

# Use Windows 32 Bit IBIS Model on Windows 64 bit ADS

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IBIS AMI models are platform dependent. A Windows 32 bit IBIS AMI model can be only used with Windows 32 bit ADS.

### Issue

How to use Windows 32 bit IBIS AMI model on Windows 64 bit ADS.

### Solution

1. Download the attached [ibis\\_wrapper.zip](#) file. [ibis\\_wrapper.zip](#) include two files: WrapperEXE and WrapperDLL.
2. Unzip them into the same directory as 32-bit IBIS dll' s.
3. Rename **WrapperEXE** to be exactly the same name as the existing dll, just with **.exe** extension. Rename **WrapperDLL** to be the same name as the existing dll with **\_64** added before the extension. So, if you have two 32 bit IBIS dlls such as:  
a\_ami\_tx.dll, a\_ami\_rx.dll  
You would make two copies of the WrapperEXEs, rename them as  
a\_ami\_tx.exe, a\_ami\_rx.exe  
Make two copies of the WrapperDLL and rename them as  
a\_ami\_tx\_64.dll, a\_ami\_rx\_64.dll
4. You need to add a 64 bit section to the **.ibs** file, which define the 32 bit dll' s. In the **.ibs** file, find Algorithmic Model section, simply add a new line with a reference to the wrapper dll' s:

```
For a_ami_tx.dll
[Algorithmic Model]
Executable Windows_VisualStudio_64 a_ami_tx_64.dll a_ami_tx.am
Executable Windows_VisualStudio_32 a_ami_tx.dll a_ami_tx.am
[End Algorithmic Model]
```

```
For a_ami_rx.dll
[Algorithmic Model]
Executable Windows_VisualStudio_64 a_ami_rx_64.dll a_ami_rx.am
Executable Windows_VisualStudio_32 a_ami_rx.dll a_ami_rx.am
[End Algorithmic Model]
```

After the above setup, the Windows 32 bit IBIS AMI models can be simulated in Windows 64 bit ADS.

### Notes

For commercially supplied IBIS models, the steps above are recommended to be performed by the supplier of the IBIS model. When this is not possible, end users can perform the steps above but should validate that the IBIS model works as expected in 64-bit mode.

Permission is granted to redistribute the attached files with IBIS models. The files are supplied as-is. It is possible that some IBIS models may not function properly with these wrappers. Validation of correctness is the responsibility of the end user or IBIS model supplier.

### Meta Description

DocOwner:  
DocCustViewable: