
Command Reference: WriteNetworkToStateMod()

Write generalized network data to a StateMod file

StateMod Command

Version 3.09.01, 2010-02-01

The `WriteNetworkToStateMod()` command writes the generalized network to a StateMod XML network file. The following dialog is used to edit the command and illustrates the syntax of the command.

Edit WriteNetworkToStateMod() Command

This command writes the generalized network data to a StateMod file (XML format).
It is recommended that the file be specified using a path relative to the working directory.
The working directory is: C:\Develop\StateDMI_SourceBuild\StateDMI\test\regression\UserManualRef\CreateNetworkFromRiverNetwork
The default value for "Write how" is OverwriteFile, which will create a new file, overwriting an old file if it exists.

StateMod file:

Write how: Optional - indicate whether to overwrite/update (default=OverwriteFile).

Command:

WriteNetworkToStateMod

WriteNetworkToStateMod() Command Editor

The command syntax is as follows:

```
WriteNetworkToStateMod (Parameter=Value,...)
```

Command Parameters

Parameter	Description	Default
OutputFile	The name of the output file to write, surrounded by double quotes.	None – must be specified.
WriteHow	OverwriteFile if the file should be overwritten or UpdateFile if the file should be updated, resulting in the previous header being carried forward.	OverwriteFile

The following example command file illustrates how the command might be used:

```
# Create a generalized XML network from individual StateMod files
# Read the network, which contains upstream to downstream connectivity but does
# not indicate node types
ReadRiverNetworkFromStateMod(InputFile=cm2005.rin)
# Read the stations, which imply the node types
ReadRiverStreamGageStationsFromStateMod(InputFile=cm2005.ris)
ReadRiverDiversionStationsFromStateMod(InputFile=cm2005.dds)
ReadRiverReservoirStationsFromStateMod(InputFile=cm2005.res)
ReadRiverInstreamFlowStationsFromStateMod(InputFile=cm2005.ifs)
ReadRiverWellStationsFromStateMod(InputFile=cm2005.wes)
# To be developed...
#ReadRiverPlanStationsFromStateMod()
ReadRiverStreamEstimateStationsFromStateMod(InputFile=cm2005.ris)
# Now create the generalized network, using the connectivity and node types
CreateNetworkFromRiverNetwork()
# Fill in node names and locations from HydroBase, if any is still missing
FillNetworkFromHydroBase()
# Write the generalized network
WriteNetworkToStateMod(OutputFile="cm2005.net")
# Check for errors (the following is not yet implemented)
#CheckNetwork()
WriteCheckFile(OutputFile="cm2005.net.check.html")
```