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# Zybo Z7-20

## 실습용 프로그램 설치 방법

Soc Design Lab. Konkuk Univ.

Webpage: <http://soclab.konkuk.ac.kr>

# 실습용 프로그램

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## ❑ Xilinx Vivado 2017.4

- 자세한 설치 과정은 pp. 3-11에서 설명
- 동작 OS : <https://www.xilinx.com/support/answers/54242.html>
- 지원하는 OS와 다른 버전을 사용하는 경우 실습과정에서 문제가 생길 수 있습니다.

## ❑ Tera term

- 아래 링크에서 최신 릴리즈 설치
- <https://osdn.net/projects/ttssh2/releases/>

# Download installer

## ❑ Download installer from xilinx website

- <https://www.xilinx.com/support/download/index.html/content/xilinx/en/downloadNav/vivado-design-tools/archive.html>
- 아래 표시된 2017.4 Full Product installation에서 Windows용 installer를 download (해당 과정에서 Xilinx 계정이 필요)

### Vivado Design Suite - HLx Editions - 2017.4 Full Product Installation

**Important**

We **strongly recommend** to use the web installers as it reduces download time and saves significant disk space.

Please see **Installer Information** for details.

📄 Vivado HLx 2017.4: WebPACK and Editions - Windows Self Extracting Web Installer (EXE - 51.3 MB)

MD5 SUM Value : 39677d35779915411487e5d89fe27ee8

📄 Vivado HLx 2017.4: WebPACK and Editions - Linux Self Extracting Web Installer (BIN - 100.7 MB)

MD5 SUM Value : 915928e0f33af22f1370acc6ac32c2b5

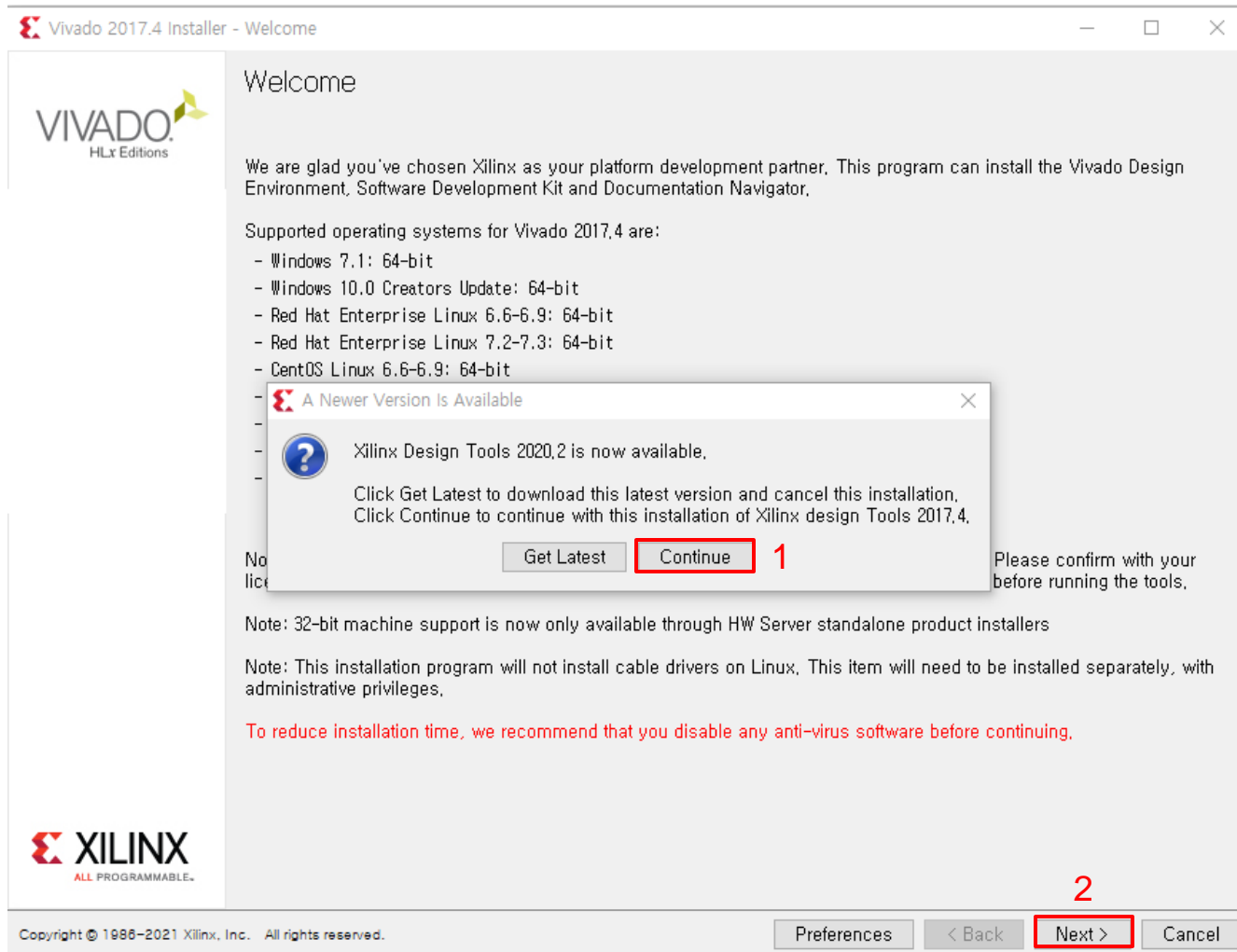
📄 Vivado HLx 2017.4: All OS installer Single-File Download (TAR/GZIP - 16.17 GB)

MD5 SUM Value : 5a1bb63f893f0039e34c9f412dd063a9

Download Includes	Vivado Design Suite HLx Editions (All Editions)
Download Type	Full Product Installation
Last Updated	Dec 20, 2017
Answers	<a href="#">2017.x - Vivado Known Issues</a>
Documentation	<a href="#">2017.4 - Release Notes</a>
Enablement	<a href="#">License Solution Center</a>

# Install Vivado 2017.4

## ❑ Install Vivado



# Install Vivado 2017.4

## ❑ Install Vivado (Cont'd)

Vivado 2017.4 Installer - Select Install Type

Select Install Type

Please select install type and provide your Xilinx.com user ID and password for authentication.

User Authentication

Please provide your Xilinx user account credentials to download the required files.  
If you don't have an account, [please create one](#). If you forgot your password, you can [reset it here](#).

User ID:

Password:

Enter your Xilinx account

☒ Download and Install Now

Select your desired device and tool installation options and the installer will download and install just what is required. Downloaded installation files will be saved for future use. NOTE: Future installs using these downloaded files will be restricted to the options selected during this install. For access to all options later, choose "Download Full Image".

☐ Download Full Image (Install Separately)

The installer will download an image containing all devices and tool options for later installation. Use this option if you wish to install a full image on a network drive or allow different users maximum flexibility when installing.

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# Install Vivado 2017.4

## ❑ Install Vivado (Cont'd)

Vivado 2017.4 Installer - Accept License Agreements

**Accept License Agreements**

Please read the following terms and conditions and indicate that you agree by checking the I Agree checkboxes.

**Xilinx Inc. End User License Agreement**

By checking "I AGREE" below, or OTHERWISE ACCESSING, DOWNLOADING, INSTALLING or USING THE SOFTWARE, YOU AGREE on behalf of licensee to be bound by the agreement, which can be viewed by [clicking here](#).

☒ I Agree

**WebTalk Terms And Conditions**

By checking "I AGREE" below, I also confirm that I have read [Section 13 of the terms and conditions](#) above concerning WebTalk and have been afforded the opportunity to read the WebTalk FAQ posted at <https://www.xilinx.com/products/design-tools/webtalk.html>. I understand that I am able to disable WebTalk later if certain criteria described in Section 13(c) apply. If they don't apply, I can disable WebTalk by uninstalling the Software or using the Software on a machine not connected to the internet. If I fail to satisfy the applicable criteria or if I fail to take the applicable steps to prevent such transmission of information, I agree to allow Xilinx to collect the information described in Section 13(a) for the purposes described in Section 13(b).

☒ I Agree

**Third Party Software End User License Agreement**

By checking "I AGREE" below, or OTHERWISE ACCESSING, DOWNLOADING, INSTALLING or USING THE SOFTWARE, YOU AGREE on behalf of licensee to be bound by the agreement, which can be viewed by [clicking here](#).

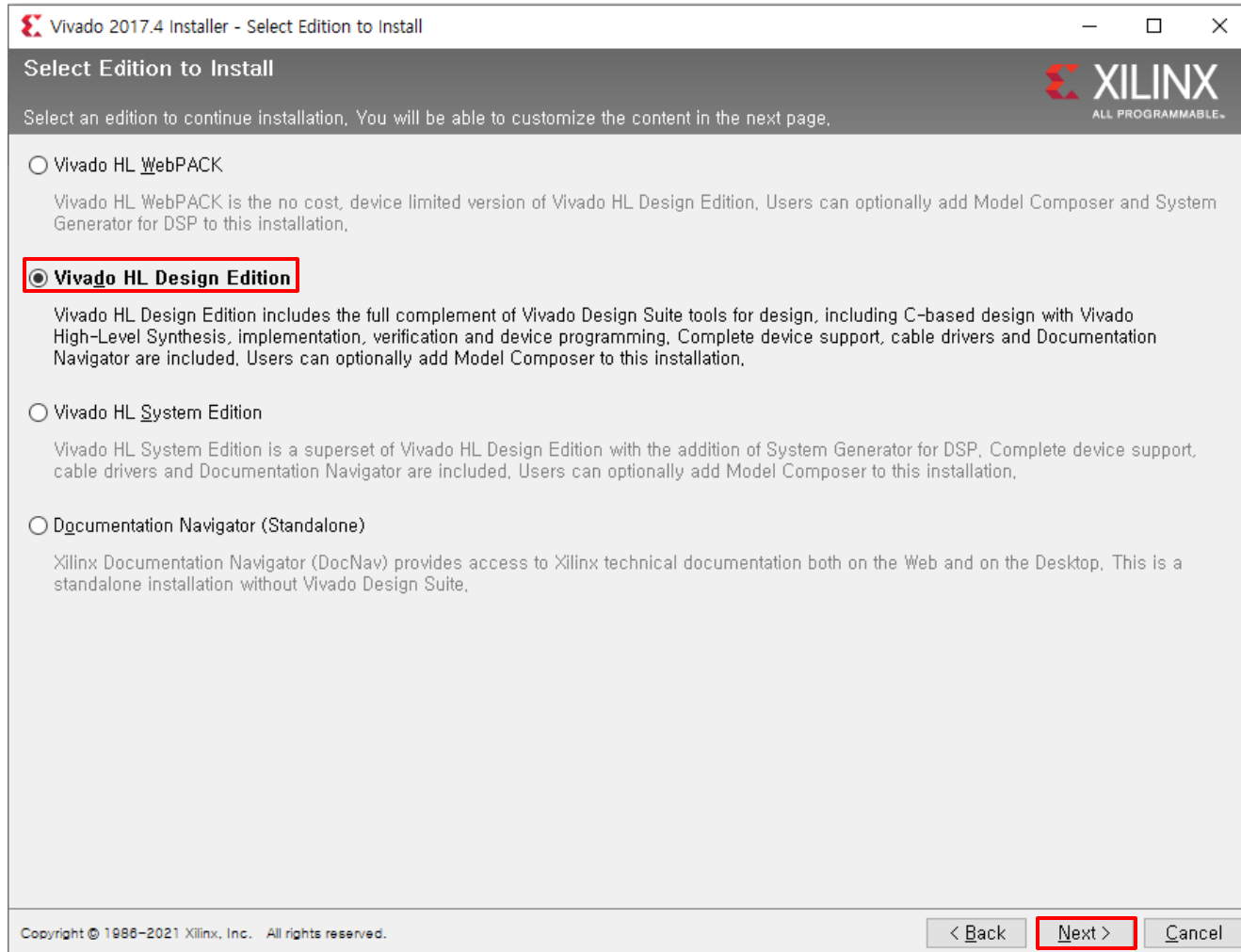
☒ I Agree

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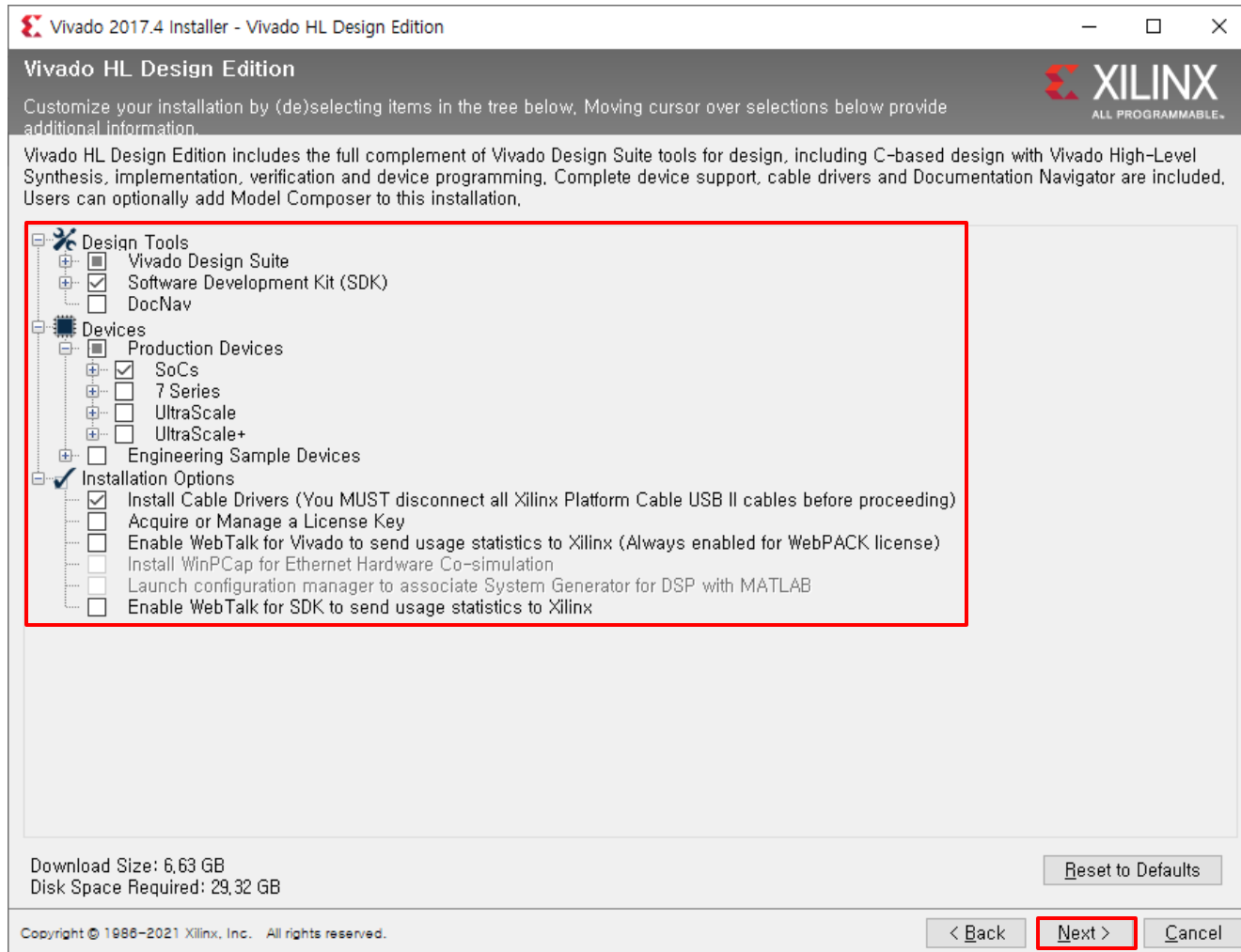
# Install Vivado 2017.4

