

Borrowing a VS Product License from a FlexNet Network Server

If your company has a VS product (CarSim, TruckSim, BikeSim, or SuspensionSim) with a FlexNet network license, you can borrow a license for use without a network connection, such as when using a laptop at a remote location.

You will use a utility command-line program `lmborrow.exe`, located in the Programs folder of your VS product. The following instructions are for CarSim, but also apply for the other VS products.

Find the Programs Folder

You will need to know where your Programs folder is. If you don't know, you can find it from the VS Browser (e.g., `carsim.exe`). With the browser active:

1. Go to the **Help** menu and choose the last item, **About CarSim**. A window appears (Figure 1) with version information and two hyperlinks: one to the **Working Directory** (1), and one to the **Program Directory** (2).

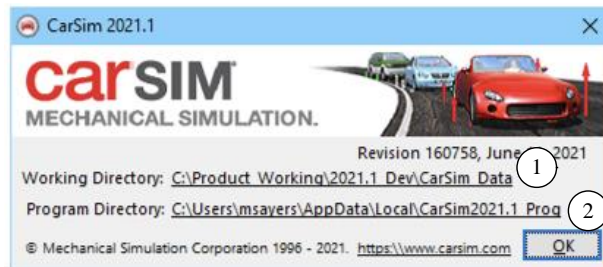


Figure 1. About screen has hyperlinks for the working directory and program directory.

2. Click the **Program Directory** hyperlink (2). This will bring up a window from the Windows File Explorer showing the contents this Directory (1) (Figure 2). The directory includes the VS Browser app (3) and a folder named Programs (2).
3. Close the **About CarSim** window, and then close CarSim; the VS Browser should not be running when you borrow licenses.
4. In the Program Directory window (Figure 2), double-click the Programs folder (2) to show its contents (Figure 3). One of the files in the Programs folder is `lmborrow.exe` (2), which you will use via a command line to borrow licenses. You will need the pathname to this folder; click in the pathname field and copy the contents to the Windows clipboard. You are now ready to use the `lmborrow` utility.

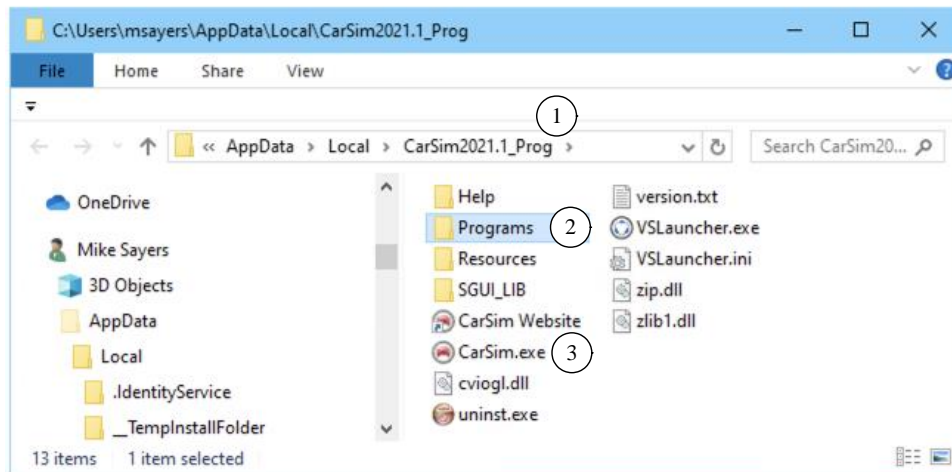


Figure 2. Program Directory viewed with Windows File Explorer.

