ADS 2015_01 Hotfix Installation Instructions

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MacOS : libcudart.dylib, libcudart_static.a
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Windows : cufft.dll
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Linux : libnppc.so, libnppi.so, libnpps.so
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Component : NVIDIA Optimizing Compiler Library
Windows : nvvm.dll
MacOs : libnvvm.dylib
Linux : libnvvm.so

Component : NVIDIA Common Device Math Functions Library
Windows : libdevice.compute_20.bc, libdevice.compute_30.bc, libdevice.compute_35.bc
MacOs : libdevice.compute_20.bc, libdevice.compute_30.bc, libdevice.compute_35.bc
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Component : CUDA Occupancy Calculation Header Library

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Table of Contents

ADS 2015_01 Hotfix Installation Instructions

ADS2015.01 hotfix	**ads201501hf‹x›** where, ‹x›=Current Hotfix Version
Applicable for	Windows, Linux
Version	**430.hf‹x›** where, ‹x›=Current Hotfix Version

Purpose

This document describes the installation instructions for ADS2015.01 hotfix, which needs to be installed on top of existing ADS 2015.01 installation.

Prerequisite

You can install a hotfix on the top of ADS installation directory only. Therefore, you need to install ADS 2015.01 before installing the ADS 2015.01 hotfix. Also, if your ADS installation has any previous hotfixes already installed, before installing current hotfix, you need *not* to remove previous hotfixes. Current hotfix can be installed on top of existing hotfixes.

Precautions

Following is the list of precautions:

- Close ADS 2015.01, kill all the background processes related to ADS 2015.01 including Job Manager and Remote simulation, before installing the hotfix."

- Do not start ADS 2015.01 while hotfix installation is in progress.

- Do not interrupt the hotfix installation while it is in progress.

- Disable/Minimize UAC in case of Windows7 before installing hotfix.

- Make sure any of these listed process are not running while installing hot fix.
  ("hpeesofde" , "hpeesofemx" , "hpeesofdds" , "hpeesofhelp" , "hpeesofsim", "hpeesofsess","hpeesofpkg", "MomEngine", "agilent-vacomp", "eesofpvm*", "oaFSLockD.exe")

NOTE   For more information, refer to the instruction notes under **Known Issues and Workaround** topic.

Installing ADS Hotfix on Windows

To install ADS hotfix on Windows:

1. Download the installer archive *ads_2015_01_hf<x>_win.zip.*

2. Extract the contents of the zip file.

    After extraction, a directory *ads_2015_01_hf<x>_win* will be created.

3. In the extracted directory *ads_2015_01_hf<x>_win*, there will be an executable *"ads_2015_01_hf<x>.exe"* and a batch file *"install_ads_2015_01_hf<x>.bat"* in "hf_files" folder, either can be used to install hotfix.

    In Windows 7:

1.   a. Right click on *"ads_2015_01_hf<x>.exe"* and select *"Run as administrator".*

        Installer will be launched. Follow the installer screens till the completion.

        Or

    b. Right click on *"install_ads_2015_01_hf<x>.bat"* and select *"Run as administrator".*

        Command window pops up. Follow the instruction till the completion.

> **NOTE**   We are introducing batch file for installation from this hotfix which haven't qualified fully.

Verification of Successful Installation of ADS Hotfix on Windows

Launch the short cut:

Start > All Programs > Advanced Design System 2015.01 > ADS tools > hotfixes > Show list of installed hotfixes and addons.

This shortcut will show the list of installed hotfixes on ADS2015.01.

> **NOTE**   In Windows 7, if you launch the hotfix installer by double clicking on it instead of "Run as administrator", above shortcut will not be created.

In this case, as a workaround, you can see the list of installed hotfixes on ADS2015.01 by running the executable *"list_of_hotfixes_and_addons.exe"* located in *<ADS installation directory>/bin.*

Uninstalling ADS Hotfix on Windows

To uninstall ADS hotfix on Windows:

1. Open the **hotfixes** folder in the ADS installation directory.

2. Double click and Run the batch file **remove_ads_2015_01_hf<x>.bat**.

3. Enter the ADS installation directory location.

4. Specify ADS2015.01 installation directory location at the prompt.

5. Click Enter.
   The hotfix un-installation process will start. Various status messages will be displayed during un-installation of the hotfix.
   At the end of successful un-installation, a message "hotfix un-installed successfully" will be displayed.

   NOTE

   - Please do *not* cancel the hot fix uninstallation while it is in progress. Please do not close the batch window during hot fix uninstallation. Any of these operations can make the ADS installation directory un-usable.

   - Un-install all the previously installed hot fixes before uninstalling ADS base release or if ADS base release is uninstalled first then remove all the hot fix thrashes (folder) after uninstalling ADS base release.

