

# **Jini Intelligent Computing Tools Installation Guide**

# 1. Vivado/Vitis HLS Software Installation

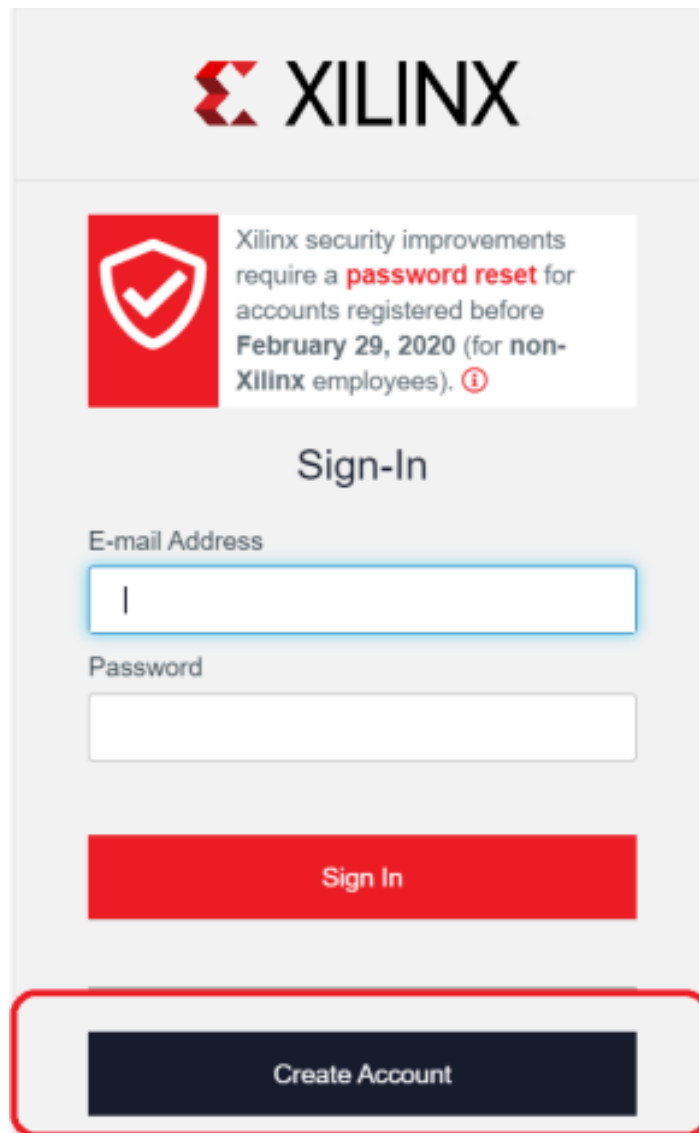
【施作環境為Windows】

首先至 Xilinx 官方下載頁面。

鏈結網址：<https://www.xilinx.com/support/download.html>

欲下載開發套件前必須先註冊一個使用者帳號，並 email 回覆啟動使用者帳號，之後要登入帳號才能下載。

教學參考鏈結：<https://isite.tw/2015/09/30/13717>



The image shows the Xilinx login and registration interface. At the top is the XILINX logo. Below it is a red shield icon with a white checkmark, followed by a message: "Xilinx security improvements require a **password reset** for accounts registered before February 29, 2020 (for non-Xilinx employees). ⓘ". The main section is titled "Sign-In" and contains two input fields: "E-mail Address" and "Password". Below these fields is a red "Sign In" button. At the bottom, there is a dark blue "Create Account" button, which is highlighted with a red rounded rectangle.