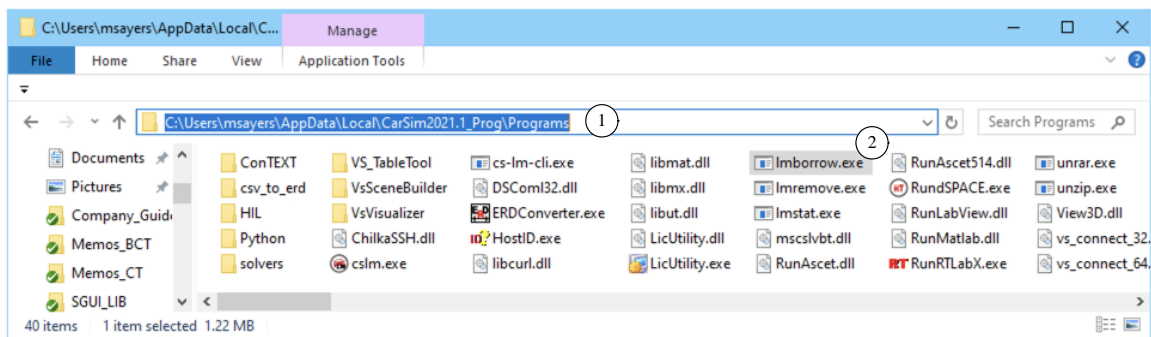


Figure 3. Programs folder that contains the Imborrow.exe file.

Use the Imborrow Utility in a Command Window

You need to bring up a Windows Command Prompt window. One way to do this is to click in the windows icon in the lower-left corner of the screen (1) (Figure 4) to pop up a window to access applications. Type `cmd`. As soon as you type, a field appears at the bottom of the window (2). By the time you get to the third letter, the Best Match will show Command Prompt (3). Hit Return to launch the Command Prompt window (Figure 5, shown after four commands were made).

From the Command window:

1. Set the current folder to the Program directory that contains the `lmborrow` utility (e.g., (1), Figure 3). For the examples shown, this was done in two steps:
 - a. Type the target drive ID if it is not shown (`c :` in the example) (1) (Figure 5).
 - b. Type `cd` followed by the full pathname of the Program directory (2) (available from the clipboard copy made from the field (1) in Figure 3).
2. Get options for `lmborrow` with the command:


```
lmborrow -help (3)
```

