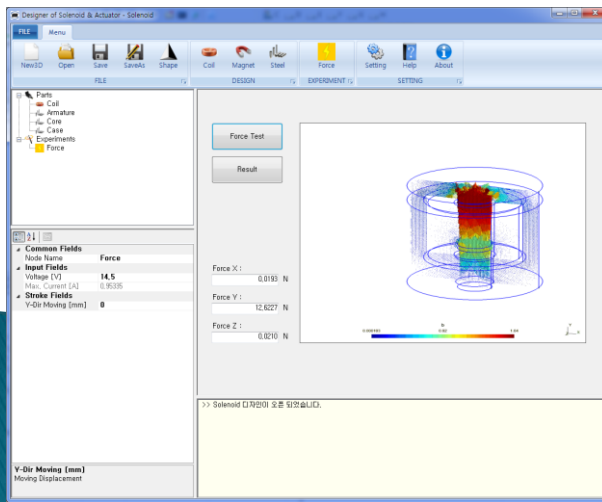


# DoSA-Open\_3D Install Guide

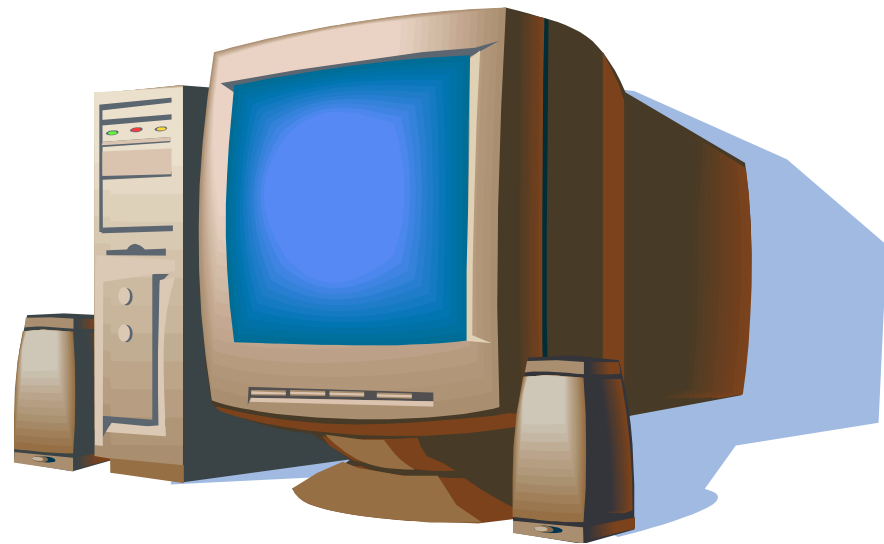


2020-12-02

GiTae Kweon (zgitae@gmail.com)

# PC Requirement

- 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

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### 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

- Unpack the archive and copy it to the desired location.

# Download the DoSA

## ➤ Download DoSA-Open\_3D.exe

- [http://solenoid.or.kr/index\\_dosa\\_open\\_3d\\_eng.html](http://solenoid.or.kr/index_dosa_open_3d_eng.html)

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-Open\_3D\_Setup\_ver(x.x.x.x).zip and Unzip it.

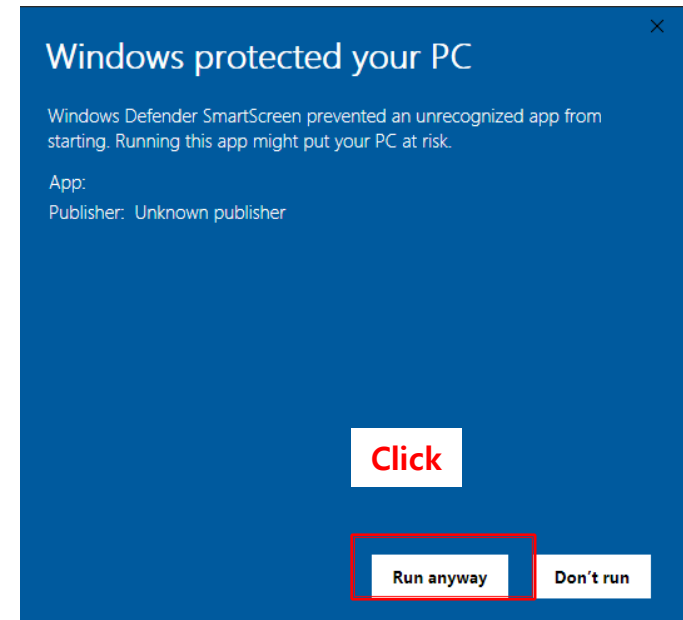
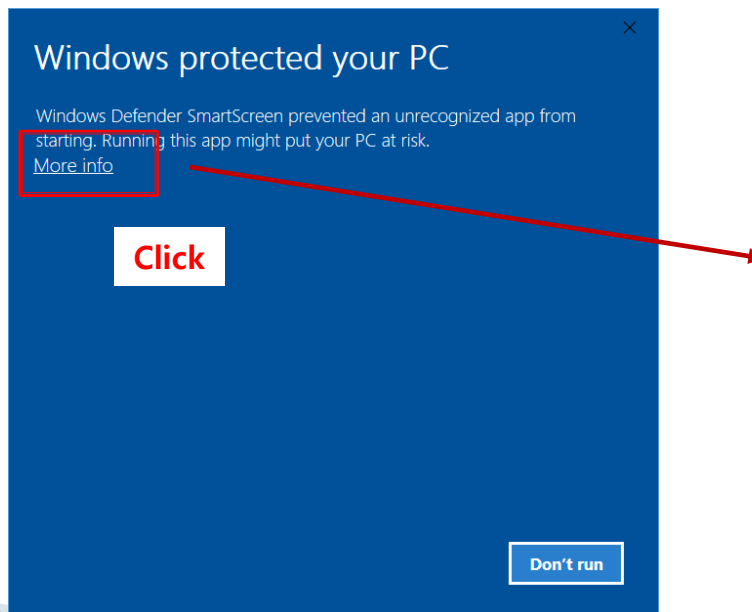
# Install the DoSA

