Command Reference: AppendNetwork ()

Read generalized network from a StateMod XML network file and append to existing network

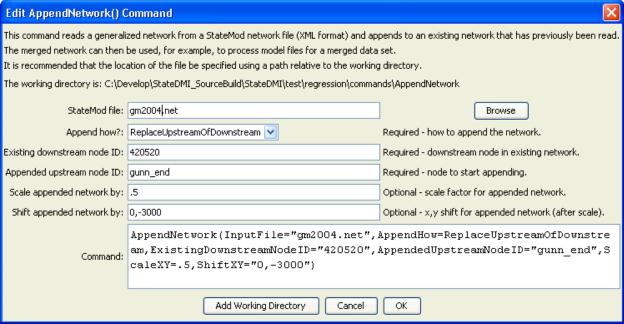
StateMod Command

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This command is under development.

The AppendNetwork () command reads a generalized network from a StateMod XML network file and appends to the network that has previously been read (e.g., with the ReadNetworkFromStateMod() command). The merged network can then be manipulated and utilized by other commands. StateDMI also can be used to merge other data set files (by reading multiple files and then writing out) or the SmLink StateMod utility program can be used. It is likely that the plotting coordinates for different networks will not be consistent and therefore the appended network must be scaled and shifted to achieve a desirable layout. After processing, the network can be interactively edited in the network editor, although changes will be overwritten when rerunning commands. This command may be updated in the future to better handle discontinuities between networks.

The following dialog is used to edit the command and illustrates the syntax of the command.



AppendNetwork () Command Editor

AppendNtwork

The command syntax is as follows:

AppendNetwork (Parameter=Value, ...)

Command Parameters

Parameter	Description	Default
InputFile	The name of the StateMod XML network file	None – must
	to read.	be specified.
AppendHow	Indicates how the network should be	None – must
	appended, one of:	be specified.
	ReplaceUpstreamOfDownstream	
	 replace all nodes upstream of the 	
	existing downstream node with the	
	appended network.	
	AddUpstreamOfDownstream - add	
	the appended network as a reach	
	upstream of the existing downstream node.	
ExistingDownstreamNodeID	The node identifier in the existing network	None – must
Existing Downs creamino del D	that will be downstream of the appended	be specified.
	network.	oe specifica.
AppendedUpstreamNodeID	The node identifier in the appended network	None – must
	that will be upstream of the	be specified.
	ExistingDownstreamNodeID. All	_
	nodes in the appended network below the	
	appended node will be discarded.	
ScaleXY	The scale to be applied to the appended	1.0
	network. The appended network is first	
	shifted so that the plotting coordinates for	
	AppendedUpstreamNodeID are 0,0. The appended network coordinates are then scaled	
	by ScaleXY relative to this origin. The	
	scale should be specified to equilibrate the	
	spacing of nodes in the existing and appended	
	network.	
ShiftXY	The X,Y plotting coordinates to shift the	0,0
	appended network after the scale is applied, to	
	position the appended nodes relative to the	
	existing network.	

The following example illustrates how to append the Gunnison model network to the Colorado model network: