



Center for Advanced Decision Support for
Water and Environmental Systems (CADSWES)

UNIVERSITY OF COLORADO **BOULDER**

Objects, Slots, Subbasins and Model Files

2026 RiverWare User Group Meeting

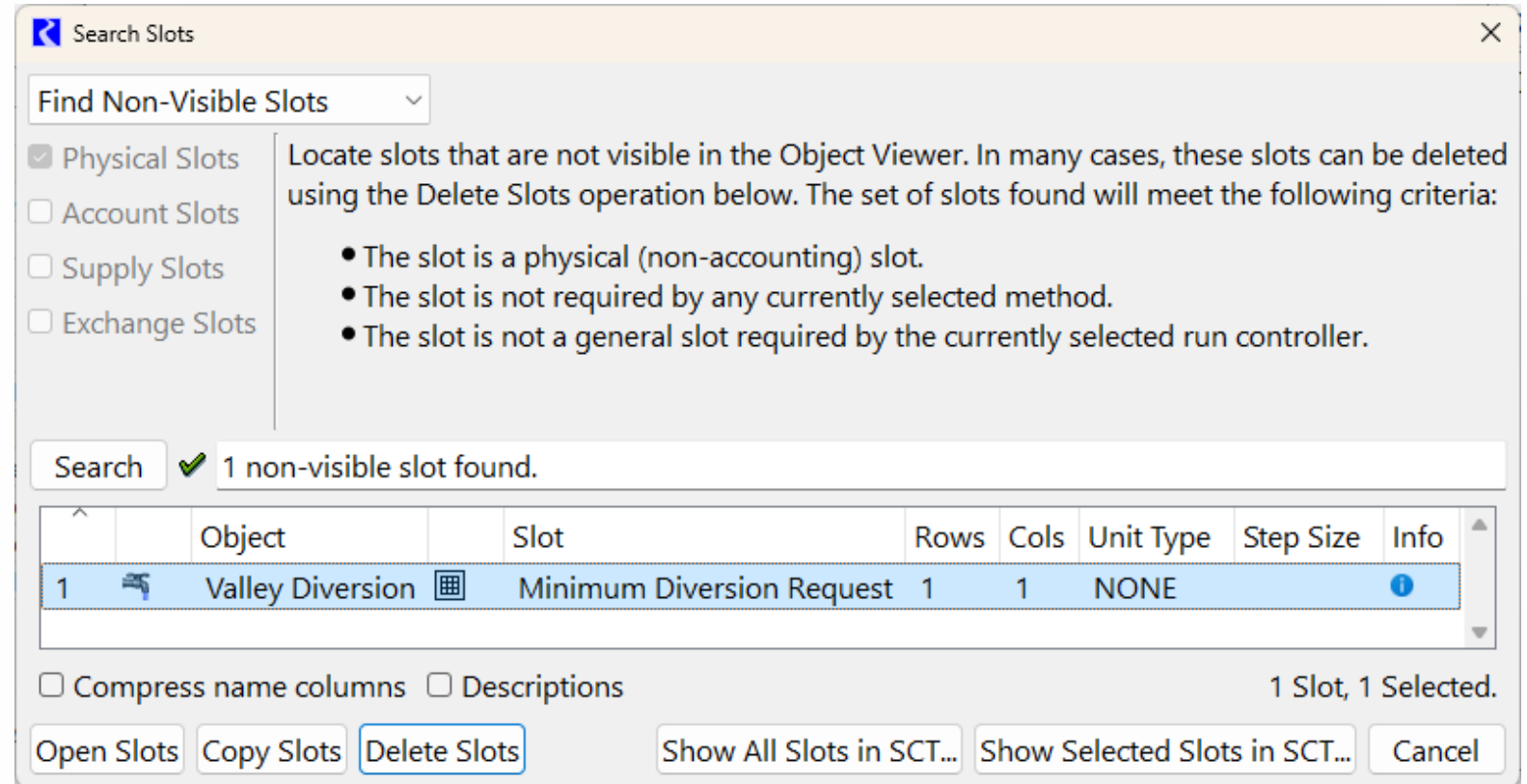
Presenter: David Neumann

Objects and Slots Interface

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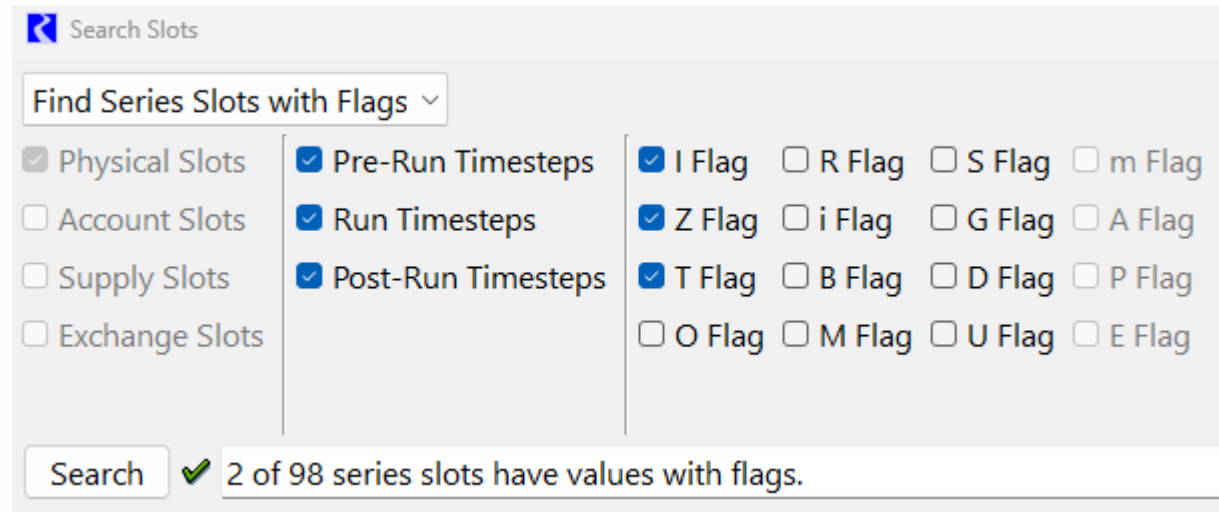
Find and delete non-visible slots – 9.5 – DEMO

- Locate slots that are no longer visible due to method selection
- Delete as needed
- Reduce model size on disk
- Faster save and load



Find series slots with flags – 9.6 – DEMO

- Locate slots and values that have a particular flag
- Now all flags are possible



