
Command Reference: RunDSSUTL()

Run the DSSUTL program from the US Army Corps of Engineers

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The RunDSSUTL () command runs the Army Corps of Engineers' DSSUTL program, which is used with HEC-DSS files. See also the **HEC-DSS Input Type** appendix. This command formats the command line for the program, runs the program, and checks the exit value. A non-zero exit value will result in a failure status for the command.

TSTool internally maintains a working directory that is used to convert relative paths to absolute paths in order to locate files. The working directory is by default the location of the last command file that was opened. The location of the *DSSUTL.EXE* file is determined by the operating system using the PATH environment variable; therefore, use the `${WorkingDir}` property in the command line if the program location is not in PATH. Use `\` in the command line or arguments to surround whitespace.

It is not clear whether DSSUTL has limits on path or filename length, but if this appears to be the case, use shorter names. If DSSUTL is not provided with correct input, it may go into interactive mode, in which case TSTool may appear to stop when running the command. Currently there is no way to kill the DSSUTL process and TSTool must be restarted.

The following dialog is used to edit the command and illustrates the command syntax. Note that the *DSSUTL.EXE* location is in this case not included in the PATH environment variable and is specified with the `DssutlProgram` parameter, using `${WorkingDir}`. The HEC-DSS and input files are relative to the working directory.

Edit RunDSSUTL() Command

This command run runs the DSSUTL program, developed by the US Army Corps of Engineers.
DSSUTL processes data stored in a HEC-DSS binary database file, using DSSUTL commands in the input file.
The DSSUTL program location must be in the PATH environment variable, specified using an absolute path, or specified using `${WorkingDir}`, which is the location of the command file.
The HEC-DSS file must exist because otherwise the DSSUTL software prompts for the filename, and interaction with DSSUTL from TSTool is not enabled.
DSSUTL will be run in TSTool's working directory (command file location).
Specify a full or relative path to HEC-DSS, input, and output files (relative to working directory).
The working directory is: C:\Develop\TSTool_SourceBuild\TSTool\test\regression\commands\general\RunDSSUTL

HEC-DSS file:

Input file:

Output file:

DSSUTL program:

Command:
`RunDSSUTL (DssFile="Data\sample.dss", InputFile="Data\sample_TA_Results.mco", DssutlProgram="${WorkingDir}\DSSUTL.EXE")`

RunDSSUTL

RunDSSUTL() Command Editor when Specifying Command Line

The command syntax is as follows:

```
RunDSSUTL (Parameter=Value...)
```

Command Parameters

Parameter	Description	Default
DssFile	The HEC-DSS filename as an absolute path or relative to the working directory. The file must exist because TSTool does not interface with the DSSUTL interactive mode prompts. The parameter is passed to DSSUTL using the DSSFILE= command line argument.	None – must be specified.
InputFile	The DSSUTL command file to run. The file must exist because TSTool does not interface with the DSSUTL interactive mode prompts. This is passed to DSSUTL using the INPUT= command line argument.	None – must be specified.
OutputFile	The DSSUTL output file, which contains logging information. This is passed to DSSUTL using the OUTPUT= command line argument. Specifying the argument will cause output to be printed to the file and not the screen. Note that some DSSUTL commands write to other output files, which should not be confused with the output file for this argument.	Not required by DSSUTL.
DssutlProgram	The DSSUTL program to run.	If not specified, <i>DSSUTL.EXE</i> must be located in a directory listed in the PATH environment variable.