## ➤ Install DoSA-Open\_3D.exe

- 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.

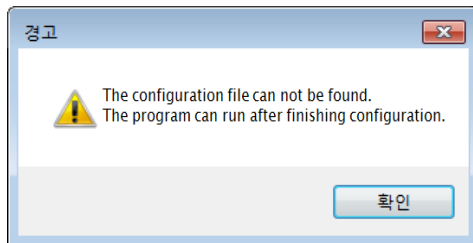


# Run the DoSA

- Handle differently depending on the notification window after running DoSA-Open\_3D

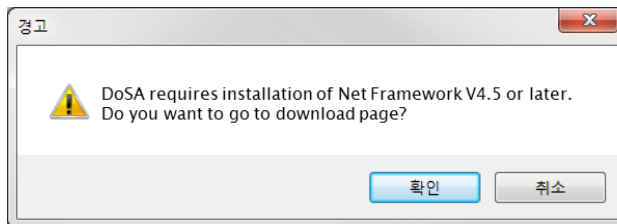


Case.1



**Go to next page**

Case.2

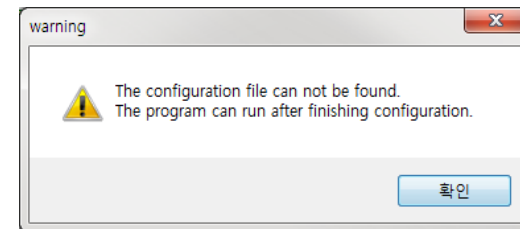


**Framework Version issues**  
**Go to Last page**  
**Of Net Framework Installation**

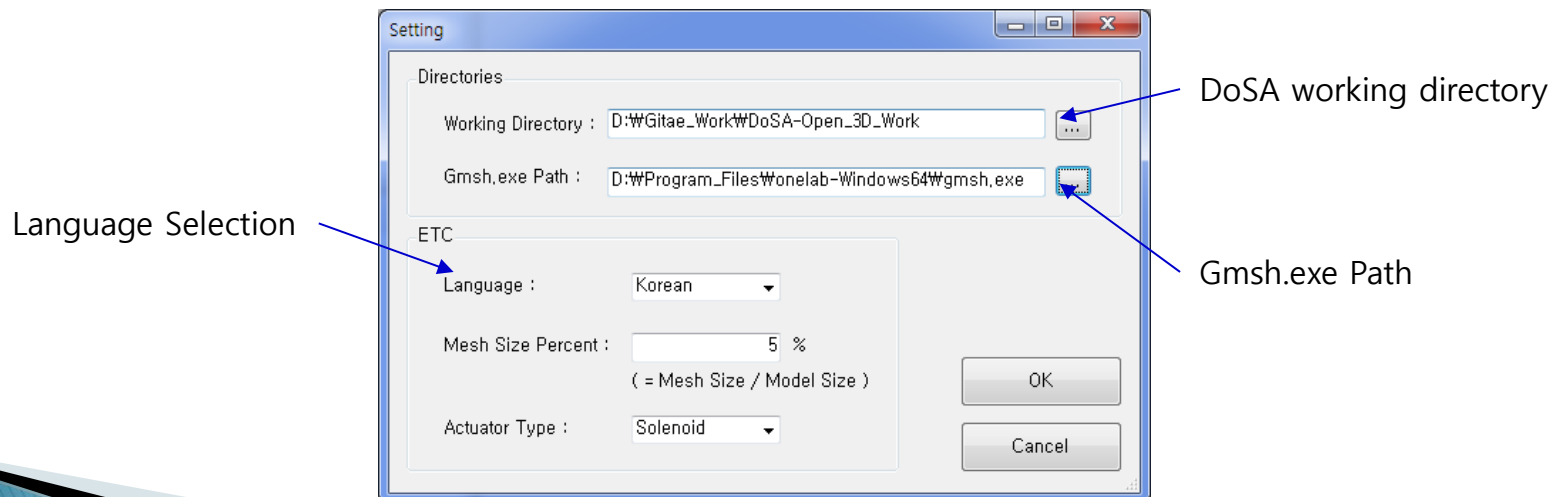
