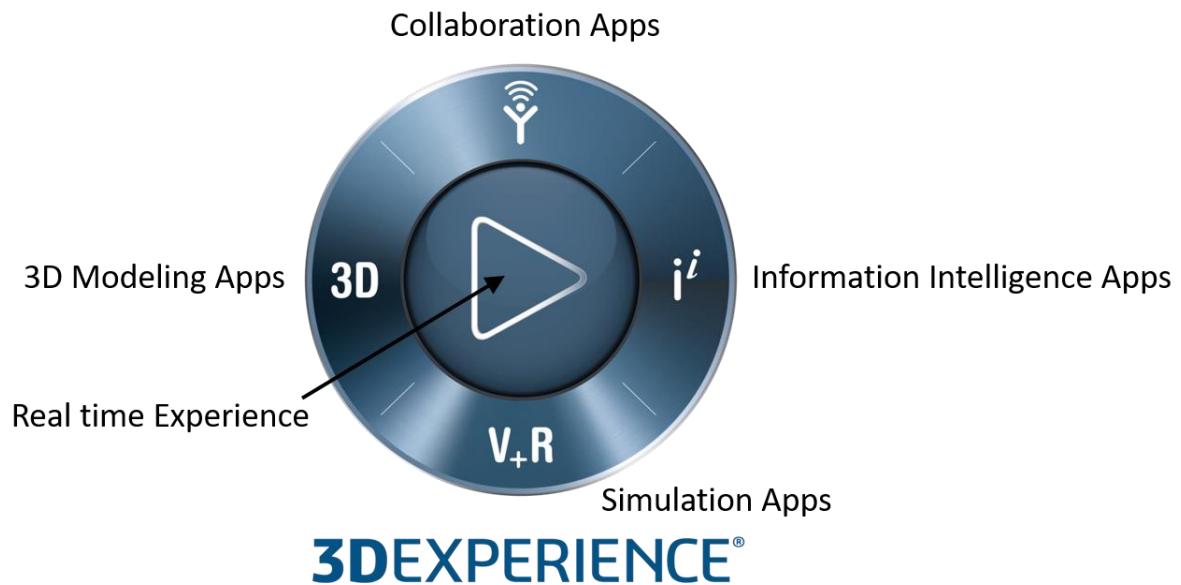


## 3D Experience

### What is 3D Experience –

The 3DEXPERIENCE platform is Cloud based BUSINESS EXPERIENCE platform. It provides software solutions for every organization in your company - from marketing to sales to engineering – that help you, in your value creation process, to create differentiating consumer experiences.

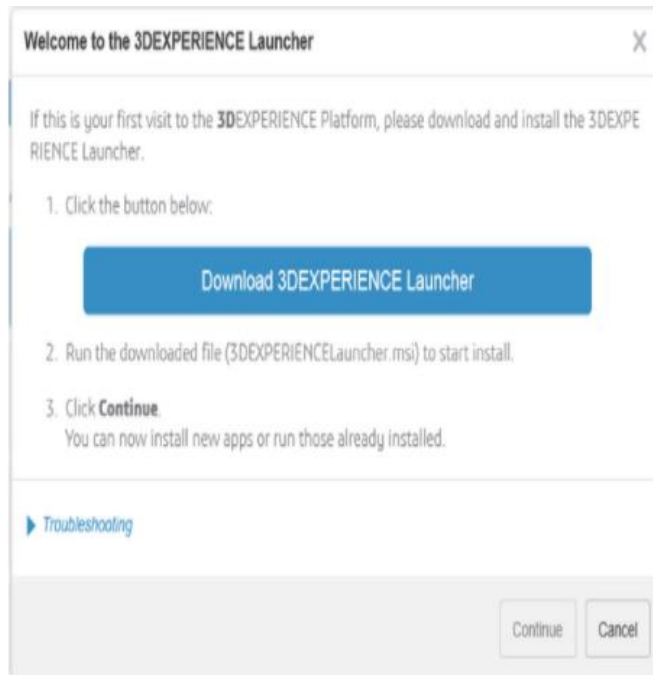
3DEXPERIENCE® is the next step after Product Lifecycle Management (PLM).



