Working with Scripts in Target

Scripting refers to the act of creating and running a file that will carry out many operations in a row. If you perform a task repeatedly in Target, you can automate the task using a script. Geosoft Scripts are ASCII files (with a *.gs extension) that contain a series of actions or commands that are grouped together in a single file to accomplish a task automatically. This How-to Guide is intended to provide you with a basic introduction to Geosoft Scripts in Target.

Some typical uses for scripts include:

- Automate complex or repetitive tasks
- Create standard map layouts
- Run Target functions from the DOS command prompt
- Process large amounts of data overnight

Geosoft Scripts work by recording the actions you perform on a dataset. When you run a script, the commands you recorded are executed on data in a specified project. You can run scripts either interactively in Target or from the command line using the Oasis montaj Scripts Processor (OMS.exe).
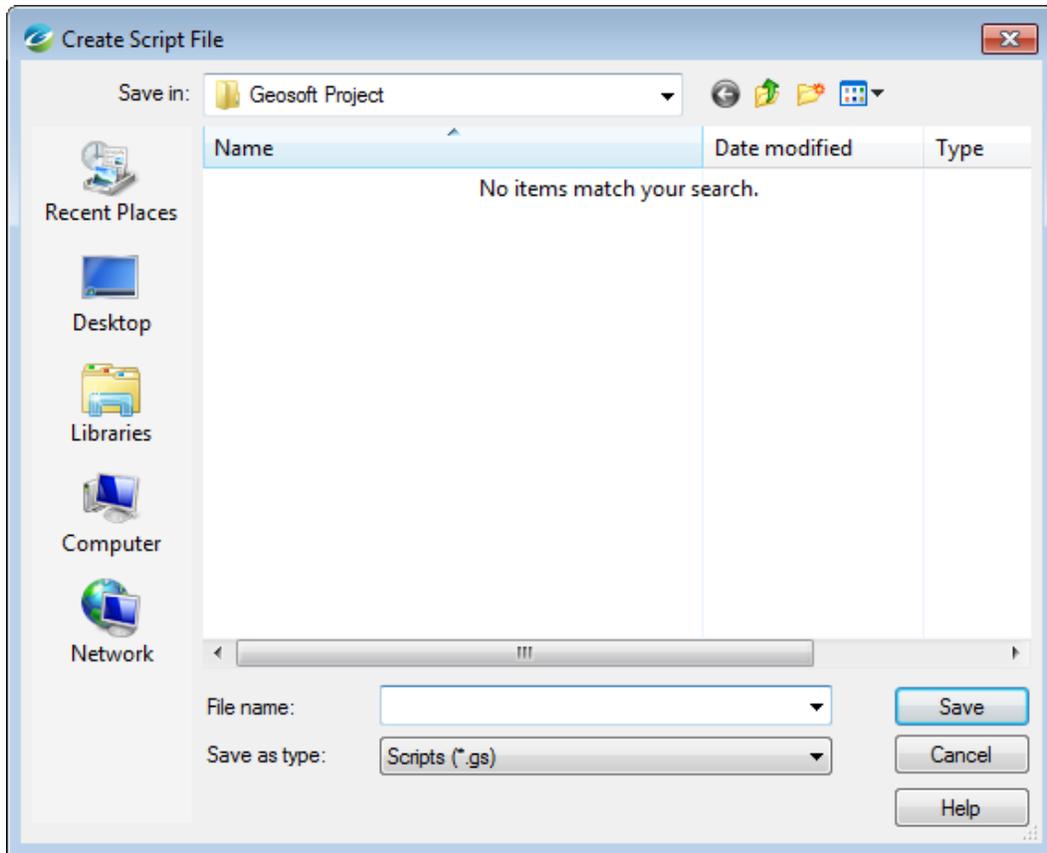
> *For more information on using Scripts, see the Creating Scripts In Oasis montaj Technical Note, available online at:* *www.geosoft.com/resources/technotes/*

Batch Processing with Scripts

Target Scripts are ASCII files that define a series of processing actions to be performed on selected datasets. You can run scripts interactively in Target using the script toolbar buttons or the *Scripting* commands found under the *GX* menu.