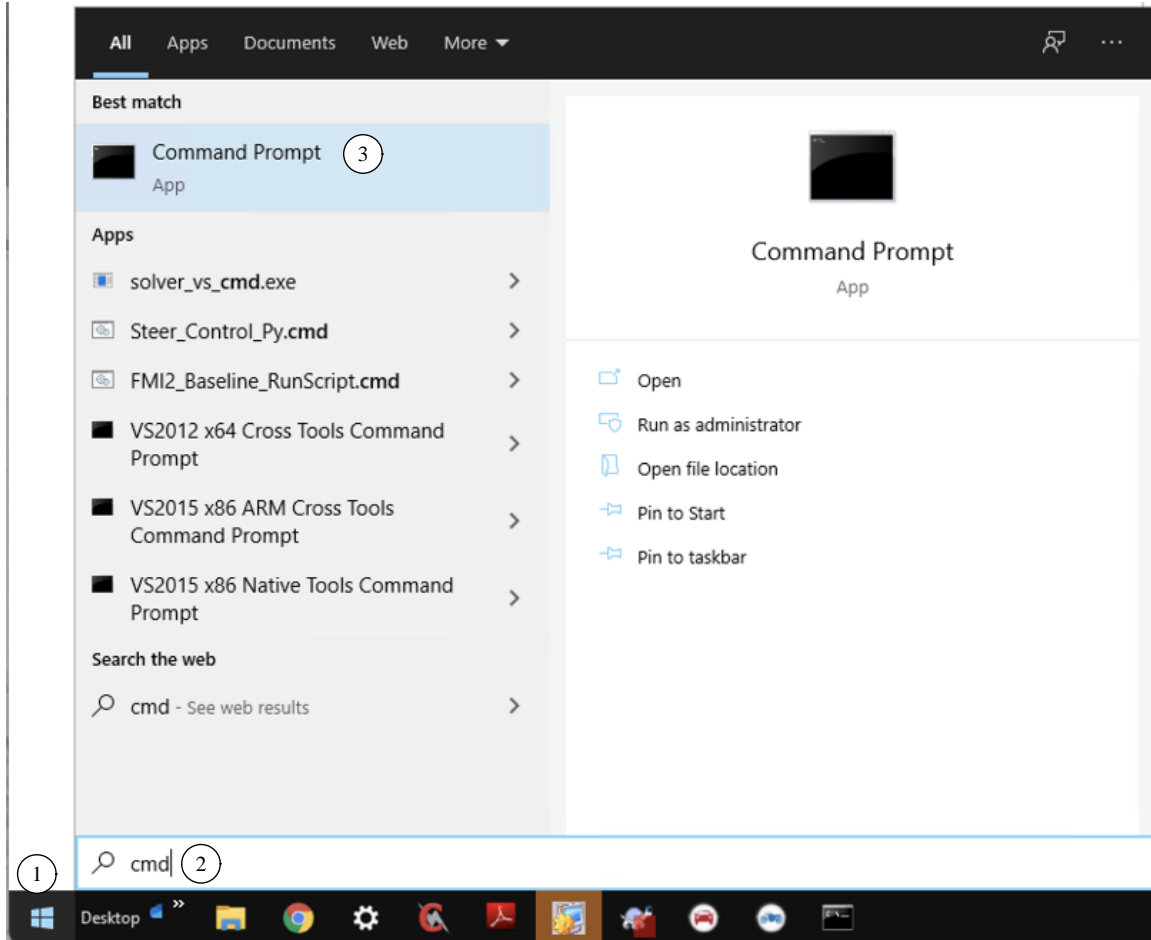


Figure 4. Launching a Windows Command Prompt window.

```

C:\Users\msayers\AppData\Local\CarSim2021.1_Prog\Programs>
Microsoft Windows [Version 10.0.18362.356]
(c) 2019 Microsoft Corporation. All rights reserved.

U:\>c: 1

C:\>cd C:\Users\msayers\AppData\Local\CarSim2021.1_Prog\Programs 2

C:\Users\msayers\AppData\Local\CarSim2021.1_Prog\Programs>lmborrow -help 3
lmborrow - Copyright (c) 1989-2013 Flexera Software LLC. All Rights Reserved.

Usage: lmborrow {all|vendorname} dd-mmm-yyyy [hh:mm] (To borrow)
lmborrow -status (Report features borrowed to this node)
lmborrow -purge (Remove expired features)
lmborrow -purge -status (Remove expired features and Report non-expired features)
lmborrow -clear (Changed your mind -- do not borrow)
lmborrow -return [-c licfile] [-d display_name] [-fqdn] [-vendor name] feature
(Return feature early)
lmborrow -help (Display usage information)

C:\Users\msayers\AppData\Local\CarSim2021.1_Prog\Programs>lmborrow MSCLIC 16-jun-2021 14:32 4
lmborrow - Copyright (c) 1989-2013 Flexera Software LLC. All Rights Reserved.
Setting LM_BORROW=15-jun-2021:MSCLIC:16-jun-2021:14:32

C:\Users\msayers\AppData\Local\CarSim2021.1_Prog\Programs>

```

Figure 5. The Command Prompt window (after four commands)

- To borrow a license, enter a command with the form:

```
lmborrow MSCLIC dd-mmm-yyyy [hh:mm]
```

where *dd-mmm-yyyy [hh:mm]* is the date and time you want the borrowed license to expire. The time portion is optional.

For example,

```
lmborrow MSCLIC 16-jun-2021 14:32 ④
```

borrow licenses until June 16, 2021, at 2:32 pm (14:32 in 24-hour time notation). This example was performed June 15, 2021, so the license would be borrowed for 1 day.

If the command succeeds, you will see a message indicating that `LM_BORROW` was set to a value including the current date, the desired date, and the `MSCLIC` key.

Do not close this window yet.

- Start CarSim again. Before going to the database screens, it will show the **License Settings** window (Figure 6). Choose the features you wish to enable ①, then click the button **Select** ③, which closes the window.