Installing ADS Hotfix on Linux

1. Download the installer archive *"ads_2015_01_hf‹x›linux.zip"*

2. Open a terminal and set the HPEESOF_DIR environment variable to the existing ADS2015.01 installation directory. For example, Assuming ADS 2015.01 is installed at */disk1/ADS2015.01*, *HPEESOF_DIR=/disk1/ADS2015.01; export HPEESOF_DIR* # bourne or K shell *setenv HPEESOF_DIR /disk1/ADS2015.01* # C shell

3. Extract the contents of the zip file by running the following command on terminal:
   unzip ads_2015_01_hf‹x›_linux.zip

4. After extraction, a directory *"ads_2015_01_hf‹x›_linux"* will be created.

5. Change the directory to the *"ads_2015_01_hf‹x›_linux"* and execute the shell script: *"install_ads_2015_01_hf‹x›.sh"* as follows:
   e.g: ./ install_ads_2015_01_hf‹x›.sh
   You will be prompted to confirm the hotfix installation. Please press "y" at the prompt.

6. Hotfix Installation will start and various messages will be displayed to indicate the progress. At the end of successful installation, a message *"hotfix installed successfully"* will be displayed.

NOTE   Do not cancel the hotfix installation while it is in progress. This can make the ADS installation directory un-usable.

Verification of successful installation of ADS hotfix on Linux

1. Open a terminal and Set the HPEESOF_DIR environment variable to ADS2015.01 installation directory.
   For example, if *ADS 2015.01* is installed at */disk1/ADS2015.01*, then specify the following values for HPEESOF_DIR Environment variable:
   HPEESOF_DIR=/disk1/ADS2015.01; export HPEESOF_DIR # bourne or K shell *setenv HPEESOF_DIR /disk1 /ADS2015.01* # C shell

2. Change the directory to *"$HPEESOF_DIR/hotfixes"* and execute the shell script:
   "list_installed_hotfixes.sh".
   For example, ./ list_installed_hotfixes.sh

3. You will see the list of the hotfixes as shown below:

List of regular hotfixes:

Version	Hotfix_name	Date_of_installation	status
430.hf‹x›	*ads_2015_01_hf‹x›*	*‹Hotfix release date›*	installed

Uninstalling ADS Hotfix on Linux

1. Open a terminal and set the *HPEESOF_DIR* environment variable to ADS2015.01 installation directory.

   For example, if ADS2015.01 is installed at */disk1/ADS2015.01,* then specify the following values for HPEESOF_DIR environment variable:

   HPEESOF_DIR=/disk1/ADS2015.01; export HPEESOF_DIR # bourne or K shell *setenv HPEESOF_DIR /disk1 /ADS2015.01* # C shell

2. Change the directory to "$HPEESOF_DIR/hotfixes" and execute the shell script:

   "remove_ads_2015_01_hf<x>.sh".

   For example, */ remove_ads_2015_01_hf<x>.sh*

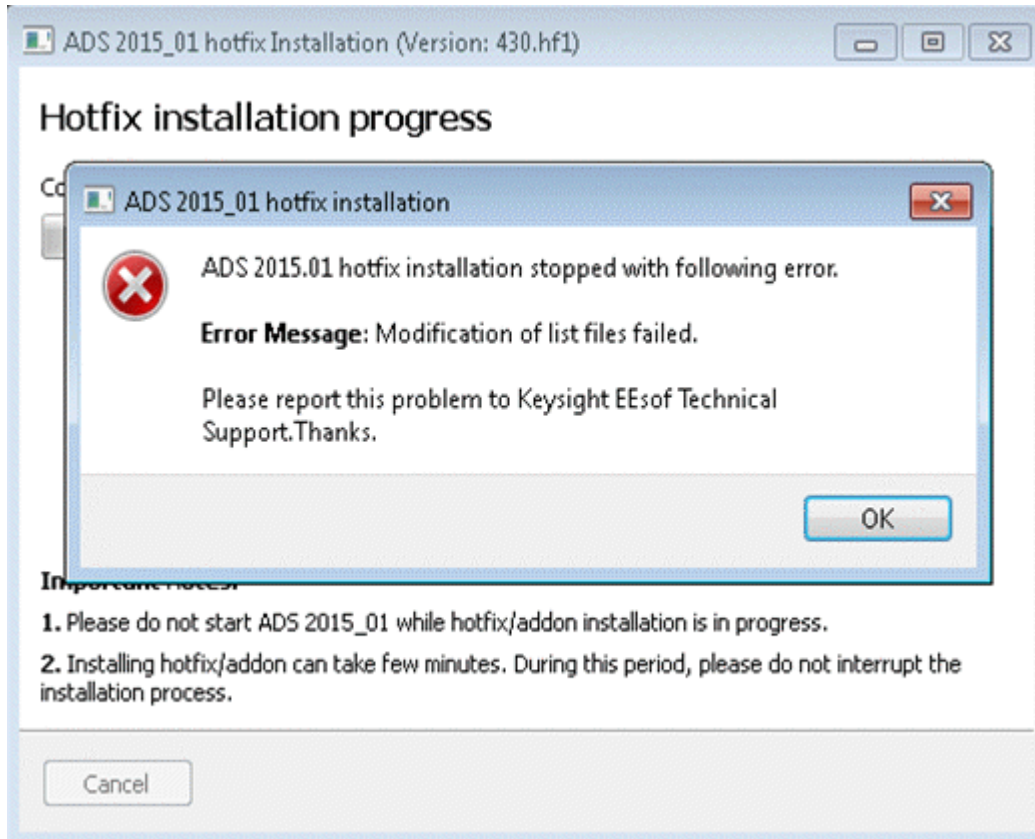3. You will be prompted to confirm the hotfix removal. Press "y" at the prompt.