XILINX

Xilinx security improvements require a **password reset** for accounts registered before February 29, 2020 (for non-Xilinx employees). ⓘ

Sign-In

E-mail Address

|

Password

Sign In

Create Account

## 1.1. Download Xilinx Vivado/Vitis HLS 2021.2

【施作環境為Windows】

本實驗施作均以 2021.2 版本，請選擇下載對應版本。安裝 Vivado Design Suite 時選擇 Xilinx Unified Installer 2021.2: Windows Self Extracting Web Installer。

[Home](#) / [Support](#) / [Downloads](#)

### Downloads

[Log4j Vulnerability Patch](#)

[Licensing Help](#)

[Alveo Accelerator Card](#)

[Vivado \(HW Developer\)](#)

[Vitis \(SW Developer\)](#)

[Vitis Embedded  
Platforms](#)

[Alveo Packages](#)

[PetaLinux](#)

[Device Models](#)

[Documentation  
Navigator](#)

### Version

[2021.2](#)

[2021.1](#)

[2020.3](#)

[Vivado Archive](#)

[ISE Archive](#)

[CAE Vendor Libraries Archive](#)

#### Vivado ML Edition - 2021.2 Full Product Installation

##### Important Information

Vivado ML 2021.2 is now available for download:

- New device support for Artix® UltraScale+™: XCAU20P and XCAU25P
- Improved Intelligent Design Runs for push-button timing closure
- New example designs available in Vivado®
- Ease of use enhancements for HLS flows

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

Please see [Installer Information](#) for details.

##### Note:

- Download verification is only supported with Google Chrome and Microsoft Edge web browsers.
- Beginning this release we will be offering only 2 Editions for Vivado ML. Please go to [product page](#) for more details.
- Vivado ML 2021.1 and later versions require upgrading your license server tools to the Flex 11.17.2.0 versions.

[Xilinx Unified Installer 2021.2: Windows Self Extracting Web Installer \(EXE - 212.41 MB\)](#)

MDS SUM Value : 76b60fc6a74338066f4e4dd0a855ec93

##### Download Verification

[Digests](#)

[Signature](#)

[Public Key](#)

Download Includes

Download Type

Last Updated

Answers

Documentation

Support Forums

Vivado ML Edition

Full Product Installation

Oct 27, 2021

[2021.x - Vivado Known Issues](#)

