Model-Based Design Toolbox

License Installation & Management Manual

An Embedded Target for S32K1xx Family of Processors
Version 3.0.0

Target Based Automatic Code Generation Tools
For MATLAB™/Simulink™/Stateflow™ Models working with Simulink Coder ™ and Embedded Coder®

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1 Installation

License generation and installation is an important part of your first steps in getting up and running with the NXP's Model-Based Design Toolbox. Please follow the steps below to obtain a license and install it correctly on your machine. If you encounter issues getting a license, submit a ticket at http://www.nxp.com/support/sales-and-support:SUPPORTHOME describing the issue.

If you have already installed NXP's Model-Based Design Toolbox and would like a license, please perform the following steps.

NOTE Guiding screenshots below have been taken for a release candidate of NXP's Model-Based Design supporting S32K1xx processor family since the final version was not yet published on the website at the time when this document was created.

However, the entire license registration and installation process for toolbox revision 3.0.0 will be identical with the one presented below.

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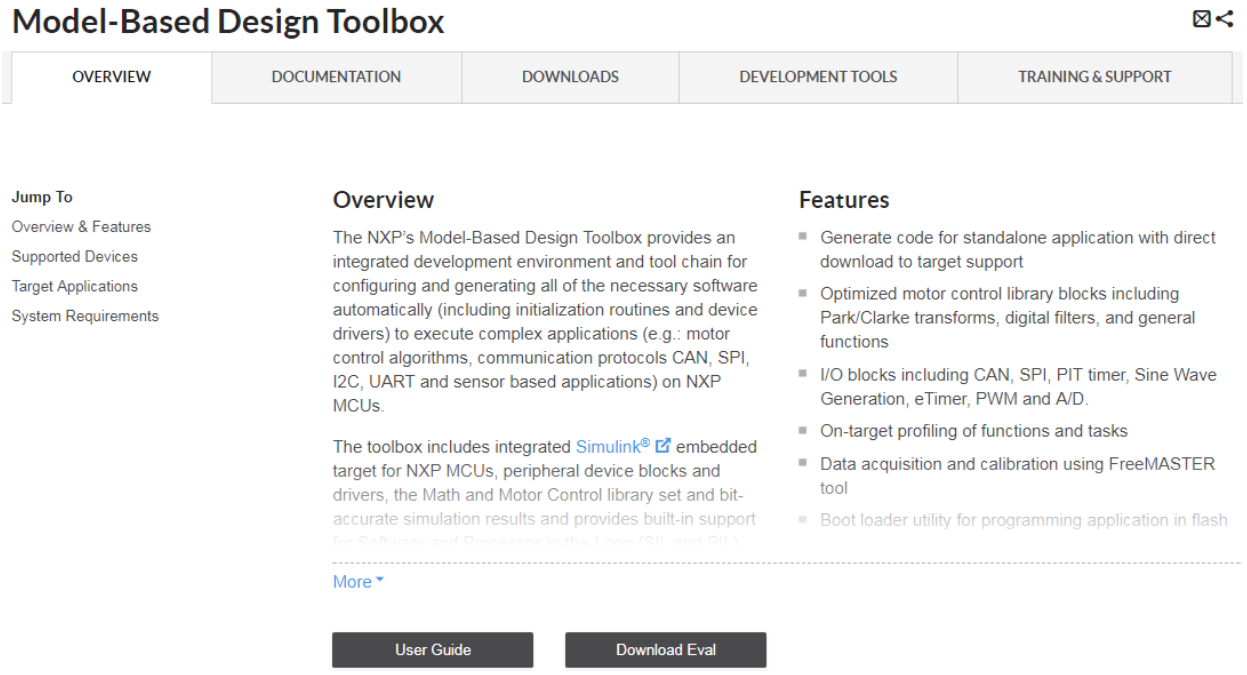
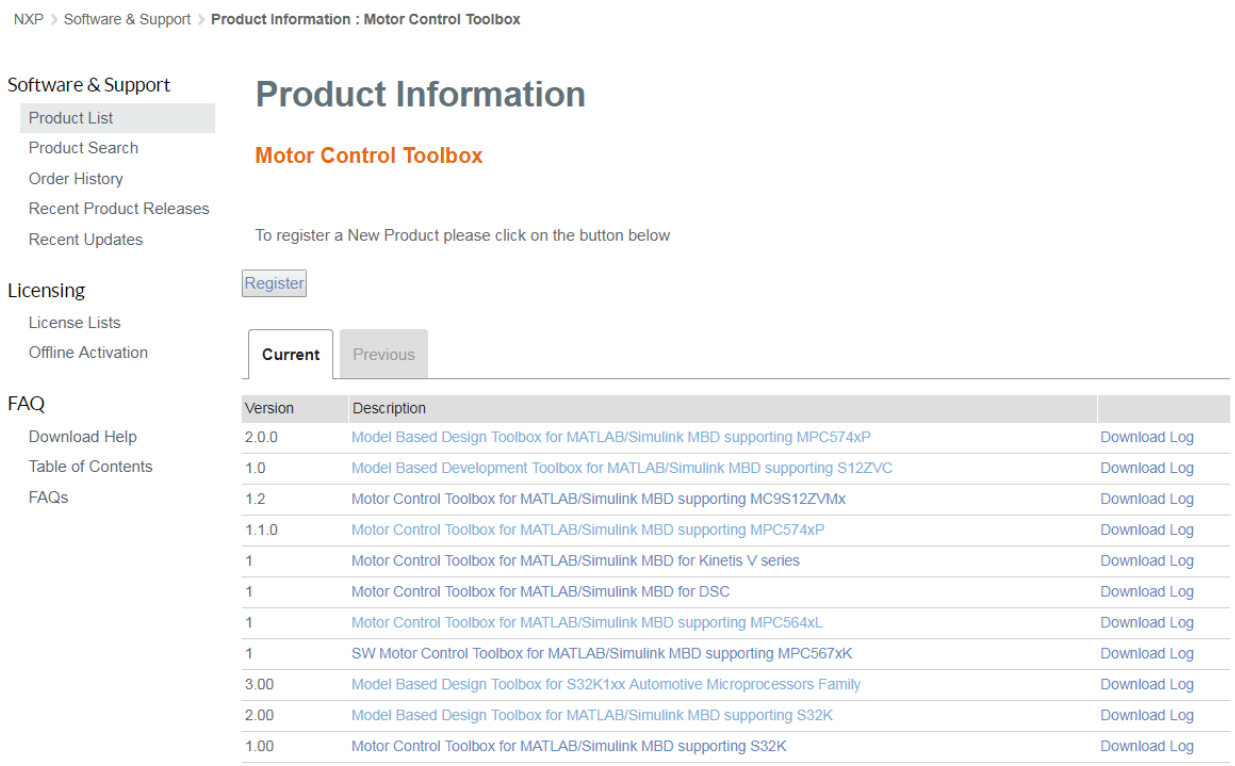
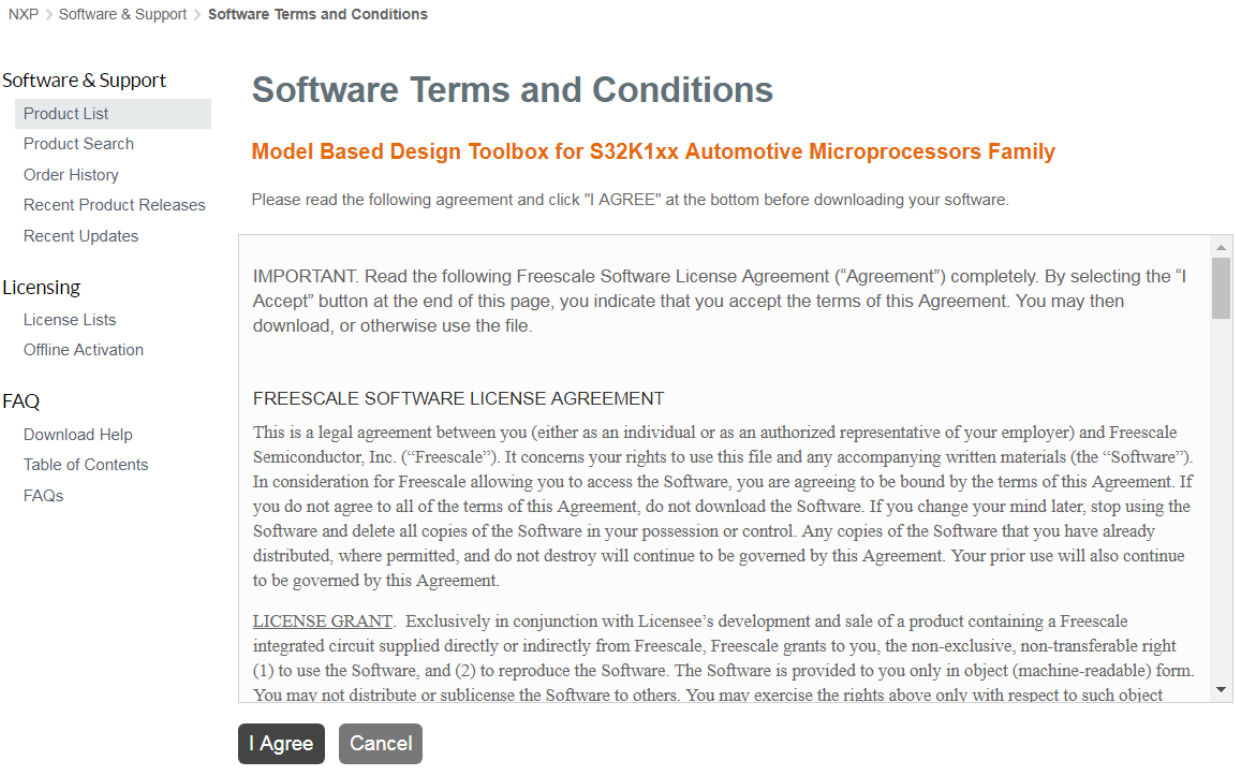
1. Go to www.nxp.com/mctoolbox



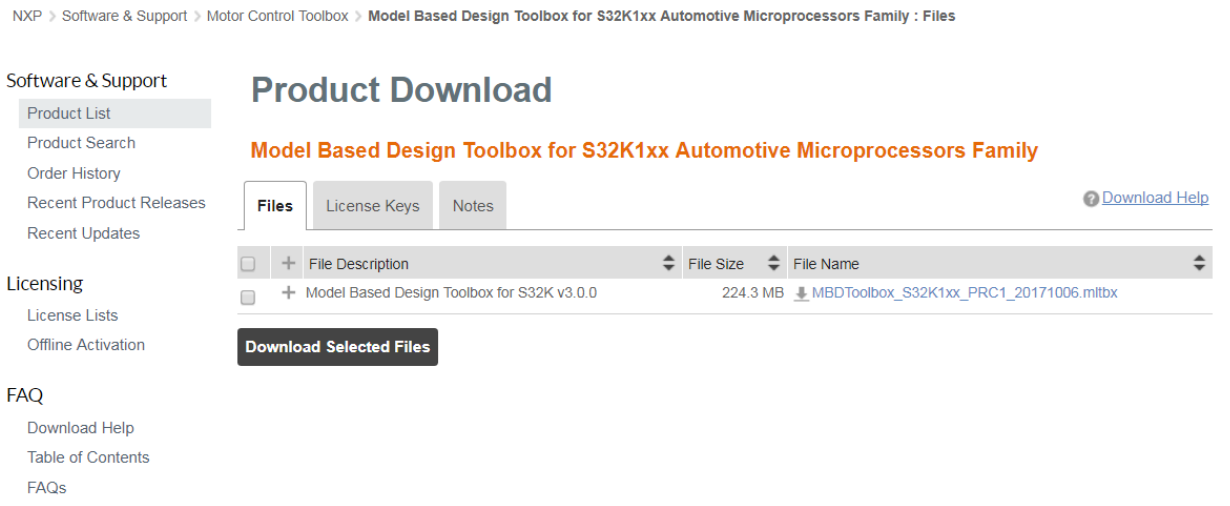
2. Click on "`Download Eval`"
3. Login. If not registered yet, click register.



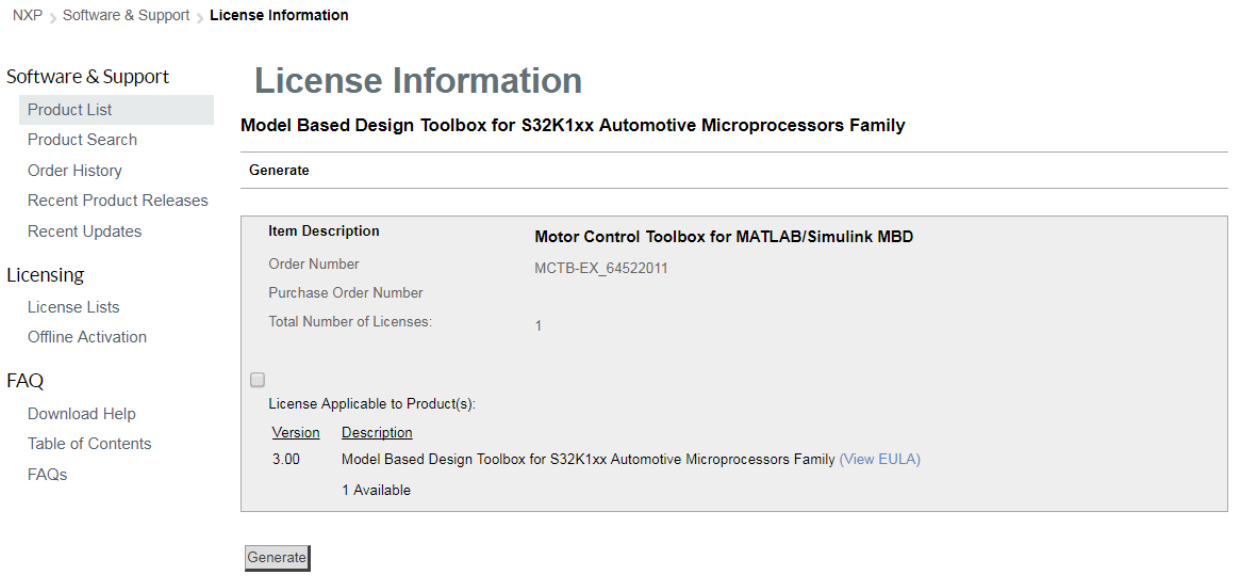
4. Product Information page appears, click on "`Model Based Design Toolbox for S32K1xx Automotive Microprocessor Family`".



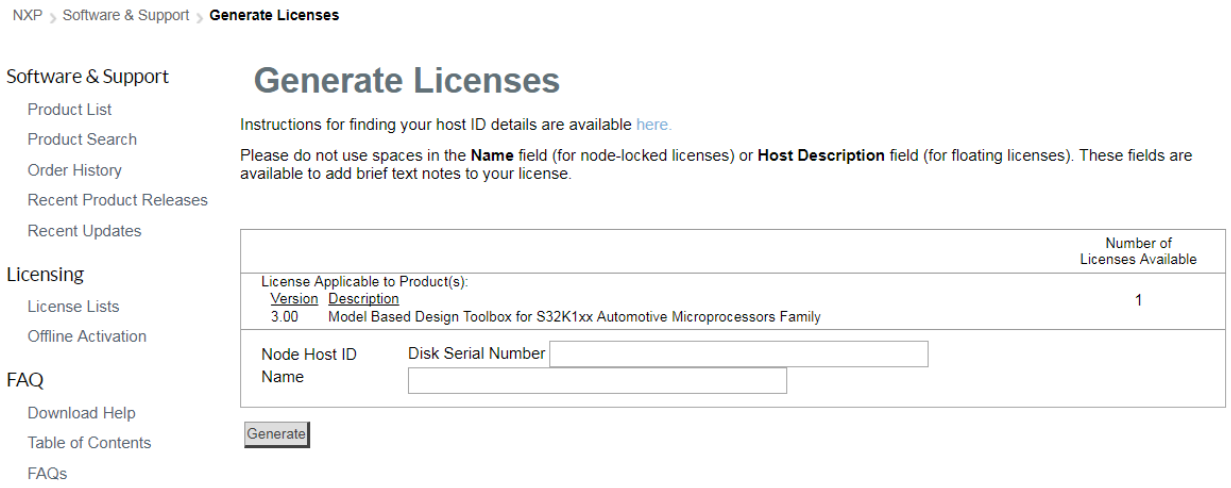
5. Click "`I Agree`" to consent to the software license agreement.



