

# Command Reference: WriteRiverNetworkToStateMod()

Write StateMod river network data to a StateMod file

## StateMod Command

Version 3.09.01, 2010-02-01

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

**Edit WriteRiverNetworkToStateMod() Command**

This command writes the StateMod river network data to a StateMod river network file.  
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\CreateRiverNetworkFromNetwork  
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:

WriteRiverNetworkToStateMod

**WriteRiverNetworkToStateMod() Command Editor**

The command syntax is as follows:

```
WriteRiverNetworkToStateMod(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 command file illustrates how a StateMod river network file can be created from the generalized network file:

```
StartLog(LogFile="rin.commands.StateDMI.log")
# rin.commands.StateDMI
#
# creates the river network file for the Colorado River monthly/daily models
#
# Step 1 - read river nodes from the network file and create file framework
#
ReadNetworkFromStateMod(InputFile="cm2005.net")
CreateRiverNetworkFromNetwork()
#
# Step 2 - get node (diversion, stream stations, reservoirs, instream flows)
#           names from HydroBase
#
FillRiverNetworkFromHydroBase(ID="*",NameFormat=StationName_NodeType)
#
# Step 3 - read missing node names from network file
#
FillRiverNetworkFromNetwork(ID="*",NameFormat="StationName_NodeType",
    CommentFormat="StationID")
#
# Step 4 - create StateMod river network file
#
WriteRiverNetworkToStateMod(OutputFile="..\StateMod\cm2005.rin")
#
# Check the results
CheckRiverNetwork(ID="*")
WriteCheckFile(OutputFile="rin.commands.StateDMI.check.html")
```