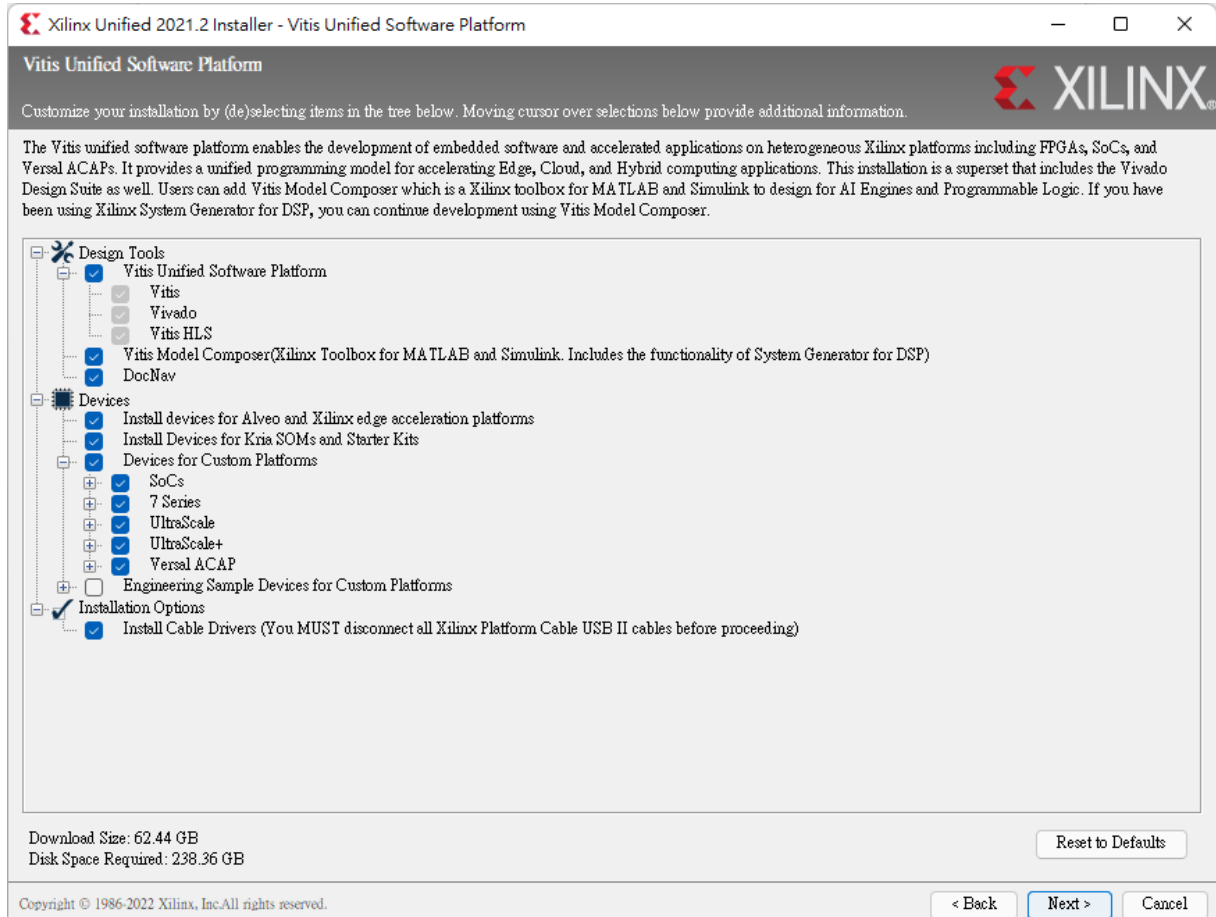
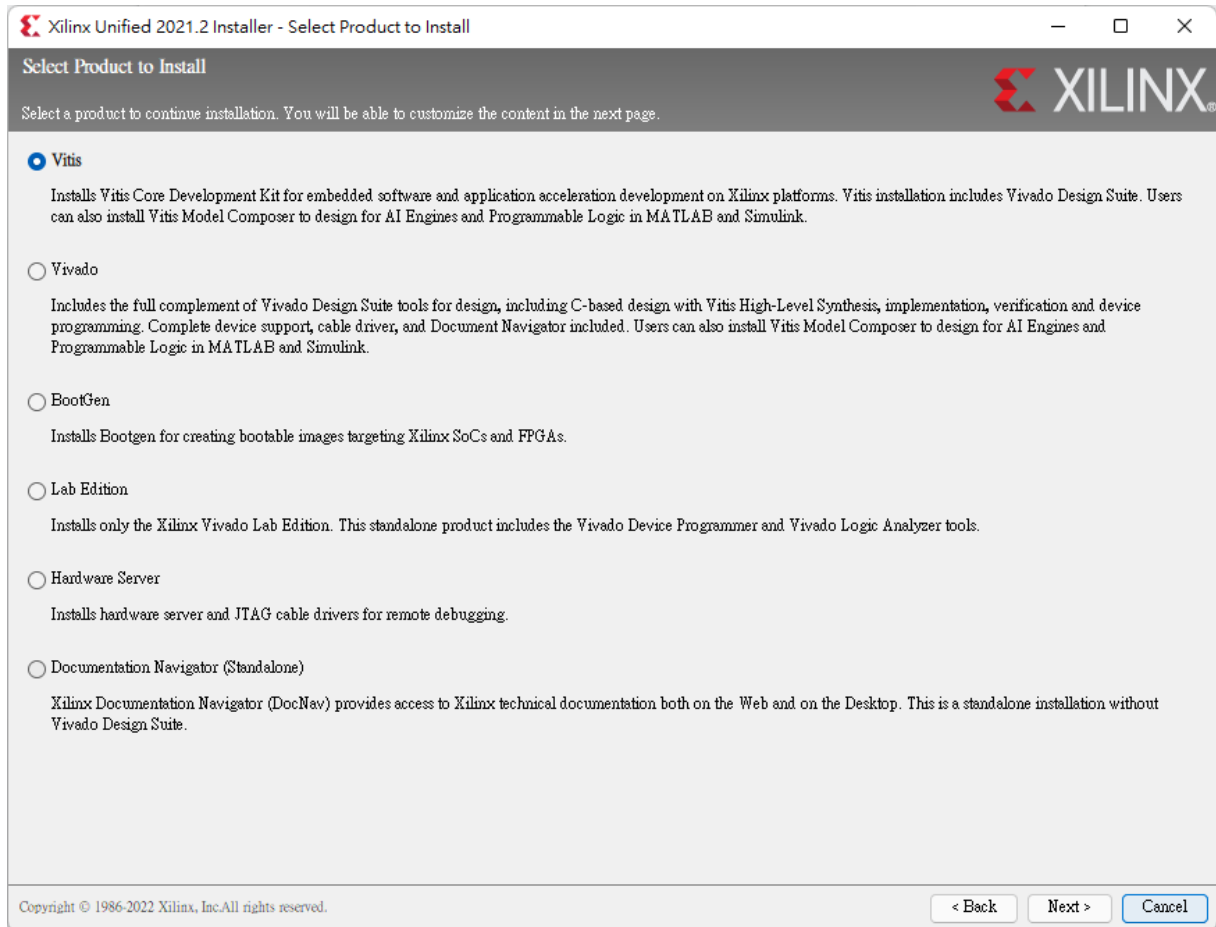
[Release Notes](#)