To Create a Script File

1. On the *GX* menu, select *Scripting* and then select **Record Script**.
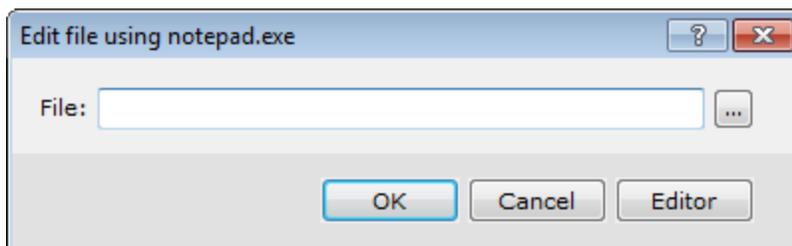   The *Create Script File* dialog appears

2. Specify a *File name*

3. Click **Save**.

4. Perform your scripting actions.

5. On the *GX* menu, click **Stop recording…**. The system stops recording your actions. All of your actions were recorded and saved to the specified script **.gs** file.

⚠️   *Click the **Help** button for more information on creating a Script file.*

To view a Script

1. On the *Edit* menu, click **Edit a File**.
    The *Edit file...* dialog appears.

2. Using the *Browse* button, select the script file from your project folder.

3. Click **OK**. The system opens up the file in your default text editor.

Example

In the example below, we created a script file using the script file record option. This operation writes a script file (*.GS) by recording each GX that you run during the session until you stop script recording (from the GX menu). The resulting (*.GS) file contains sufficient parameter and database information to run the selected GXs in the same sequence. We recorded a script of two different GXs - added a line path and line profiles to a map.

Below is the recorded script file *test.GS*.

The two GXs that were recorded are shown beside the GX command: PATH and PROFILE.

```
/------------------------------------------------------------------------
/ LOG OPENED : Mon Sep 10 15:37:30 2012
/------------------------------------------------------------------------
CURRENT Map,"e:\testing\Magnetics.map"
CURRENT Grid,"e:\testing\mag.grd(GRD)"
CURRENT Database,"e:\testing\Mag.gdb"
SETINI PATH.LINE_COLOR="K"
SETINI PATH.LINE_THICKNESS="0.15"
SETINI PATH.TICKFLAG="0"
SETINI PATH.LABEL_FORMAT="TL"
SETINI PATH.LABEL_DIR="0"
SETINI PATH.LABEL_COMPASS="0"
SETINI PATH.LABEL_LOCATION="1"
SETINI PATH.LABEL_SIZE="2.5"
SETINI PATH.LABEL_COLOR="K"
SETINI PATH.LABEL_WEIGHT="0"
SETINI PATH.H_OFFSET="2"
SETINI PATH.V_OFFSET="0"
SETINI PATH.GAP="0"
SETINI PATH.THINRES="0.02"
GX path.gx
CURRENT Map,"e:\testing\Magnetics.map"
CURRENT Grid,"e:\testing\mag.grd(GRD)"
CURRENT Database,"e:\testing\Mag.gdb"
SETINI PROFILE.CHANNEL="mag"
SETINI PROFILE.SCALE="100"
SETINI PROFILE.BASE=""
SETINI PROFILE.LOG="0"
SETINI PROFILE.LOGBASE="1.0"
SETINI PROFILE.SMOOTH="0"
SETINI PROFILE.COLOR="MY"
SETINI PROFILE.THICKNESS="0.15"
SETINI PROFILE.STYLE="0"
SETINI PROFILE.PITCH="5"
SETINI PROFILE.PFILCOL="N"
```

```
SETINI PROFILE.NFILCOL="N"

SETINI PROFILE.GAP=""

SETINI PROFILE.JOIN="1"

SETINI PROFILE.PLOTORDER="1"

GX profile.gx

/-----------------------------------------------------------------------

/ LOG CLOSED : Mon Sep 10 15:37:46 2012

/-----------------------------------------------------------------------
```

💡 *For more information on using Scripts, see the Creating Scripts In Oasis montaj Technical Note, available online at:* *www.geosoft.com/resources/technotes/*

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