Search Slots

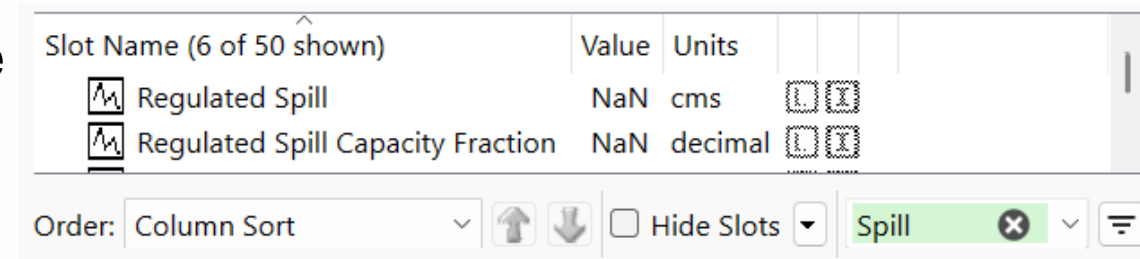
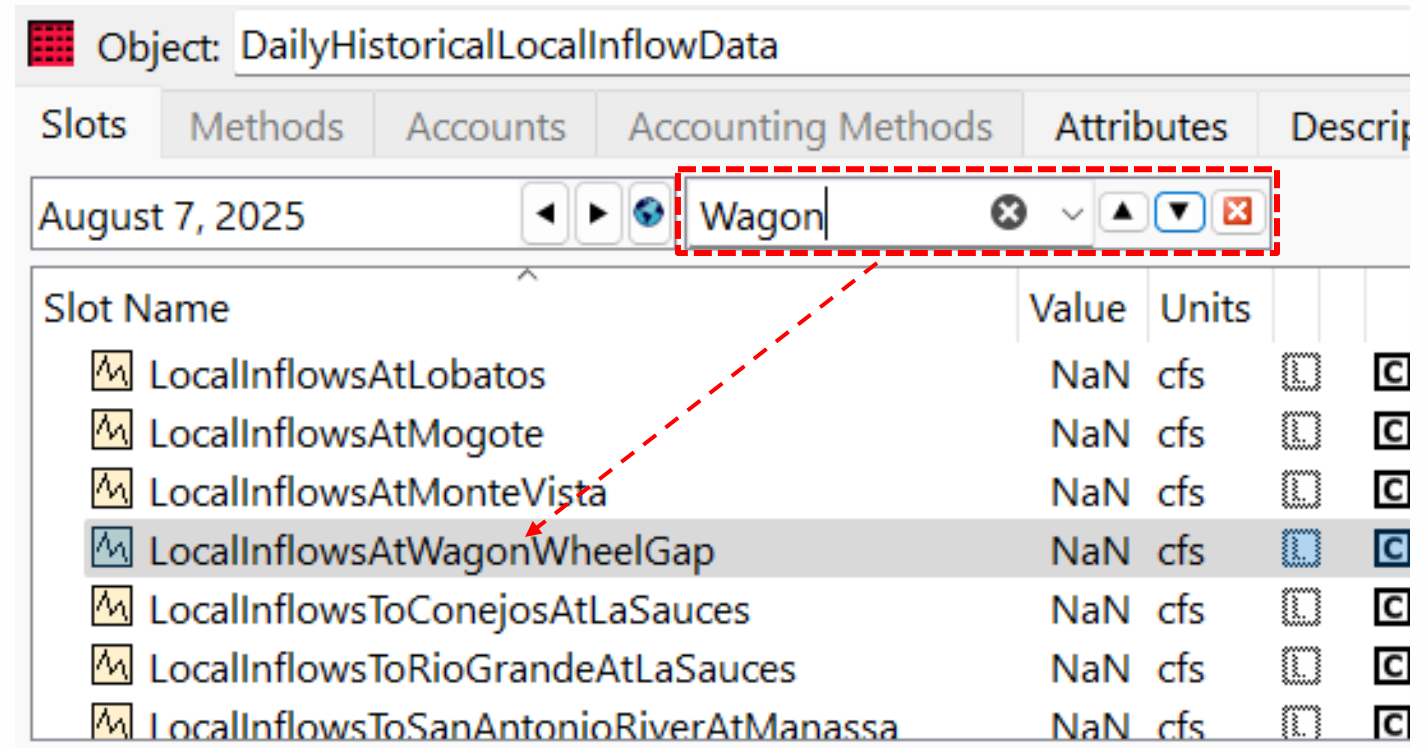
Find Series Slots with Flags ▾

☒ Physical Slots	☒ Pre-Run Timesteps	☒ I Flag	☐ R Flag	☐ S Flag	☐ m Flag
☐ Account Slots	☒ Run Timesteps	☒ Z Flag	☐ i Flag	☐ G Flag	☐ A Flag
☐ Supply Slots	☒ Post-Run Timesteps	☒ T Flag	☐ B Flag	☐ D Flag	☐ P Flag
☐ Exchange Slots		☐ O Flag	☐ M Flag	☐ U Flag	☐ E Flag

Search ✓ 2 of 98 series slots have values with flags.