## ❑ Install Vivado (Cont'd)



# Install Vivado 2017.4

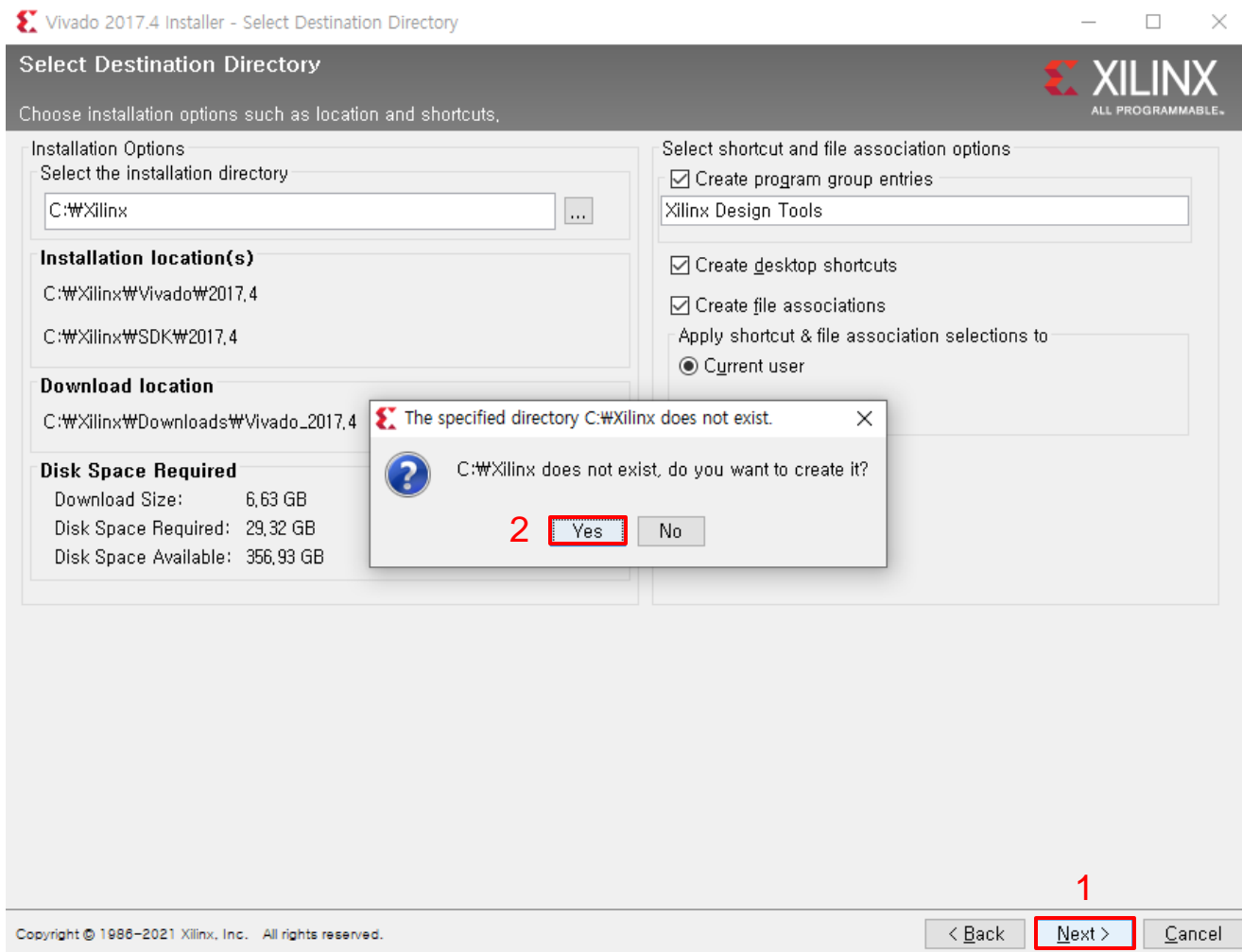
## ❑ Install Vivado (Cont'd)