[OS Support Update](#)

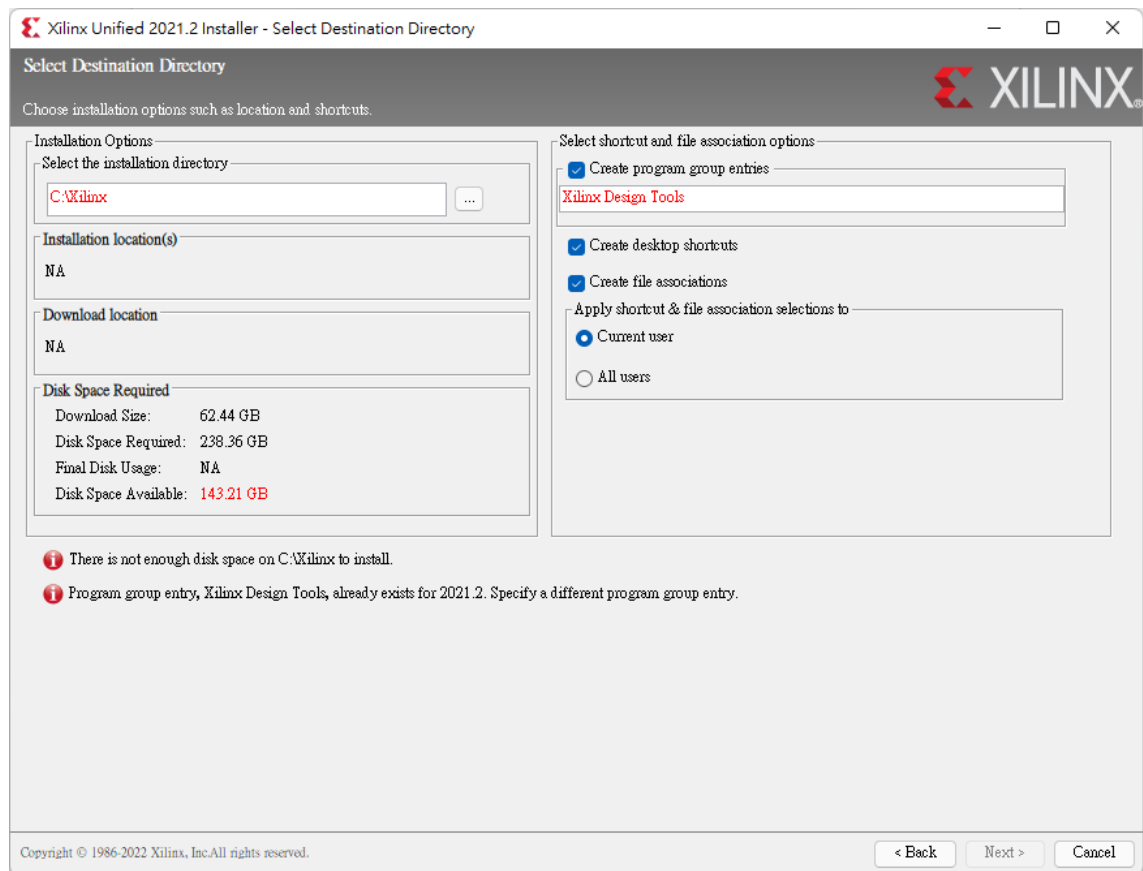
[What's New in Vivado](#)