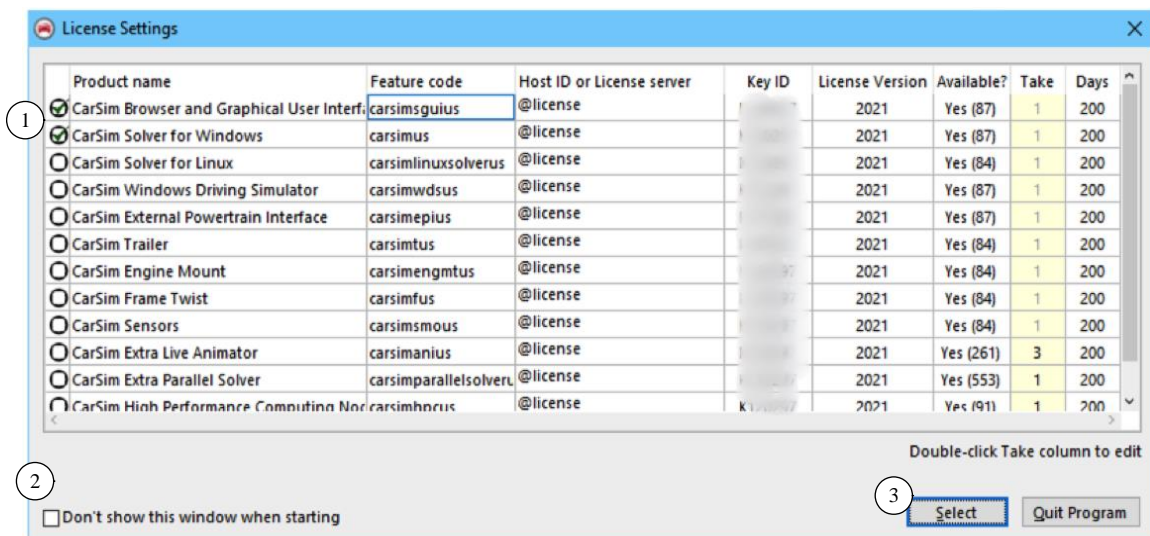


Figure 6. Choose license features.

Note License Settings window will appear whenever you launch CarSim while using a borrowed license, regardless of the status of the checkbox **Don't show this window when starting** ②.

- You can check that the licenses were successfully borrowed by typing the command: `lmborrow -status` into the Command Prompt window ⑤ (Figure 7). The status shows the two license features ⑥ selected in the **License Settings** screen (Figure 6).

You should now be able to run CarSim without a network connection.

```
C:\Users\msayers\AppData\Local\CarSim2021.1_Prog\Programs>lmborrow MSCLIC 16-jun-2021 14:32
lmborrow - Copyright (c) 1989-2013 Flexera Software LLC. All Rights Reserved.
Setting LM_BORROW=15-jun-2021:MSCLIC:16-jun-2021:14:32

C:\Users\msayers\AppData\Local\CarSim2021.1_Prog\Programs>lmborrow -status
lmborrow - Copyright (c) 1989-2013 Flexera Software LLC. All Rights Reserved.
Vendor      Feature      Expiration
-----
MSCLIC      carsimsguius 16-Jun-21 14:34
MSCLIC      carsimus     16-Jun-21 14:34

C:\Users\msayers\AppData\Local\CarSim2021.1_Prog\Programs>
```

Figure 7. Check status of borrow license request.

Return a License Early

If you wish to return the license for a feature early, open the command window and browse to the same directory location. Then type the command:

```
lmborrow -c @server -return feature
```

where *server* is the name of your license server and *feature* is the name of the license feature. For example, the two features identified in Figure 7 are returned with the two commands shown in Figure 8.

```
C:\Users\msayers\AppData\Local\CarSim2021.1_Prog\Programs>lmborrow -return -c @licenses carsimus
lmborrow - Copyright (c) 1989-2013 Flexera Software LLC. All Rights Reserved.
Feature "carsimus" returned successfully.

C:\Users\msayers\AppData\Local\CarSim2021.1_Prog\Programs>lmborrow -return -c @licenses carsimsguius
lmborrow - Copyright (c) 1989-2013 Flexera Software LLC. All Rights Reserved.
Feature "carsimsguius" returned successfully.

C:\Users\msayers\AppData\Local\CarSim2021.1_Prog\Programs>_
```

Figure 8. Return license features early.