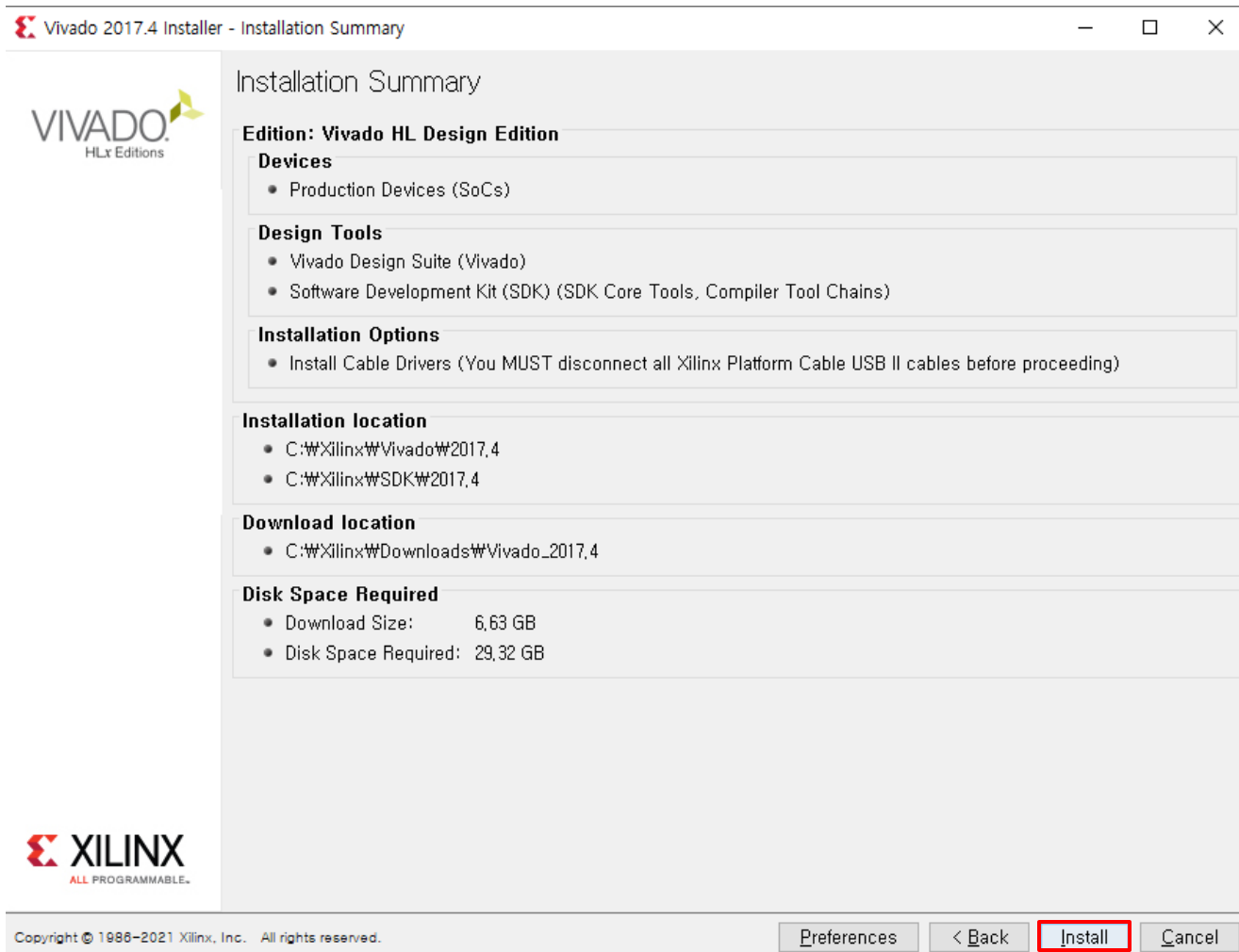
# Install Vivado 2017.4

## ❑ Install Vivado (Cont'd)



# Install Vivado 2017.4

## ❑ Install Vivado (Cont'd)



# Add board files to Vivado

## ❑ Add board files

- Vivado에서 Zybo Z7-20 board를 사용하기 위해서 Vivado가 설치된 폴더에 board file을 추가해서 사용
- Board file은 첨부된 아래 링크된 Zip파일을 Download 받아서 이미지의 경로에 복사
- <https://drive.google.com/file/d/1tMMak5WOBzpn0Jryx8Y4Y9W-37BI0qtY/view?usp=sharing>

<Vivado 설치 후 초기 상태>

내 PC > 로컬 디스크 (C:) > Xilinx > Vivado > 2017.4 > data > boards > board_files			
이름	수정된 날짜	유형	크기
li-imx274-mipi	2021-04-23 오후...	파일 폴더	
xm105	2021-04-23 오후...	파일 폴더	
zc702	2021-04-23 오후...	파일 폴더	
zc706	2021-04-23 오후...	파일 폴더	
zcu102	2021-04-23 오후...	파일 폴더	
zed	2021-04-23 오후...	파일 폴더	

<Zybo board file 추가 후>

내 PC > 로컬 디스크 (C:) > Xilinx > Vivado > 2017.4 > data > boards > board_files			
이름	수정된 날짜	유형	크기
li-imx274-mipi	2021-04-23 오후...	파일 폴더	
xm105	2021-04-23 오후...	파일 폴더	
zc702	2021-04-23 오후...	파일 폴더	
zc706	2021-04-23 오후...	파일 폴더	
zcu102	2021-04-23 오후...	파일 폴더	
zed	2021-04-23 오후...	파일 폴더	
zybo-z7-20	2021-04-24 오전...	파일 폴더	