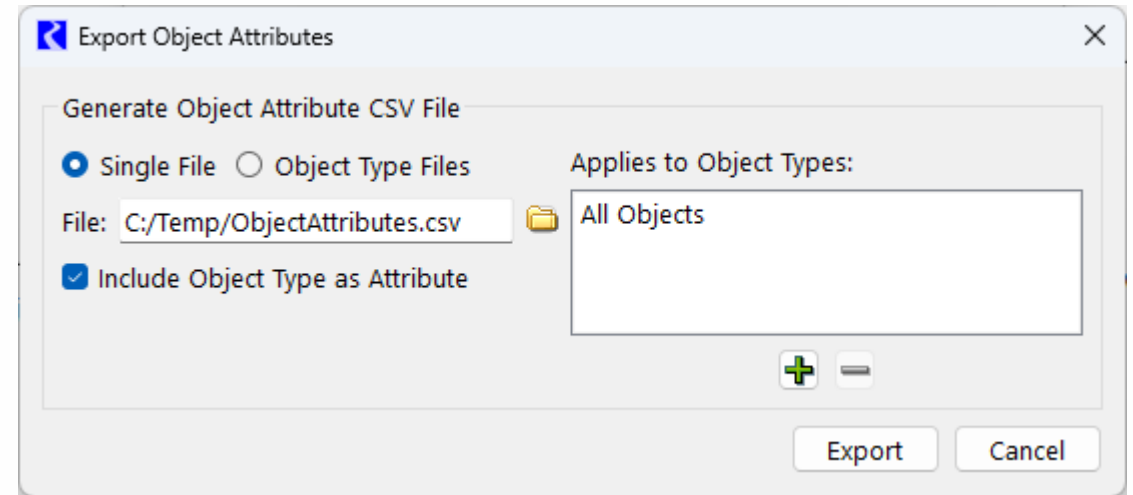
Find Slots and accounts – DEMO – 9.7

- Object Viewer and Object Window
- Open Account Viewer
- Edit -> Find (Ctrl+F)
- Locates the slot or account in the list
- **Upcoming (9.8):**
 - Search across tabs and the entire workspace
 - Filter Slots shown
 - Search and Filter in RPL Set Editor



Export Object Attributes as CSV – 9.5

- Export keyword/value attributes to CSV
- Single File or Object Type file
- Export at start of MRM run to keep track of what is in that run



Ensemble Data Set Slot Grouping – 9.6

2025 UGM
Request

Group by Slot Name

Object: Bighorn_Output

☒ Save in the Model File Group slots by: Slot Name

Slots Methods Accounts Accounting Methods Att

August, 2025

Slot Name	Value	Units		
> [G] Elk Pool Elevation				
▼ [G] Elk Outflow				
[M] Elk Outflow 1	3,567.2	cfs	[L]	[X] [C]
[M] Elk Outflow 2	3,631.5	cfs	[L]	[X] [C]
[M] Elk Outflow 3	3,096.0	cfs	[L]	[X] [C]
[M] Elk Outflow 4	3,439.3	cfs	[L]	[X] [C]
[M] Elk Outflow 5	3,088.8	cfs	[L]	[X] [C]
[M] Elk Outflow 6	3,483.2	cfs	[L]	[X] [C]

Group by Trace Number

Object: Bighorn_Output

☒ Save in the Model File Group slots by: Trace Number

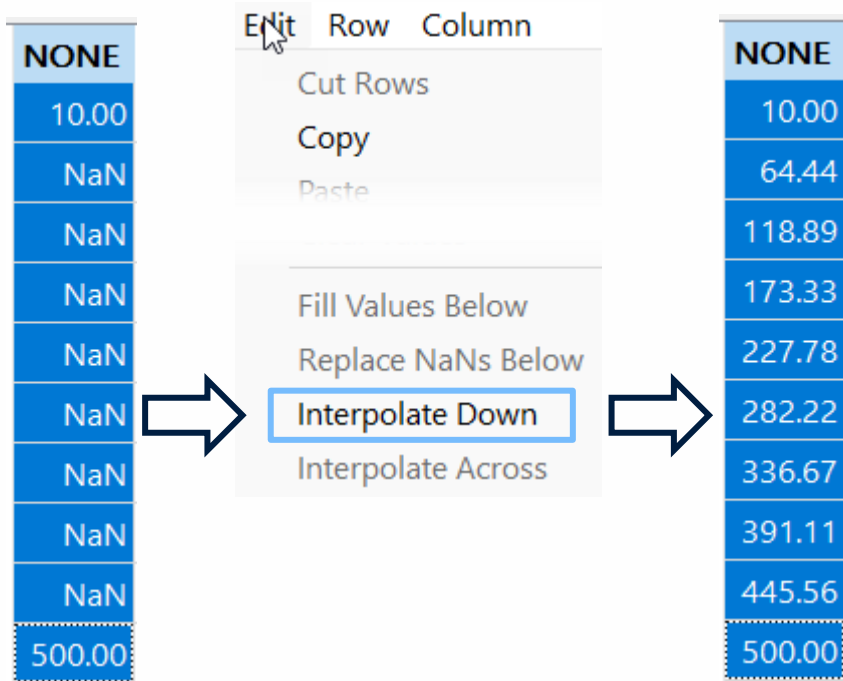
Slots Methods Accounts Accounting Methods Att