[Installation and Licensing](#)

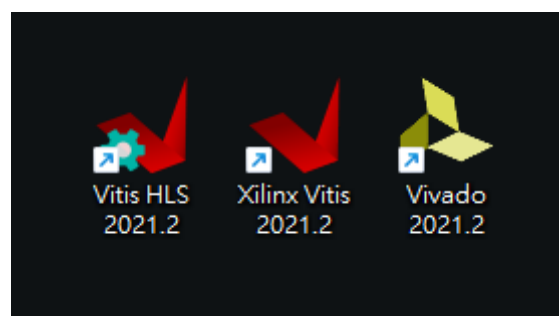
安裝中 Select Product 時請選擇 “Vitis” 下載完整的 design tools。



注意安裝過程中會需要約 240 GB 的硬碟空間。  
(通常會需安裝數小時，需在網路穩定的地方下載)



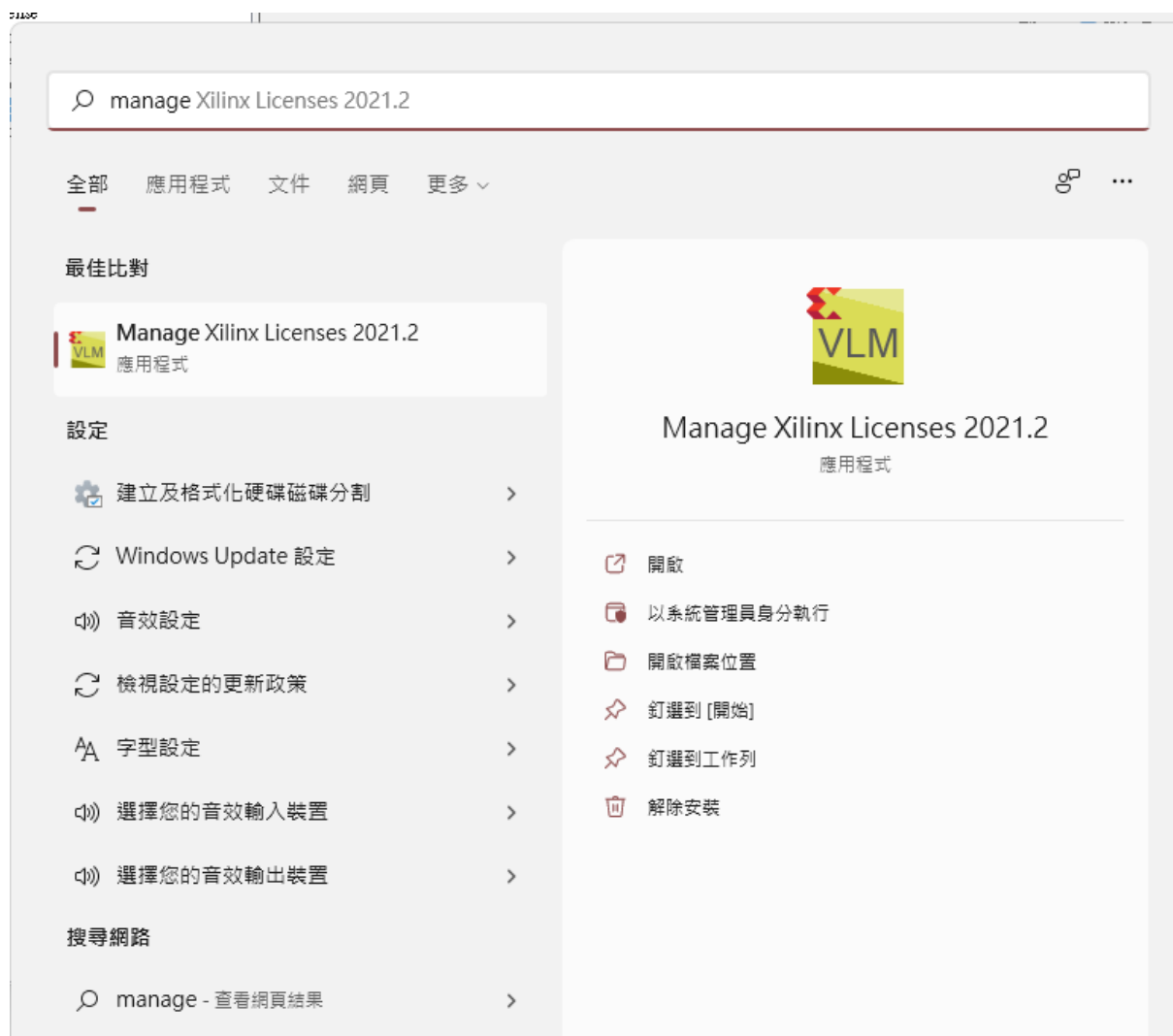
安裝完成後會在桌面看到 Vivado/Vitis HLS 的圖示。



