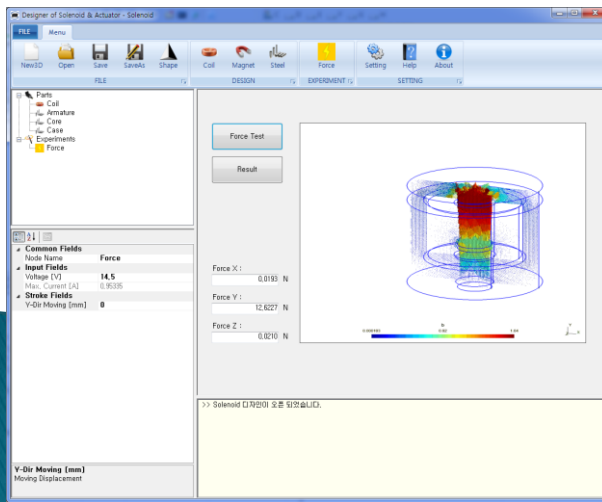


# DoSA-3D Install Guide



2022-03-06  
zgitae@gmail.com

# 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-3D Installation file

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

Project Name	DoSA-Open_3D (Designer of Solenoids & Actuators)
Project Leader	GiTae Kweon ( <a href="mailto:zgitaeg@gmail.com">zgitaeg@gmail.com</a> )
GitHub	<a href="https://github.com/OpenActuator/DoSA-Open_3D">https://github.com/OpenActuator/DoSA-Open_3D</a>
Bulletin Board	<a href="https://solenoid.or.kr/gtzero1/gt_zboard.php?id=dosa_open_eng">https://solenoid.or.kr/gtzero1/gt_zboard.php?id=dosa_open_eng</a>
Donation	<a href="#">DoSA-Open Project Donation</a>
File Download	<div>- DoSA-Open_3D Installation File : <a href="#">DoSA-Open_3D_Setup_ver(0.9.10.0).zip</a> - Installation Guide : <a href="#">Install_Guide_ENG.pdf</a> - Solenoid Example File : <a href="#">Solenoid_Sample_ENG.zip</a> - VCM Example File : <a href="#">VCM_Sample_ENG.zip</a></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-3D\_Setup\_ver(x.x.x.x).zip and Unzip it.

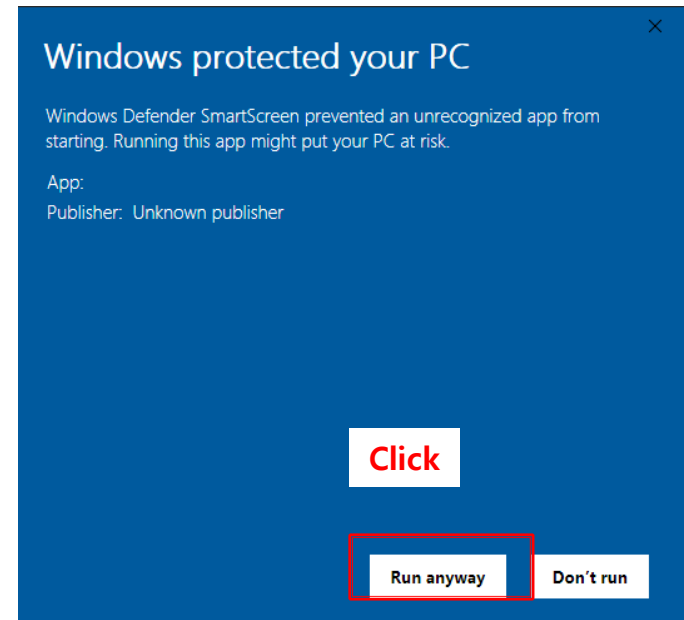
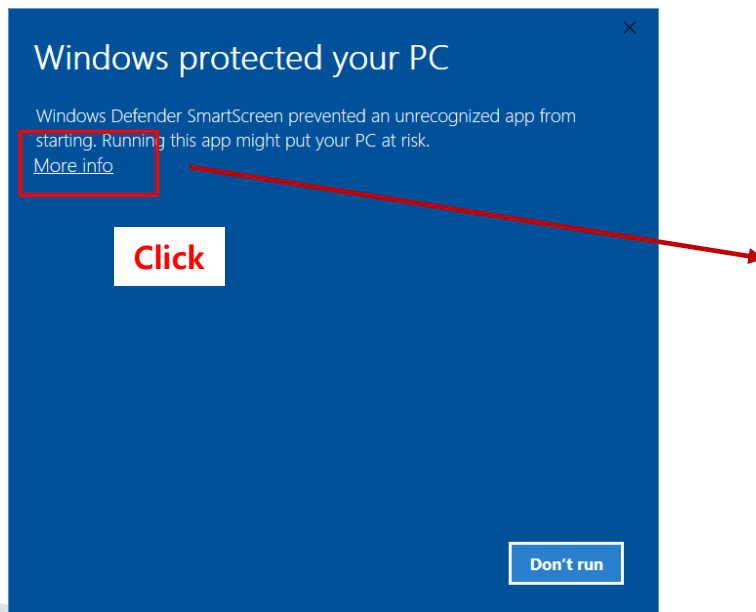
# Install the DoSA