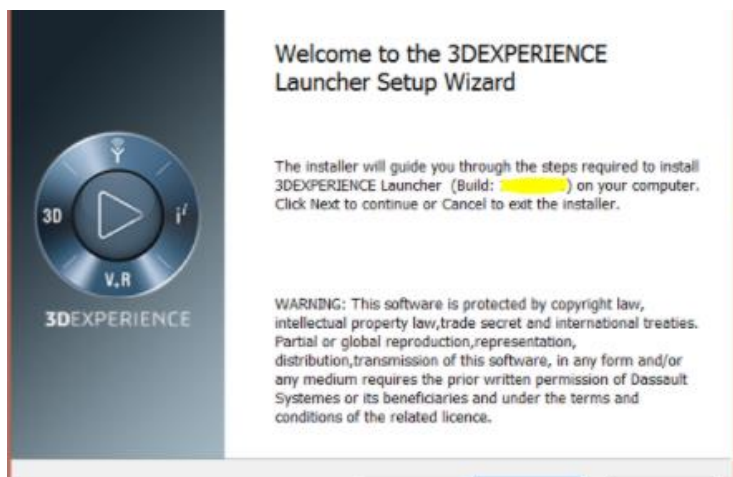
Let us look at the four quadrants, starting at the top and work around the quadrant in a clockwise direction:

1. Collaboration apps include functionality that foster informal collaboration across extended teams (SWYM) and structured collaboration such as formal change management (ENOVIA)
2. Information intelligence apps are designed to handle Big Data and drawing from multiple sources, present the user with concise summaries of the information they need (NETVIBES)
3. Simulation apps are aimed at virtual digital validation and testing of designs. Traditionally this is known as CAE or FEA (SIMULIA). It can also be extended to virtual simulation of factories or retail store layouts.
4. 3D Modelling apps are perhaps what Dassault Systems is best known for and include CATIA and Solidworks.

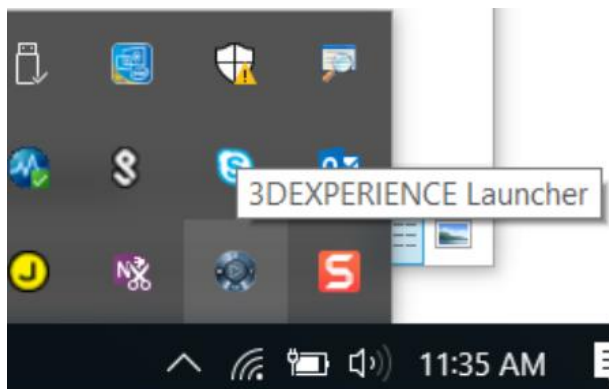
## Install the 3DEXPERIENCE Launcher



A pop-up window to download 3DEXPERIENCE Launcher installer will appear after clicking your rich app from the IFWE Compass if the 3DEXPERIENCE Launcher (if not already installed on your computer).



After download, run the 3DEXPERIENCE Launcher msi installer.



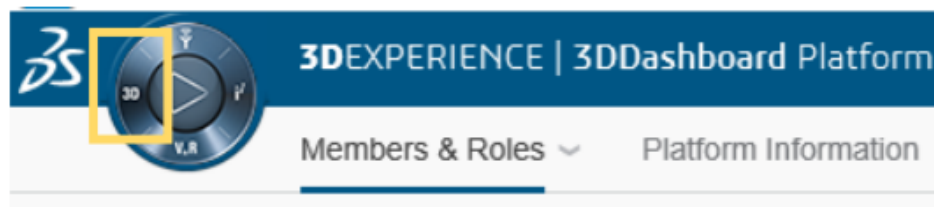
At the end of the installation the service will start and an icon will appear in the system tray.

Refresh your browser page before starting the Native Apps Installation process (press F5 on your keyboard).

## Installing the Apps

When your 3DExperience account is generated you will receive an email From Dassault Systèmes: 3dexperience@3ds.com. This email contains the link for registering and activating your account. Check your junk mail folder. Internet Explorer seems to provide the most consistent experience with the Dassault Systèmes website. The only operating system supported is Windows.

1. Click the email link to “create a new 3DPassport”.
2. The email address should already be filled out with username@wwu.edu, fill out the rest of the registration form.
3. You should now be able to login to the 3DExperience website <https://eu1-academiaifwe.3dexperience.3ds.com/>.
4. Java 8 Update 31 (or Higher) 32bit is required for installing the 3DExperience apps, if you do not have Java installed do so now. <https://www.java.com/en/>.
5. To install the software, click the 3D button in the upper left corner.



