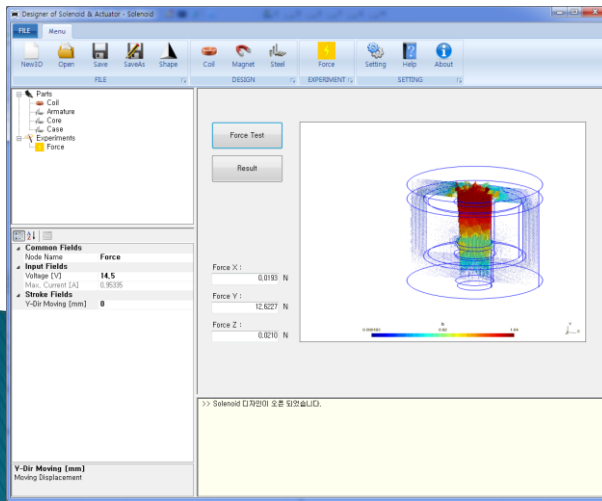


DoSA-Open_3D Install Guide



2022-03-06
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PC Recommended Specifications

- CPU : 4 Core and above
- RAM : 16GB and above



ONELAB Installation

➤ ONELAB download

- <http://onelab.info/>
- Download the ONELAB archive file at the bottom of the page.

Getting started

1. Download the ONELAB software bundle:

- Desktop version for [Windows 64-bit](#), [Windows 32-bit](#), [Linux 64-bit](#), [Linux 32-bit](#) and [MacOS](#)
- Mobile version for [Android](#) and [iOS](#)
- [Source code](#)

➤ ONELAB Installation

- Unzip the archive and copy it to a location of your choice.

Download the DoSA

➤ Download the DoSA-Open_3D Installation file

- <https://OpenActuator.org> → OpenCAE → DoSA-Open 3D Link

Project Name	DoSA-Open_3D (Designer of Solenoids & Actuators)
Project Leader	GiTae Kweon (zgitaeg@gmail.com)
GitHub	https://github.com/OpenActuator/DoSA-Open_3D
Bulletin Board	https://solenoid.or.kr/gtzero1/gt_zboard.php?id=dosa_open_eng
Donation	DoSA-Open Project Donation
File Download	<div>- DoSA-Open_3D Installation File : DoSA-Open_3D_Setup_ver(0.9.10.0).zip - Installation Guide : Install_Guide_ENG.pdf - Solenoid Example File : Solenoid_Sample_ENG.zip - VCM Example File : VCM_Sample_ENG.zip</div>
Introduction	3D open source actuator simulation software that can predict the performance of actuators in a similar working environment to the development of actuators

- Download the DoSA-Open_3D_Setup_ver(x.x.x.x).zip and Unzip it.

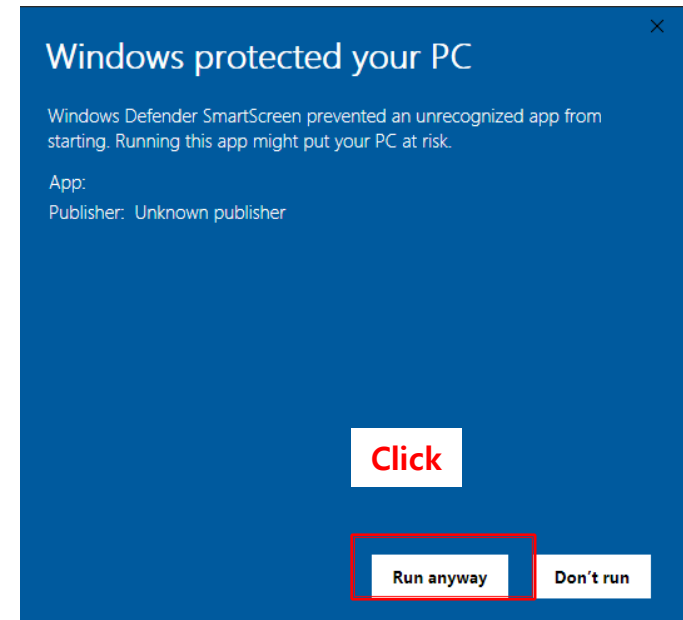
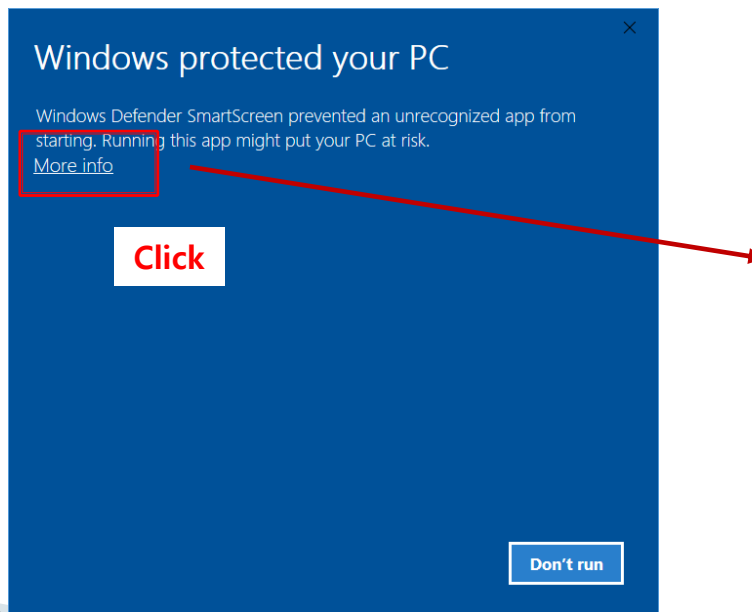
Install the DoSA