## ➤ Install the DoSA-3D

- Start to install the DoSA-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 is not included due to the cost of digital signature.



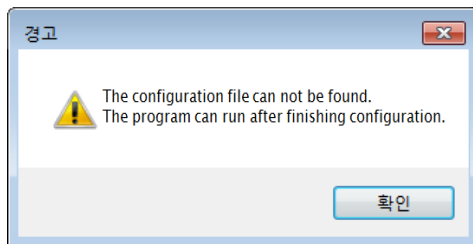
# Run the DoSA

## ➤ First Run

- Run DoSA-3D icon on desktop
- Proceeds differently depending on the notification window

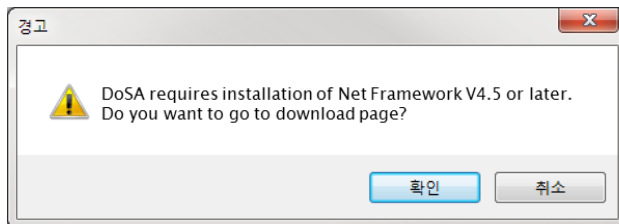


Case 1



**Go to next page**

Case 2

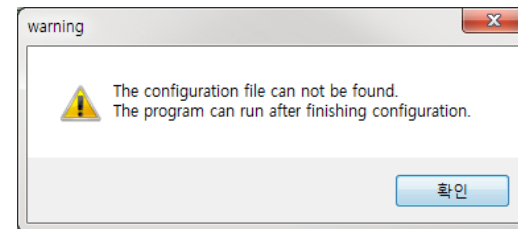


**Framework Version issues**  
**Go to Last page**  
**Of Net Framework Installation**

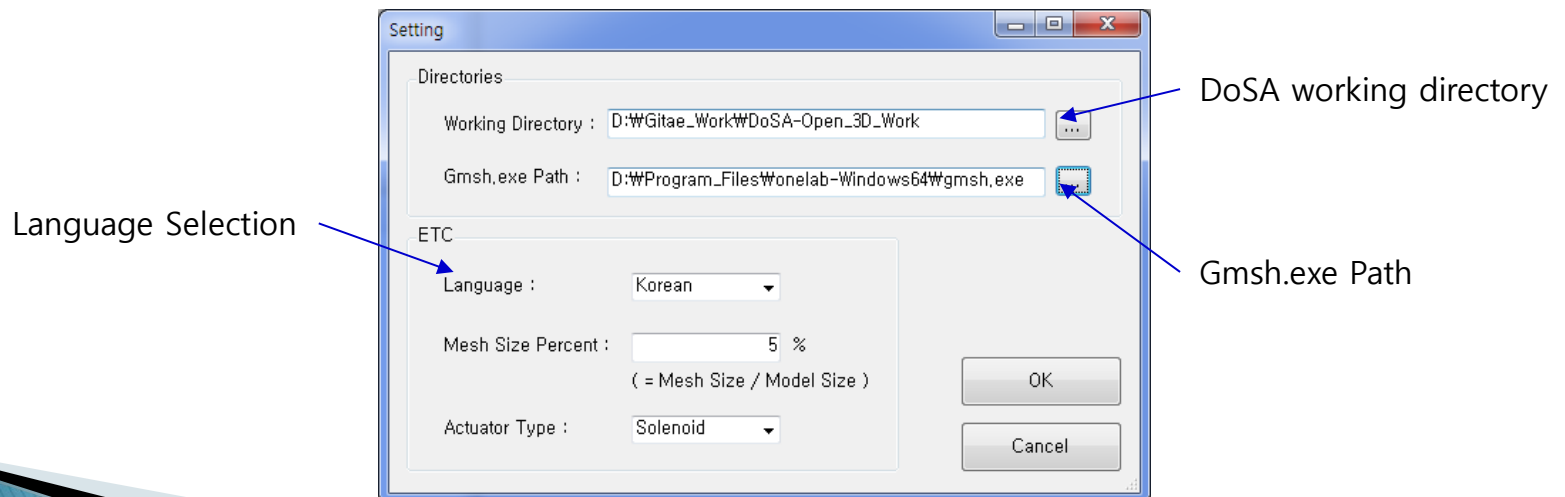
