

# 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

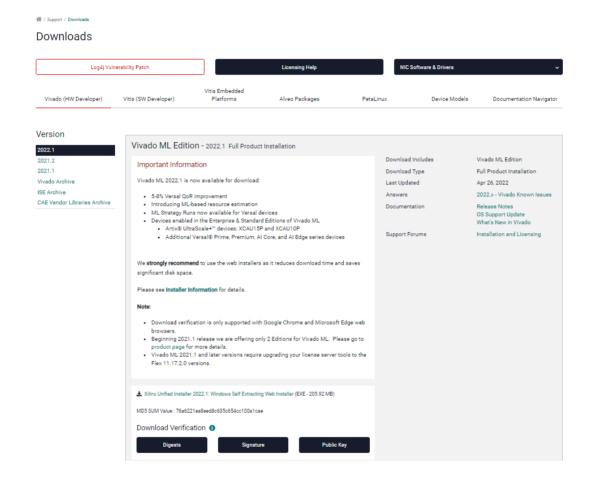




## 1.1. Download Xilinx Vivado/Vitis HLS 2021.2

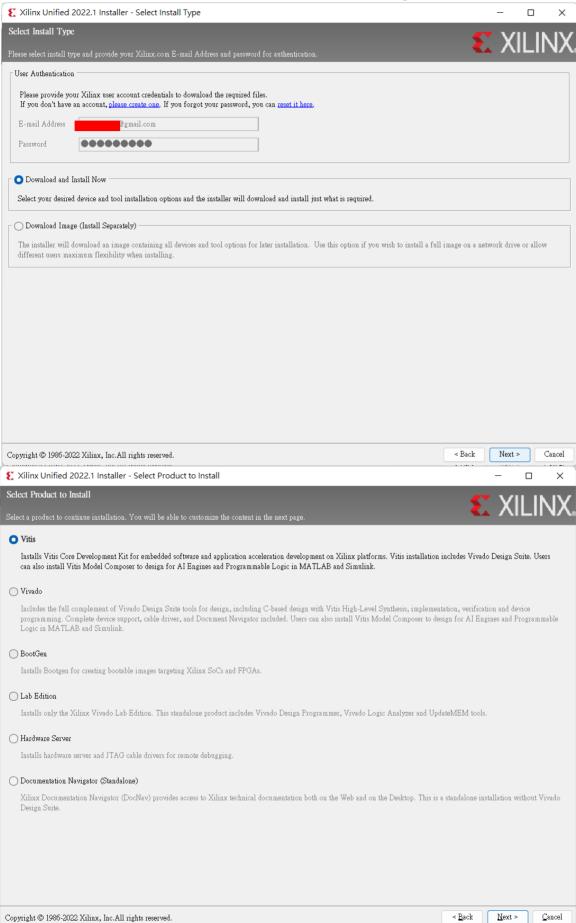
#### 【施作環境為 Windows】

本實驗施作均以 2022.1 版本,請選擇下載對應版本。安裝 Vivado Design Suite 時選擇 Xilinx Unified Installer 2022.1: Windows Self Extracting Web Installer 。