## 1.2. Apply WebPack License

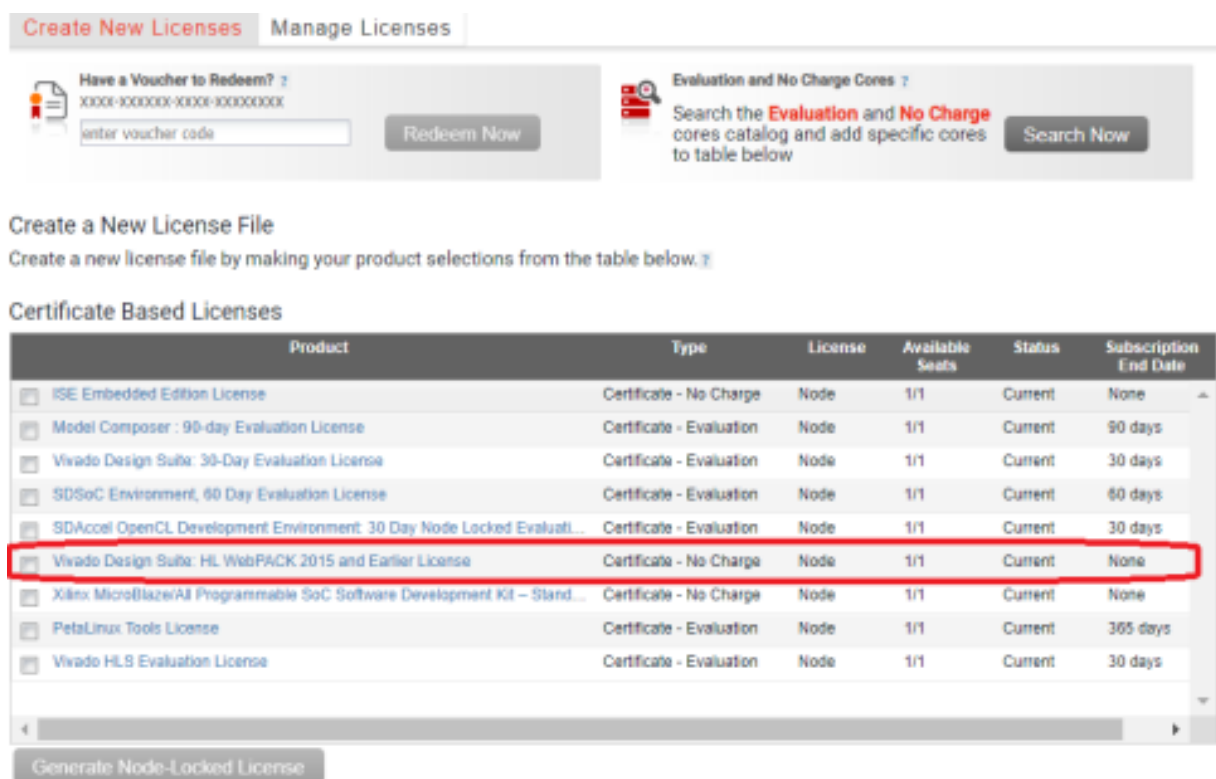
### 【施作環境為Windows】

在開始運行 Vivado/Vitis HLS 必須先取得 license 授權, WebPack License 可免費取得授權。在 Windows 系統 “開始” 啟動 Xilinx Design Tools 中的 Manage Xilinx Licenses 2021.2。





