code submission options”, this can be overridden at a task level.



## Initializing the grid connection

To ensure that your grid session and GRIDWORK directory is available for any initial processing that is done when you invoke the EG client, select Tools->Options->SAS Programs. In the General group, select “Initialize grid (if available) when connecting to a workspace”.



## GRIDWORK output library

By default, GRIDWORK is added to the list of default output libraries to use for tasks and queries. GRIDWORK should be listed first in the “Default Library for Output Data (in order of search precedence)” dialog. This ensures that any temporary files are written to GRIDWORK and can be accessed across tasks.

## How do I know if a task is running on the grid?

The tasks status view now has a “Server Type” column. If a task is running on the grid, it will show “Grid”. If it is running on a workspace server, it will show “Workspace”.

Task	Status	Queue	Server	Server Type
Program1	Connecting to server...		SASApp	Grid
Program2	Waiting on [Program1]...		SASApp	Workspace

## Where is the SAS log for the grid connection?

The SAS log for the connection can be found by locating the server in the SDS server list and selecting properties on the context menu. From the “Software tab”, click the “View Initialization Log...” button. Note the editor provides a Ctrl+E command to navigate to the next warning or error.

## How do I hide the generated grid wrapper code in the SAS log?

Users often don’t want to see any of the ODS wrapper code generated by EG in the SAS log. This is controlled by the option (Tools->Options->Results->Results General, “Show generated wrapper code in SAS log”). This also controls whether we show the generated wrapper code for the grid

## How do I figure out which grid node a task actually ran on?

The SAS log will show which grid node the task actually ran on as part of the grid wrapper code.

```
2:
3: 1          rsubmit task1;
4: NOTE: Remote submit to TASK1 commencing.
5: 1586 %put NOTE: Using grid node &SYSHOSTNAME to run task.;
6: NOTE: Using grid node cntlax9201 to run task.
```

## How do I enable existing projects to run on the grid?

To run existing non-grid aware projects on the grid, use the project maintenance feature to remap WORK to GRIDWORK (Tools->Project Maintenance in EG).

- Project
- Servers
  - SASApp
- Libraries
  - SASHELP
  - WORK**
- Data Items
  - SASHELP.CARS (SASApp)
  - WORK.QUERY\_FOR\_CARS (SASApp)
- OLAP Servers
- OLAP Catalogs

**Libraries > WORK**

Library Name: WORK  
Metadata Path: SAS:\Servers\SASApp\Libraries\WORK  
Server: SASApp  
SAS Libref:

Replace in P

Information:

Replace SAS Library

Selected location:  
GRIDWORK

Refresh Disconnect Stop

- rdcesx07117
  - SASApp
    - Libraries
      - GRIDWORK**
      - JazzTest
      - KeithTestMeta