

# AddNavFile

## Summary

This block is used to create or update a NavFile with its root Node.

## Implementation

- Drag and drop the block from the palette
- Link the "execute" action from the "executed" topic of the previous block

## Example

In the example below, we create a new navFile named myNavFile.nav directly in the Files spaces.  
The root Node will be called "myNiagaraNetwork", it will target the NiagaraNetwork and it will have the Niagara "deviceNetwork.png" icon

The screenshot shows a 'Add Nav File' dialog box. The title bar says 'Add Nav File'. Below it, the subtitle is 'AddNavFile (Add Nav File Block)'. The dialog contains several sections, each with a folder icon and a label: 'Artifacts' (with a dropdown set to 'Added' and a text field 'root'), 'Target Directory' (with a dropdown 'Extract value from: Ord Target' and a text field 'file:^'), 'File Name' (with a text field 'myNavFile.nav'), 'Display Name' (with a text field 'myNiagaraNetwork'), 'Target Ord' (with a dropdown 'Extract value from: Ord Target' and a text field 'station:|slot:/Drivers/NiagaraNetwork'), 'Icon Ord' (with a dropdown 'Extract value from: Ord Target' and a text field 'local:|module://icons|module:///icons/x16/navOnly/deviceNetwo:'), and 'Policy' (with a dropdown 'Add Or Replace'). At the bottom are 'OK' and 'Cancel' buttons.

## Properties

- Artifacts created by this block
  - Added: name of the created node. Useful for following AddNodeToNavFile
- TargetDirectory: The directory in which the NavFile will be created.
- FileName: The name of the NavFile. If the file doesn't exist, it will be created.
- DisplayName: The display name of the root node. Slashes AREN'T allowed inside the displayName.
- TargetOrd: The ord of the component to target
- IconOrd: The ord to the icon of the rootNode
- Policy {AddOnlyIfNotExists, AddAlways, AddOrMerge, AddOrReplace}: Define the behavior of the component to add if it already exists:
  - Add only if not exists: nothing will happen if a root already exists with the same name in the file
  - Add always: nothing will happen if a root already exists with the same name in the file, it is impossible to have several root in the same file.
  - Add or merge: it will merge properties from the value to the existing component.
  - Add or replace: the existing component is removed before the new one is added.

## Behavior: DO

The NavFile is created

**Behavior: UNDO**

The NavFile is removed