6. Click on one of the 3D Modelling Apps such as “2D Layout Insight”.
7. You will be required to first Download and Install the 3DExperience Launcher. Follow the instructions on the screen, to install the launcher, then press continue.
8. With the launcher installed the system should automatically try to relaunch the 2D Layout Insight app. If it doesn’t, relaunch the app.
9. You should now be prompted to install the 3DExperience apps, referred to as “Rich Apps” in Dassault Systems documentation. Choose the option to Install All Granted Roles. Follow the instructions on screen to install the apps, use all default options. The install is approximately 13 GB, installation time will greatly vary based the download speed you receive from your ISP, and the performance of the computer. A typical install assuming a download speed of 25 mbps would take approximately 1 hour 15 minutes. You may be prompted that an update to your graphics drives is required before the Rich Apps can be installed.
10. Once the Rich Apps have installed you can now use 3DExperience on your machine. Throughout the year updates are released, you will receive an email when these updates occur. You will have a period of 2 weeks in which you must follow steps 7-9, to download and install the new release of the 3DExperience Launcher and Rich Apps. If you do not update during that time period, the application will stop working.
11. To run any of the 3DExperience apps, you will need to login to the 3DExperience website, select the app of you want to use (steps 5 and 6), which will launch the app locally on your computer. Some apps are entirely web based.

**Installation Video** - [https://www.youtube.com/watch?v=e8G9JFPSj\\_I](https://www.youtube.com/watch?v=e8G9JFPSj_I)

## Accessing the Training Materials on the 3DAcademy Website

Training videos and documentation are available to anyone authorized for 3DExperience via the 3DAcademy.

1. Go to the 3DAcademy website <https://academy.3ds.com/en/>.
2. Click the connect button in the upper right corner.



3. Login with your 3DPassport account.
4. You will now need to confirm your academic status. Go to the Lathe Machining Training, and Start Course <https://academy.3ds.com/en/learn/lathe-machining>.
5. The system should already have your school issued email address filled in, if not choose the option for "My school-issued email is:" enter your email address and upload a picture of your school ID.
6. It typically takes 1-5 days for account verification, then you should have access to the training materials. Most training of interest can be found in the learn online section of the website <https://academy.3ds.com/en/learn-online>

## How to Navigate through Platform –

[https://youtu.be/D8BI0Cw\\_iqM](https://youtu.be/D8BI0Cw_iqM)

## Collaboration Apps



## Information Intelligence

### EXALEAD PRODUCTS

LEADING COMPANIES WORLDWIDE RELY ON EXALEAD'S DATA DISCOVERY SOLUTIONS TO SEARCH, REVEAL, AND MANAGE THEIR INFORMATION ASSETS FOR FASTER, SMARTER DECISION-MAKING, REAL-TIME UNIFIED DATA ACCESS, AND IMPROVED PRODUCTIVITY.

### EXALEAD PLM Analytics

Reveal, measure and analyze PLM data

EXALEAD PLM Analytics allows customers to fully manage product programs, from design to traceability of changes, cost, quality and issue analytics.

### EXALEAD OnePart

#### Sourcing & Standardization Intelligence

**For Standardization:** Thanks to Machine Learning, it has never been so easy to identify similar parts and compare technical information, helping complexity managers classify and identify the standard part to be reused by the design office.

**For Sourcing & Purchasing:** Applying the power of automation and analytics to industrial parts enhances a company's purchasing strategy by helping reveal major savings opportunities for next-gen design-to-value programs. Our unique 3D CAD Similarity and Machine Learning technologies enable cross-linking of Engineering and Purchasing data to quickly reveal similar or identical parts with different reference numbers and prices, facilitating quantity discounts and optimizing the selection of preferred suppliers.

**For Designers & Engineers:** OnePart Reuse, embedded in a CAD tool, finds parts to reuse based on Standardization and Procurement preferences. Users compare legacy parts and related 2D/3D designs or documents, gaining immediate insight into hidden data.