按下 Connect Now 鍵後會跳到產生 license 的網頁，選擇 WebPack License 並開始產生。



Generate Node License

*Fields marked with an asterisk \* are required.*

### 1 PRODUCT SELECTION

Product Selections *	Product	Type	Available Seats	Subscription End Date	Requested Seats	Borrowed Seats
<input checked="" type="checkbox"/>	Vivado Design Suite...	No Charge	1/1	None	1	

### 2 SYSTEM INFORMATION

License	Node
Host ID *	Any

### 3 COMMENTS

Comments ?

Next Cancel

Generate Node License

### 4 REVIEW LICENSE REQUEST

Product Selections

Product	Subscription End Date	Available Seats	Requested Seats
Vivado Design Suite: HL WebPACK 2015 and Ear...		1/1	1

System Information

License	Node
Host ID	ANY

Note: WebTalk is always enabled for WebPACK users. WebTalk ignores user and install preference when a bitstream is generated using the WebPACK license. If a design is using a device contained in WebPACK and a WebPACK license is available, the WebPACK license will always be used. To get additional information on WebTalk, go to [www.xilinx.com/webtalk](http://www.xilinx.com/webtalk).

Previous Next Cancel

產生完成後，可選擇將license 下載到電腦或者郵寄到電子郵件信箱，如下圖左下角圖示。

Create New Licenses Manage Licenses

Host Name	Host Type	Host ID	License Type	OS	Created By	Created Date
*	*	*	Node	*	DOUGLAS SHAW	05 AUG 2020
*	*	*	Node	*	DOUGLAS SHAW	06 JUL 2020

Page 1 of 1 | Displaying 1 - 2 of 2

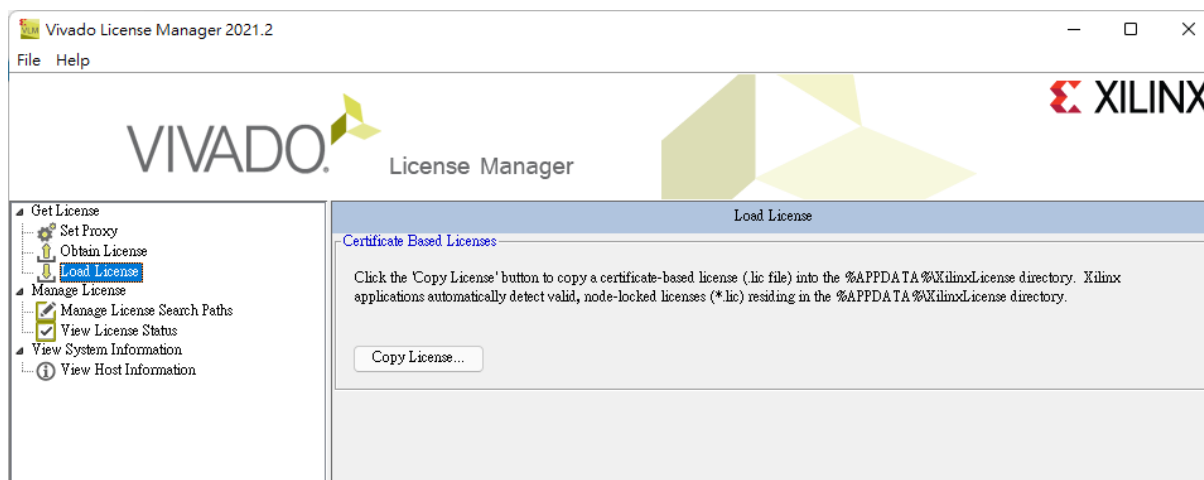
Comments

Product	Type	Status	Subscription End Date	Activated Seats
Vivado Design Suite: HL WebPACK 2015 and Earlier Lic...	Certificate - No Charge	Current	None	1