Hotfix removal will start and various messages will be displayed to indicate the progress. At the end of successful un-installation, a message "*hotfix un-installed successfully*" will be displayed.

> **NOTE**
>
> Do *not* cancel the hotfix removal process while it is in progress. This can make the installation directory unusable.

Known Issues and Workarounds

Problem: ADS2015.01 Hot fix installation fails with the error message shown in below screenshot

Platforms on which this error can be seen: Mostly on Windows.

Reason for the error: After un-installing ADS2015.01, ADS installation directory still exists with some directories/files in it. If ADS2015.01 is re-installed with the same installation directory name as it existed before un-installation, these old directories/files still remain and they interfere with the hotfix installation causing above error.

Quick Workaround:

Using this workaround, hotfix can be installed successfully and ADS will be usable as before. But in future, if this hotfix is removed, then ADS will become un-usable.

1. Click "ok" on above error message and exit the installer.

2. Using explorer, please go inside <***ADS installation directory***>*/tools/lib/blackbox*

3. Delete the directory ***"prj_lists".***

4. Install the hotfix and hotfix will be installed successfully.

Detailed solution:

1. Click "ok" on above error message and exit the installer.

2. Un-install existing ADS2015.01 from the start menu.

3. After Un-installation, using Windows explorer, delete the previous ADS installation directory completely.

4. Re-install ADS2015.01.

5. Install the hot fix and hot fix will be installed successfully. Above workaround/solution should help in resolving this issue.

Above workaround/solution should help in resolving this issue.
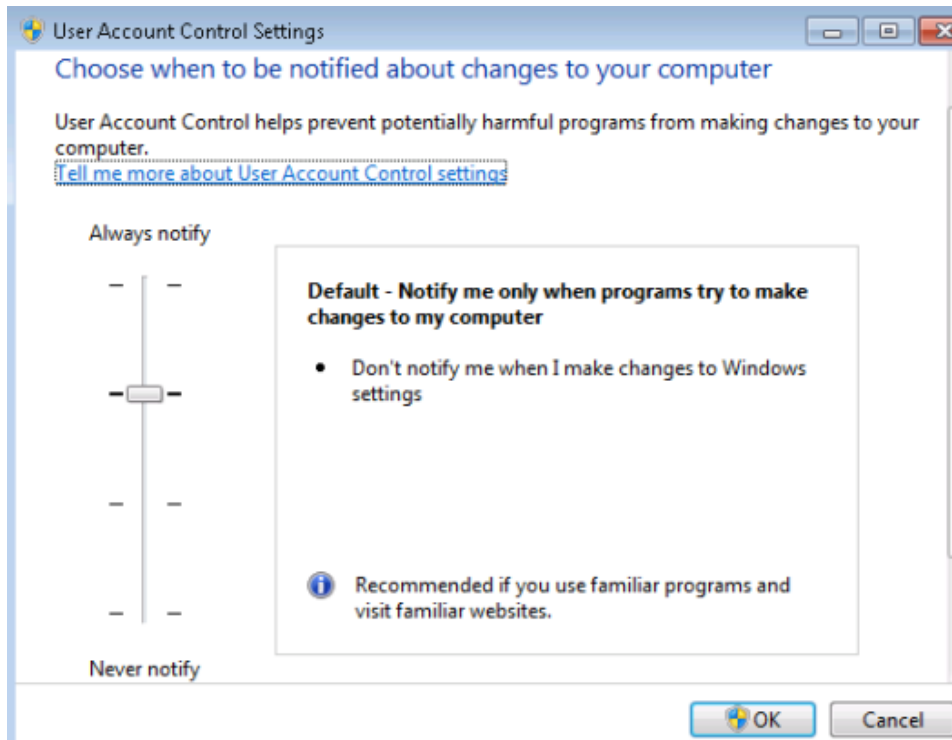
> **NOTE**   In case of Vista/Windows7 because of permission issue UAC problem, hot fix installation won't able to back up the old file while installation. Un-check/minimize the UAC before installation will solve the problem.

Problem: Hot fix installed in Admin/Non-Admin Mode with UAC Enabled – *ADS fails to invoke in Non-Admin Mode*

Quick Workaround:

To un-check/minimize (in case of win7) user account setting:

1. Go to Control Panel\All Control Panel Items\User Accounts and click **Change User Account Control Setting**. The User Account Control Settings window is displayed.

2. Move the Vertical Slider towards **Never notify** and click **OK**.