# DoSA Settings

## ➤ 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.



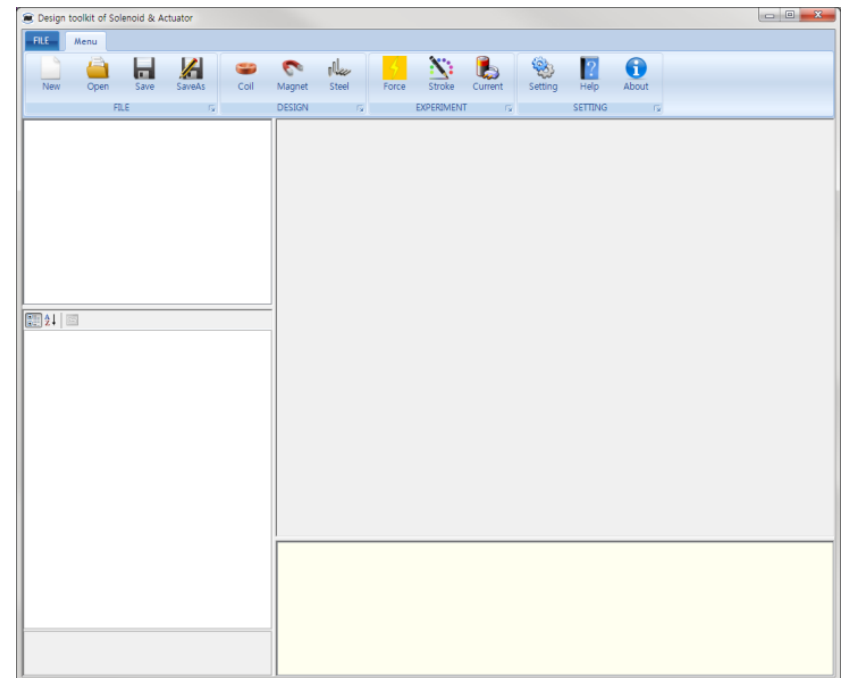
# Finish installation

## ➤ DoSA-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-3D

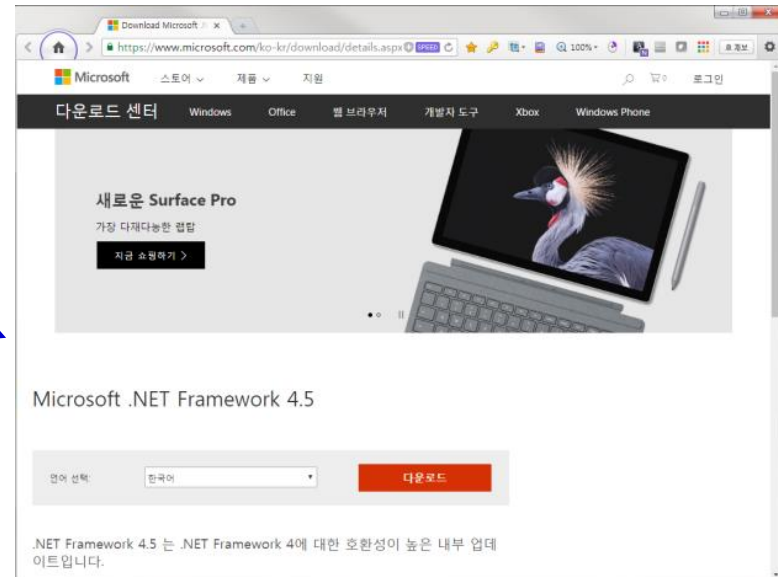
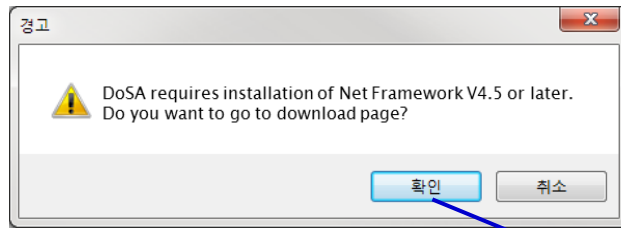




# [ Ref. ] Net Framework installation

## ➤ 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-3D again.

# Thank You

Email : [zgitae@gmail.com](mailto:zgitae@gmail.com)

Homepage : <http://openactuator.org>