August, 2025

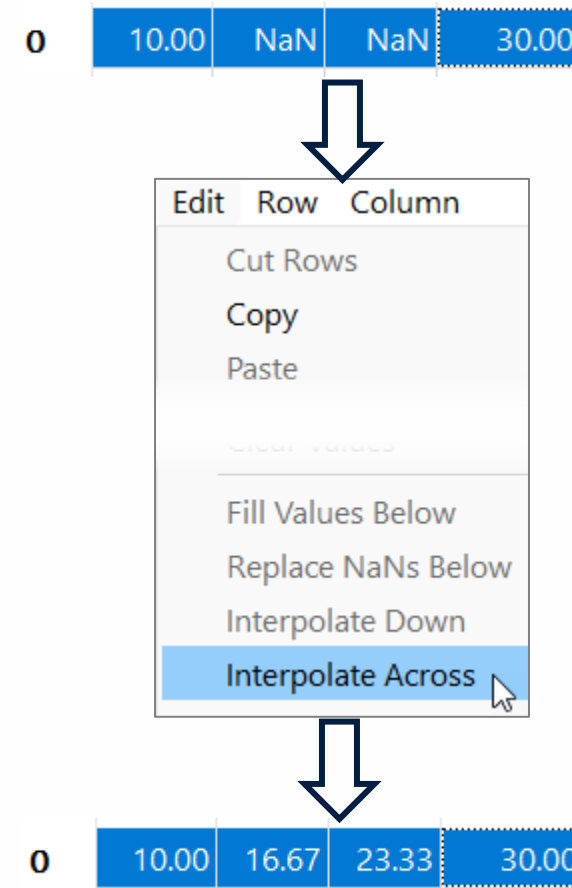
Slot Name	Value	Units		
▼ [G] Trace 1				
[M] Elk Outflow 1	3,567.2	cfs	[L]	[X] [C]
[M] Elk Pool Elevation 1	611.23	ft	[L]	[X] [C]
▼ [G] Trace 2				
[M] Elk Outflow 2	3,631.5	cfs	[L]	[X] [C]
[M] Elk Pool Elevation 2	607.80	ft	[L]	[X] [C]
▼ [G] Trace 3				
[M] Elk Outflow 3	3,096.0	cfs	[L]	[X] [C]
[M] Elk Pool Elevation 3	634.20	ft	[L]	[X] [C]
▼ [G] Trace 4				
[M] Elk Outflow 4	3,439.3	cfs	[L]	[X] [C]
[M] Elk Pool Elevation 4	620.89	ft	[L]	[X] [C]