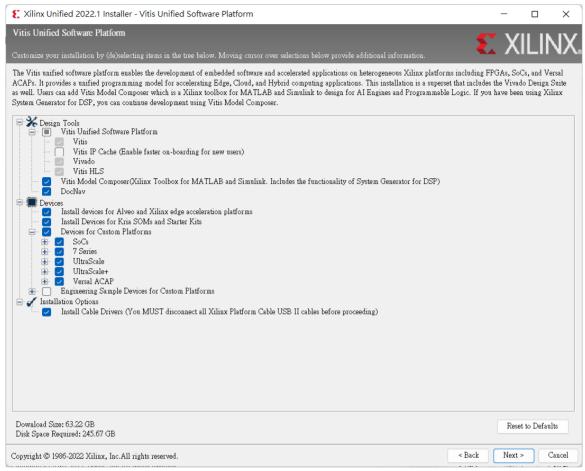




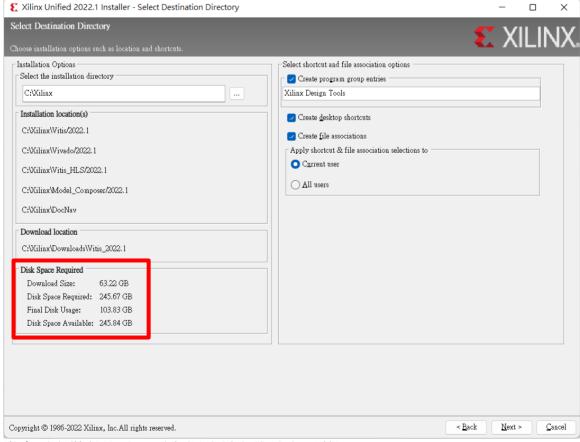
### 登入後在,在 Select Product 請選擇 "Vitis" 下載完整的 design tools。







#### 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)



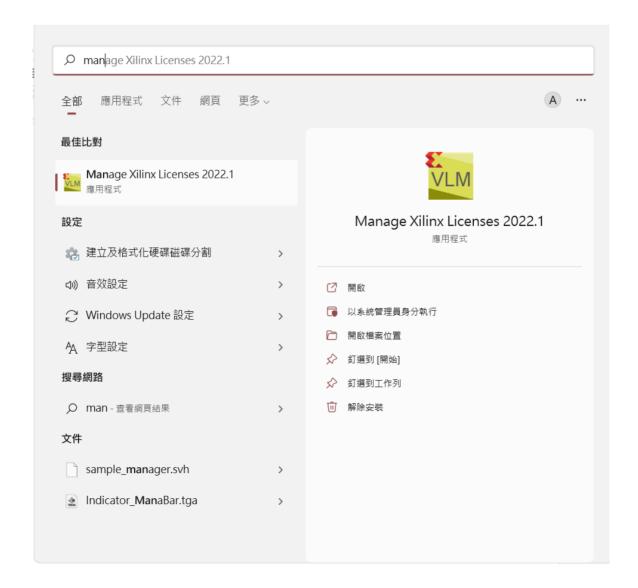
安裝完成後會在桌面看到 Vivado/Vitis HLS 的圖示。



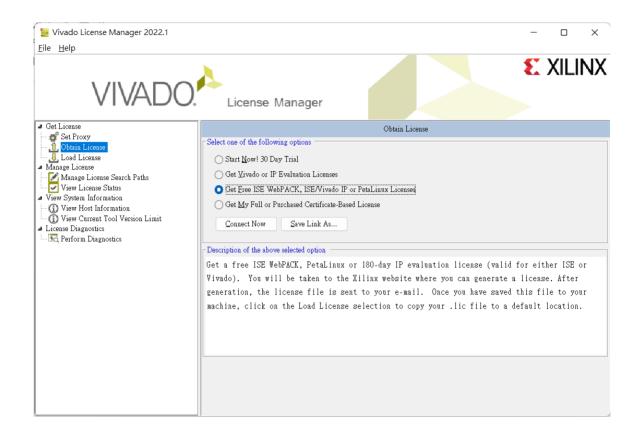
## 1.2. Apply WebPack License

#### 【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 2022.1。







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



#### Create a New License File

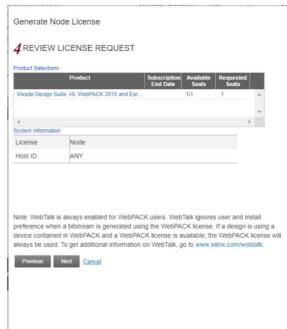
Create a new license file by making your product selections from the table below.)