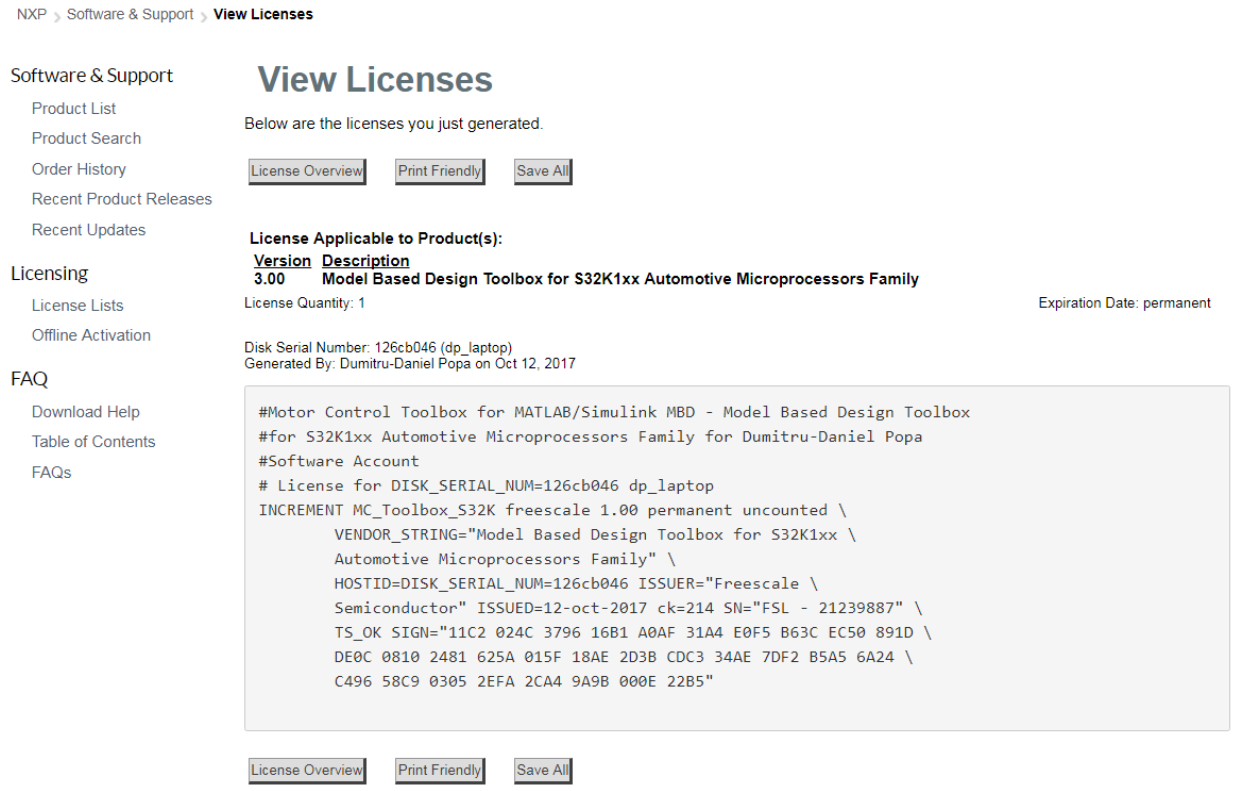
6. If you need to download the tool, click on the linked file name. Otherwise, click on "`License Keys`" tab.



7. Verify the correct tool is identified, check the box and click on “Generate”.



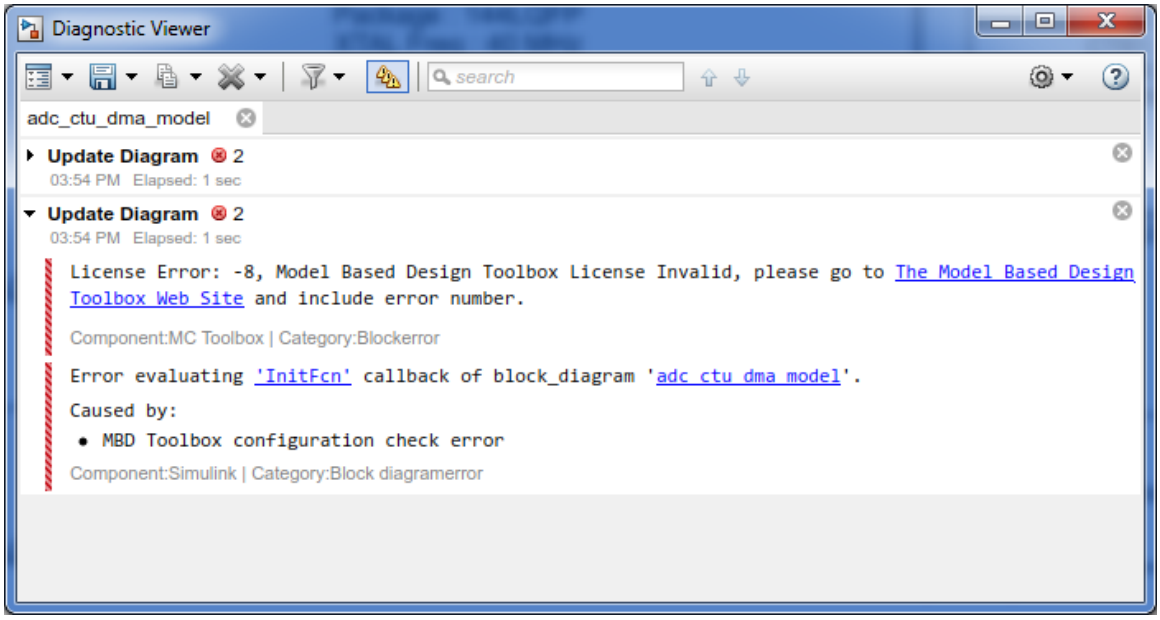
8. Enter your Disk Serial Number as the “`Node Host ID`”. If you do not know your Disk Serial Number, go to Locating the Host ID to learn how to locate your Disk Serial Number, which is needed to generate your license.
9. Enter a name for your license. (Optional)
10. Click “`Generate`”