# DoSA Settings

## ➤ 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.

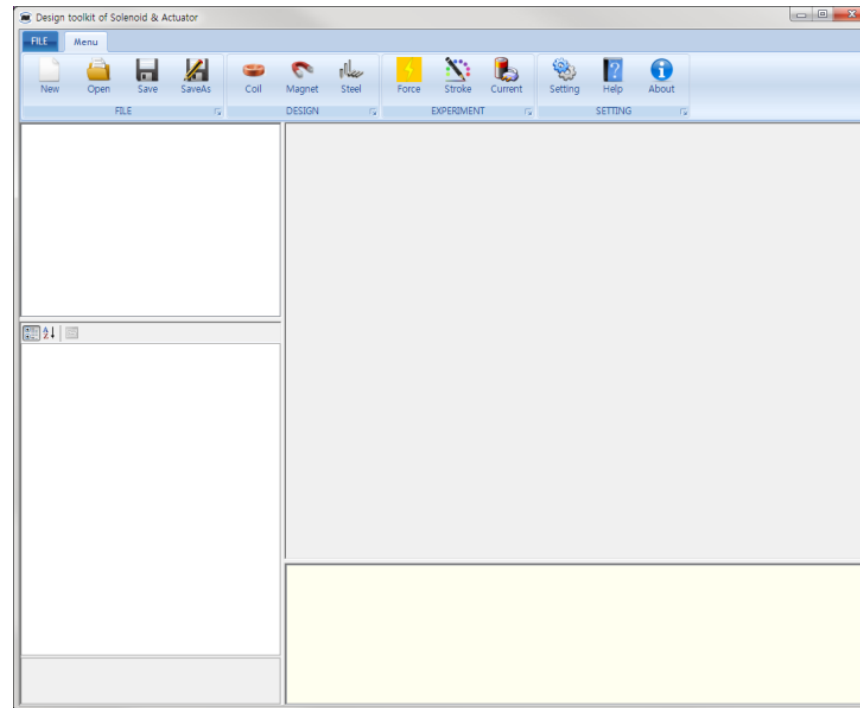


- In the Setting window, select the working directory and the Gmsh.exe path.



# Finish installation

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

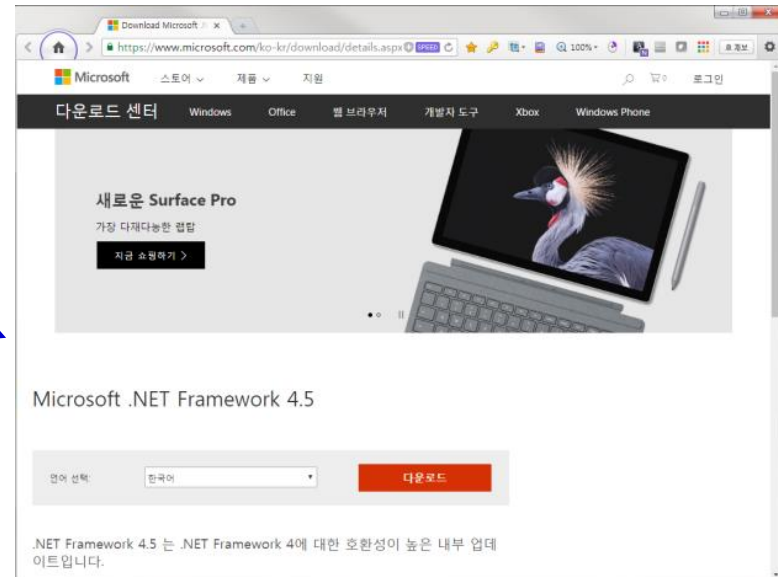
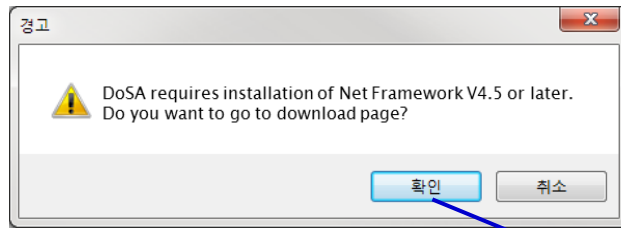




# [ Ref. ] Net Framework installation

## ➤ 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, run DoSA.exe again and continue to install DoSA.

**Thank You**