➤ Install the DoSA-Open_3D

- Start to install the DoSA-Open_3D_Setup_ver(x.x.x.x).exe.

➤ Problem of “windows protected your pc”

- Windows 10 has a protect function of a install file that don't have a digital signature. This screen appears because DoSA-Open is not included due to the cost of digital signature.



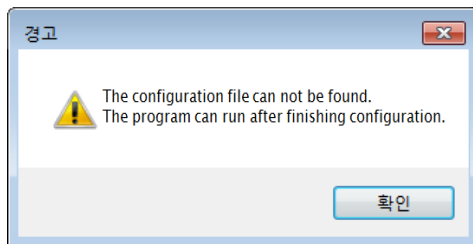
Run the DoSA

➤ First Run

- Run DoSA-Open_3D icon on desktop
- Proceeds differently depending on the notification window

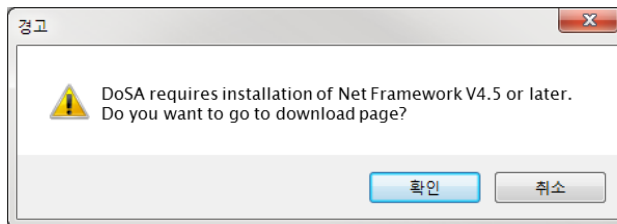


Case 1



Go to next page

Case 2

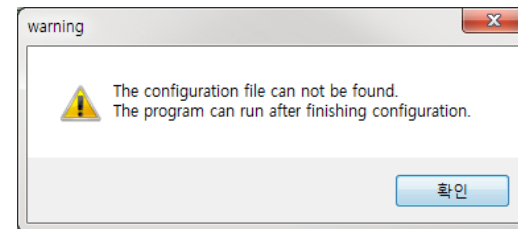


Framework Version issues
Go to Last page
Of Net Framework Installation

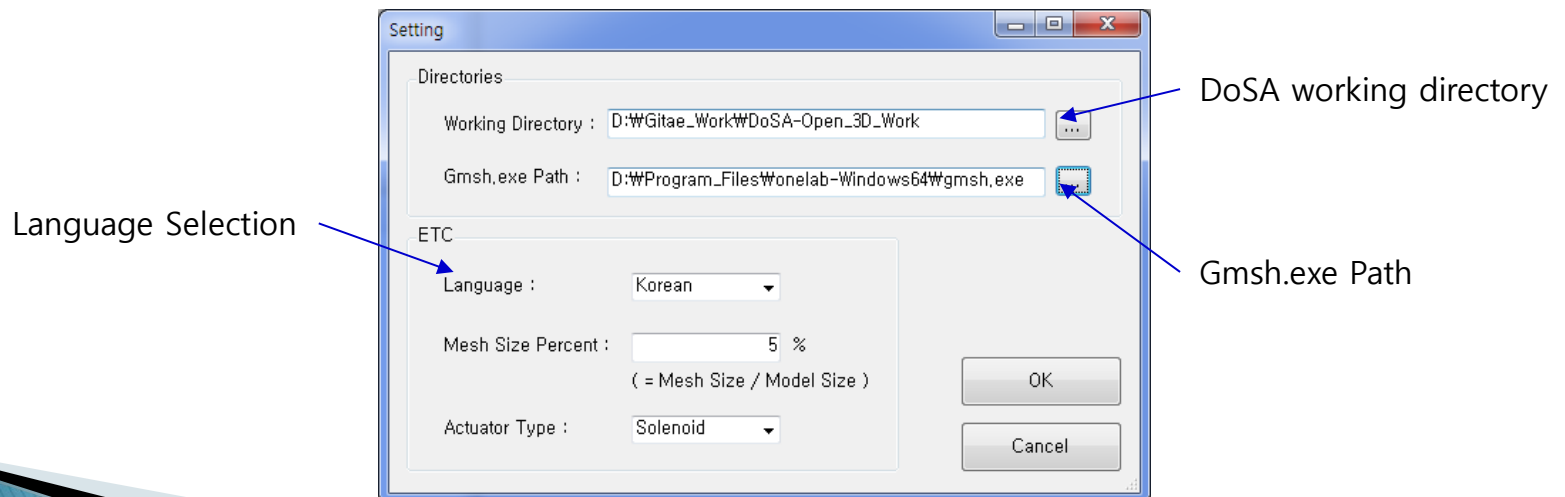
DoSA Settings

➤ Program Setting

- In case of the first execution, the warning window on the right side appears.
- First, Create a DoSA working directory in the appropriate location.
- When you close the warning window, the following configuration window appears.