11. Either click on “`Save All`” or copy and paste the file into a text editor, and save the file as “`license.lic`” to the “`Toolbox installed dir\lic`” folder.
12. Your installation of the license is now complete.

2 License Repair

If you get an error while using NXP's Model-Based Design Toolbox indicating a problem with the license, you can try to repair the license at www.nxp.com/mctoolbox.



1. Go to www.nxp.com/mctoolbox and login.
2. Select "`Software Licensing and Support`" to bring up a listing of your purchased licenses
3. Select the one for which you are experiencing the issue.
4. Select the "`License Keys`" tab.
5. Now you have a choice. If the error was due to incorrect `Host ID`, click on the "`Return`" button. If the error was due to a corrupted license file, click the "`View`" button.
    a. If you clicked "`Return`", then you will have the opportunity to re-register the license for a new `Host ID`.
    b. If you clicked "`View`" then you will have the opportunity to re-save the license file to your PC.

If this fails to resolve your issue, see License Failure.

3 License Failure

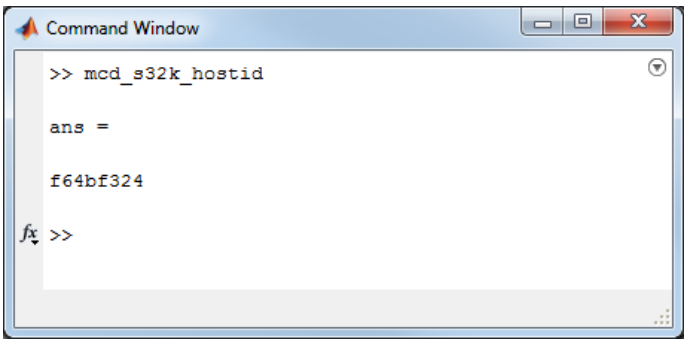
If you followed the steps under License Repair, and this did not solve your issue, then there is some other problem occurring. Should this happen, submit a ticket at http://www.nxp.com/support/sales-and-support:SUPPORTHOME and provide the `Host ID` and any license error code that is provided in the error window.

4 Locating the Host ID

If the `Disk ID` is used for the `Host ID` in the Model Based Design Toolbox software license, there are some different ways to obtain this:

A. From MATLAB Command

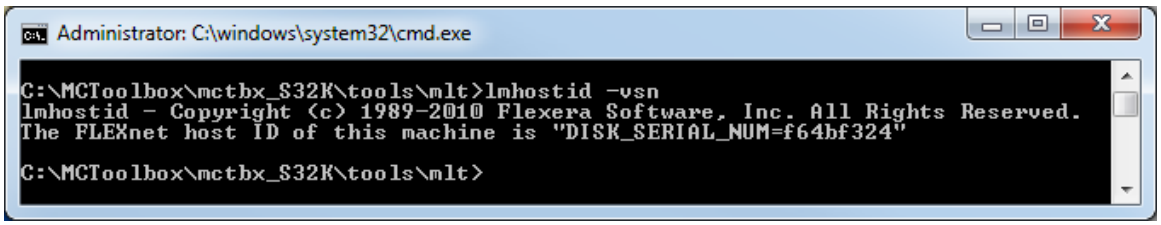
1. Open Matlab
2. In Command Window, enter "`mbd_s32k_hostid`".
3. The `Host ID` is the code returned.



In this example, `Host ID` is: `f64bf324` (not case sensitive)

B. From DOS Command

1. Open CMD Prompt at `{Model Based Design Toolbox installation folder}\mbdtbx_S32K\tools\mlt`
2. In CMD Prompt window, enter "`lmhostid -vsn`"
3. `Host ID` is the value that follows `DISK_SERIAL_NUM`



In this example, Host ID is: `f64bf324` (not case sensitive)

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