#### Certificate Based Licenses

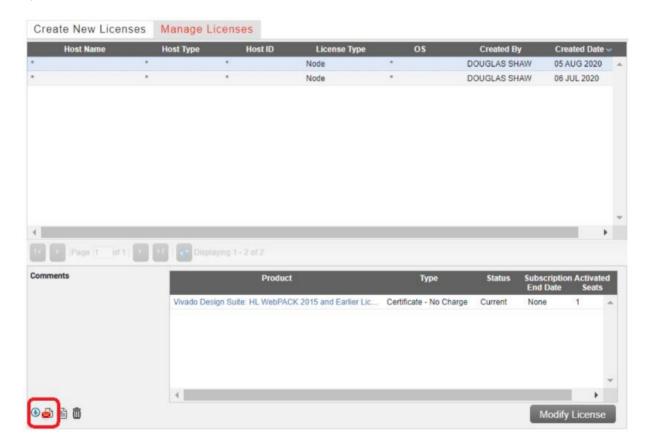
Product	Type	License	Available Seats	Status	Subscripti End Date	
ISE Embedded Edition License	Certificate - No Charge	Node	1/1	Current	None	
Model Composer : 90-day Evaluation License	Certificate - Evaluation	Node	1/1	Current	90 days	
Vivado Design Suite: 30-Day Evaluation License	Certificate - Evaluation	Node	1/1	Current	30 days	
SDSoC Environment, 60 Day Evaluation License	Certificate - Evaluation	Node	1/1	Current	60 days	
SDAccel OpenCL Development Environment: 30 Day Node Locked Evaluati	Certificate - Evaluation	Node	1/1	Current	30 days	
Vivado Design Suite: HL WebPACK 2015 and Earlier License	Certificate - No Charge	Node	1/1	Current	None	
Xilinx MicroBlaze/All Programmable SoC Software Development Kit – Stand	Certificate - No Charge	Node	1/1	Current	None	Т
PetaLinux Tools License	Certificate - Evaluation	Node	1/1	Current	365 days	
Vivado HLS Evaluation License	Certificate - Evaluation	Node	1/1	Current	30 days	
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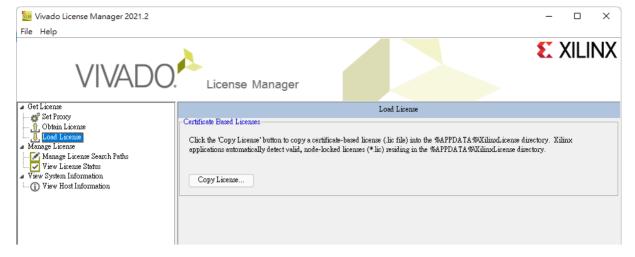




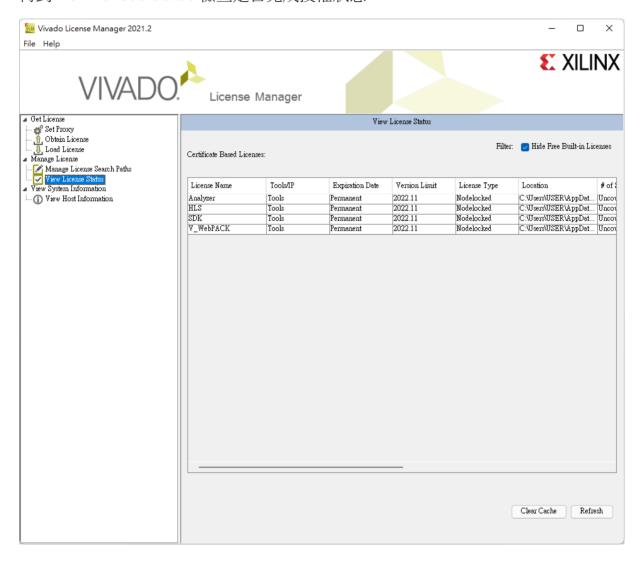
產生完成後,可選擇將 license 下載到電腦或者郵寄到電子郵件信箱,如下圖左下角圖示。







再到 view licnece 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