- In the Setting window, select the working directory and the Gmsh.exe path.



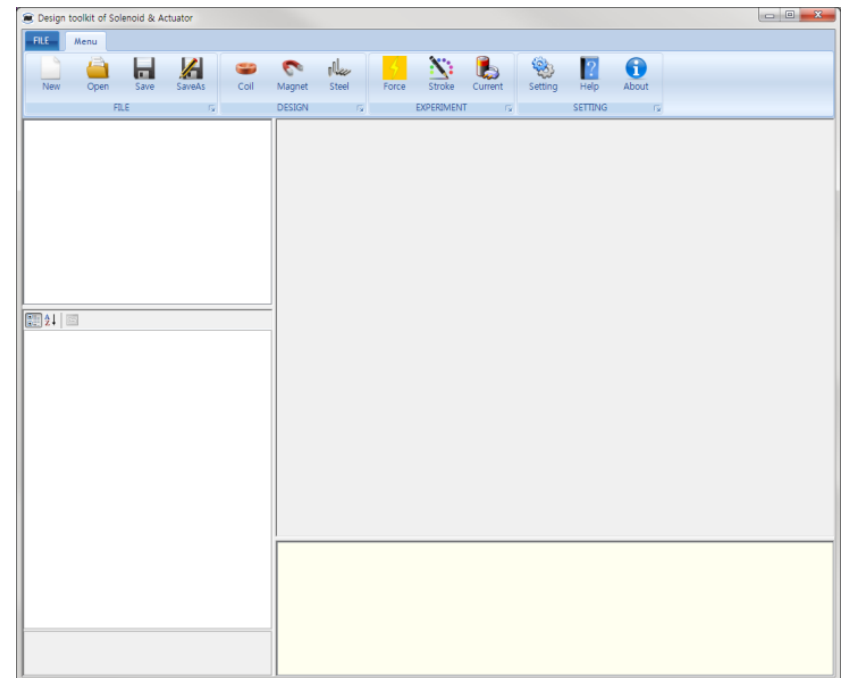
Finish installation

➤ DoSA-Open 3D installation complete

- When the following window appears after setting up, installation is complete.

➤ Install upgrades

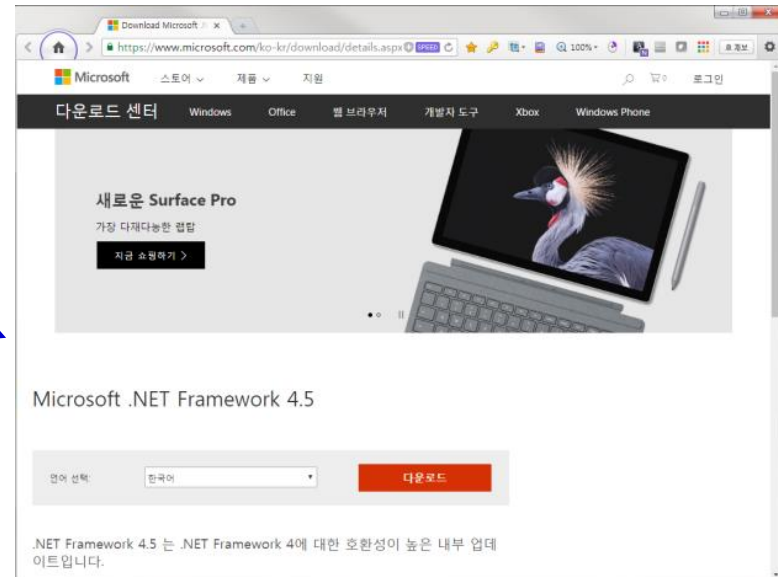
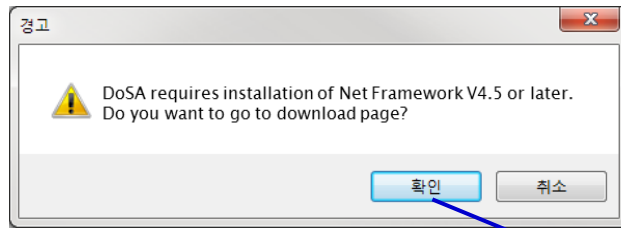
- No need to install ONELAB
- No configuration work required
- Just need to install DoSA-Open 3D



[Ref.] Net Framework installation

➤ Net Framework Install

- If Net Framework is not installed in the system, the alert window(shown below) appears.
- If you click Okay button, the download page of Net Framework 4.5 will appear.



➤ Net Framework Installation

- After download, install Net Framework.
- After installing Framework, reinstall the DoSA-Open 3D again.

Thank You

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Homepage : <http://openactuator.org>