Interpolate Across - 9.7

- Interpolate Down



- Interpolate Across



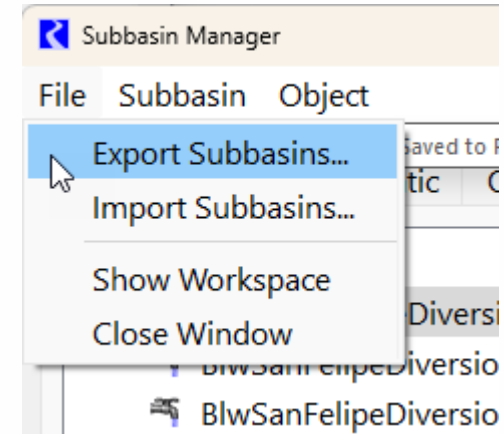
Subbasins

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Subbasins

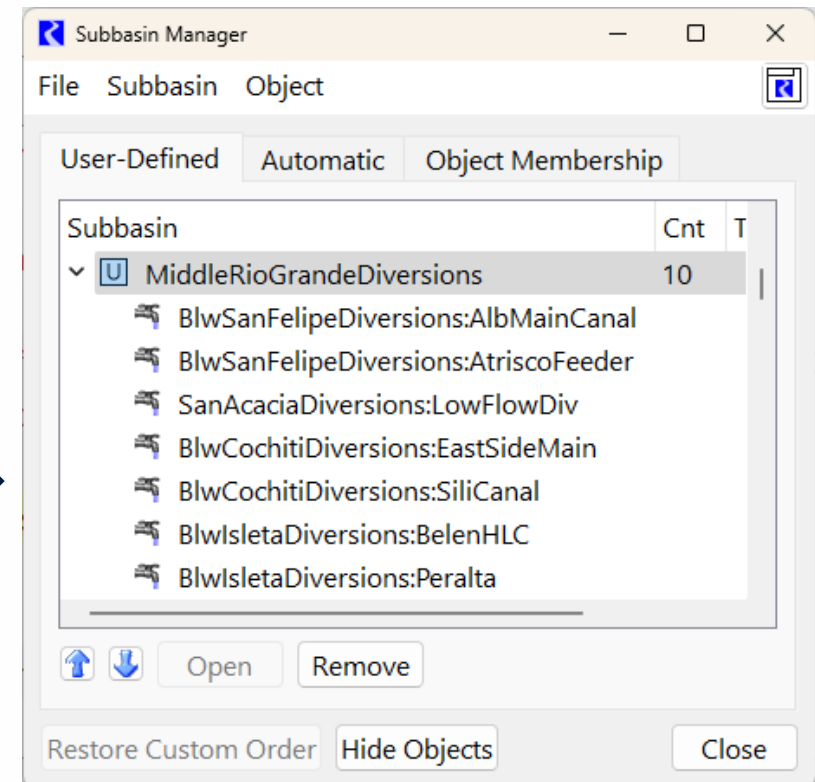
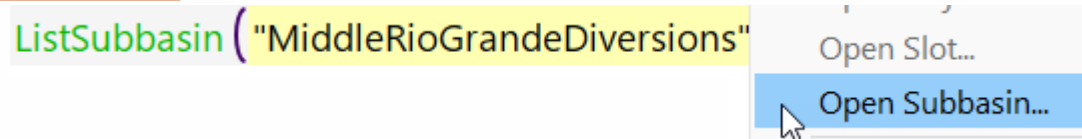
- Export subbasin definitions (9.5)

2025 UGM
Request



- Open subbasin from RPL reference (9.5)

2025 UGM
Request

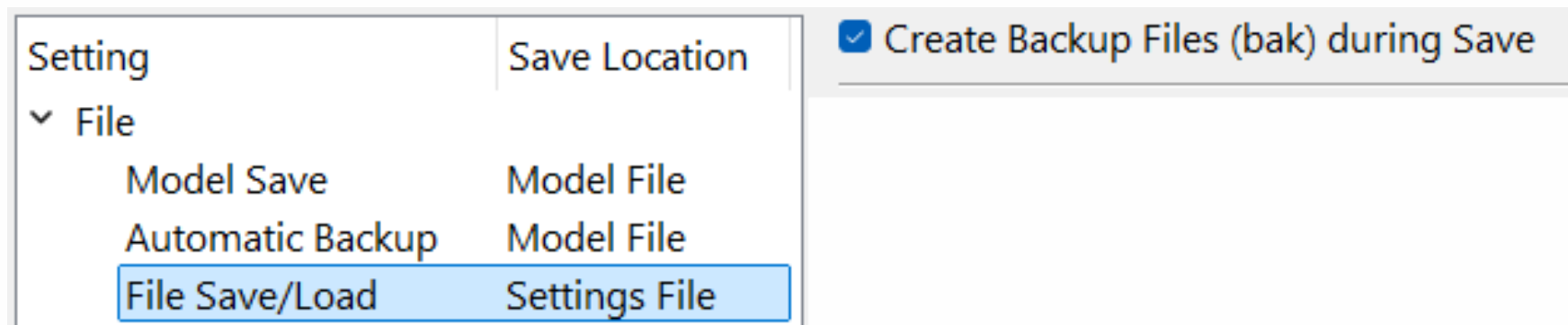


Model Files

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Model Files

- Reopen Model button on toolbar (9.6) 
- File .bak setting in the Settings Manager (9.6)



Applies to model files and other files

Questions?

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