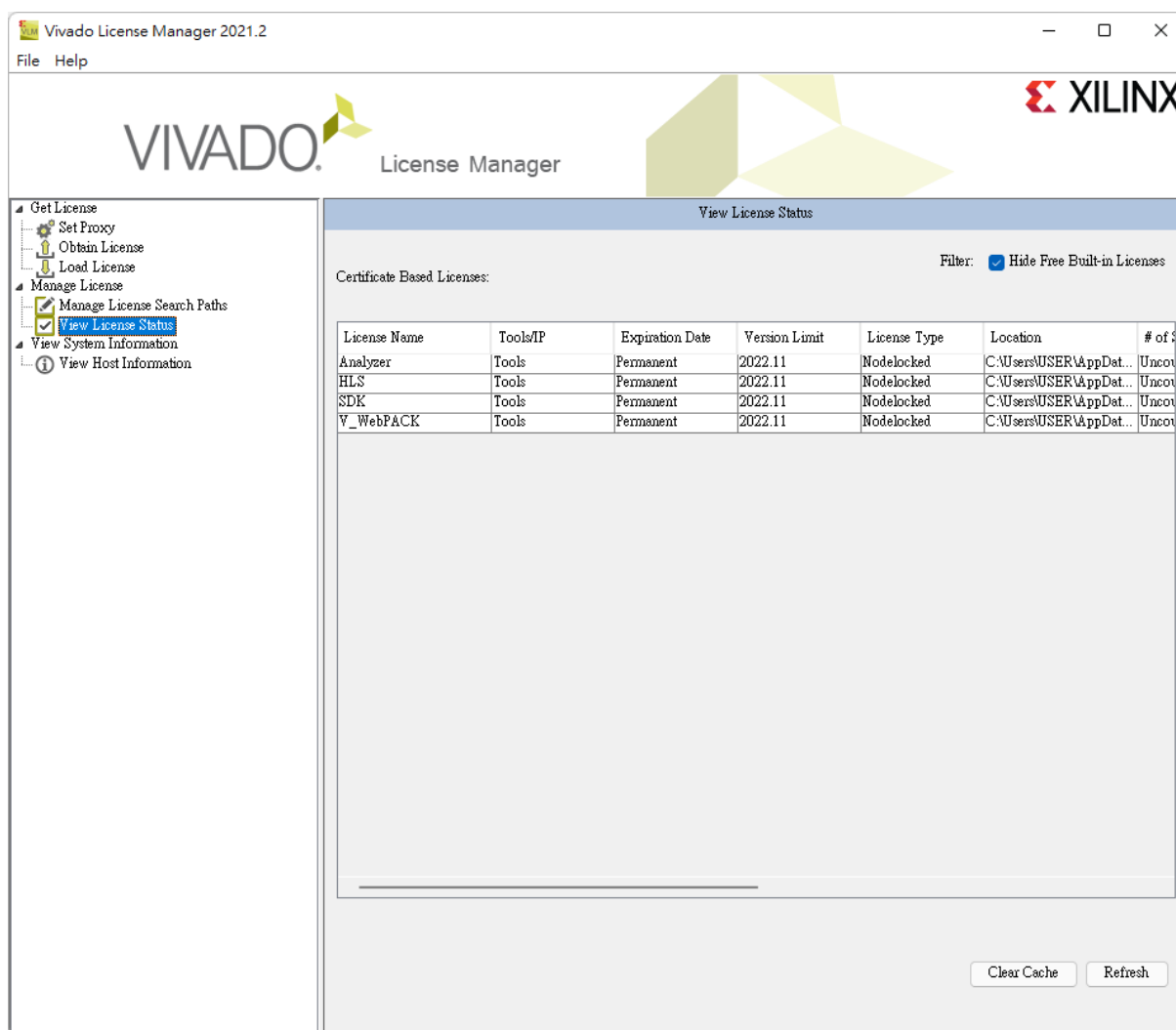
Modify License



回到 Manage Xilinx Licenses 2021.2 將獲取到的 xxx.lic 由load licence處匯入。



再到view licenece status檢查是否完成授權狀態。



## 2. SSH Software Installation

【施作環境為Windows】

下載並安裝 MobaXterm 應用程式。

下載網址：<https://mobaxterm.mobatek.net/download.html>