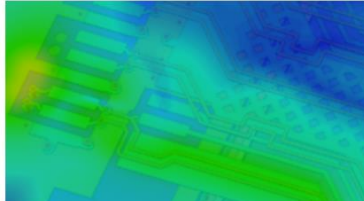
Link - [https://www.3ds.com/products-services/exalead/?wockw=EXALEAD#\\_ga=2.234732124.353000064.1601632042-a76aa9a0-3c35-11ea-8c63-71063b6de99d](https://www.3ds.com/products-services/exalead/?wockw=EXALEAD#_ga=2.234732124.353000064.1601632042-a76aa9a0-3c35-11ea-8c63-71063b6de99d)

## Simulation

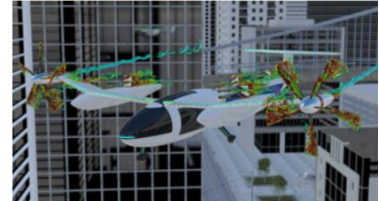
Structure Simulation Software



Electromagnetic Simulation Software



Fluid & CFD Simulation Software



Multibody System Simulation Software



3DEXPERIENCE

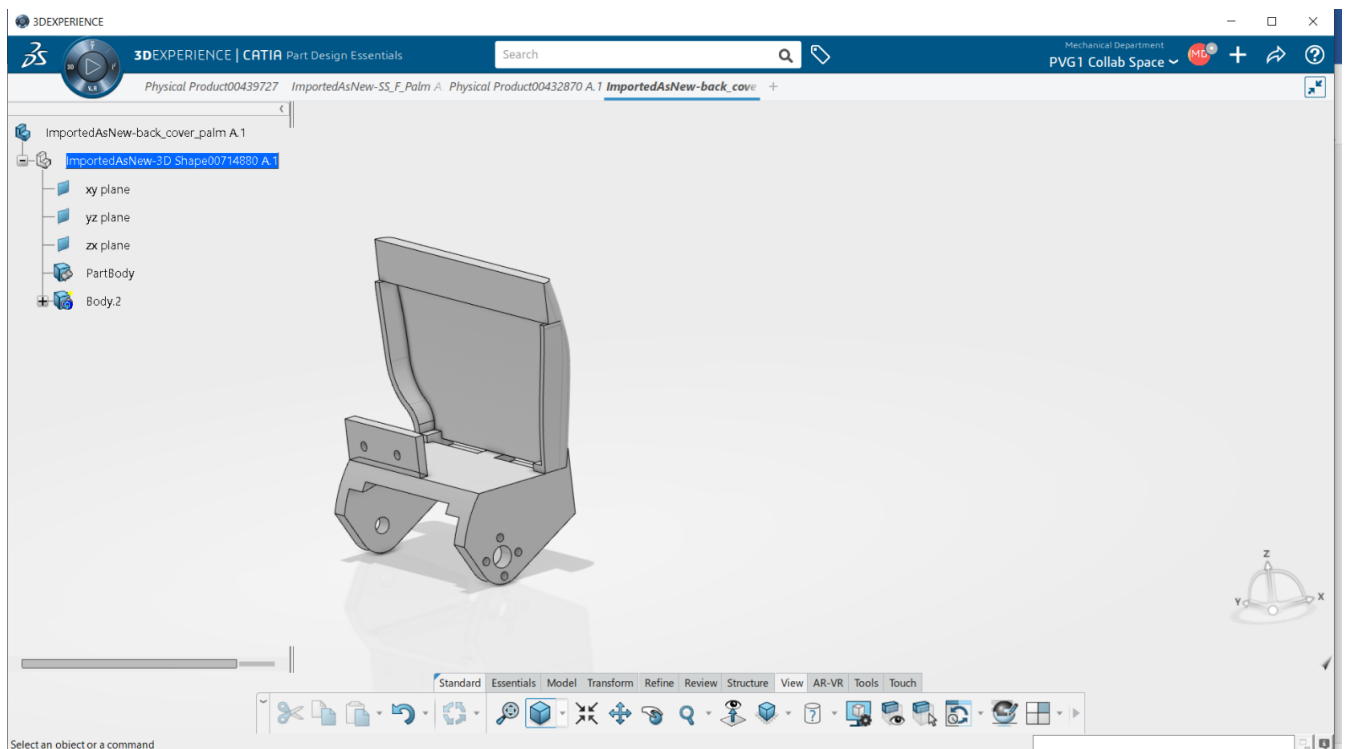


SIMULIA V5



## Modelling

3D Experience Screen –



## Important Links –

### 1. Certification links –

<https://www.3ds.com/training/certification-program/3dexperience-certification/>

### 2. Support –

[engd.compsupport@wwu.edu](mailto:engd.compsupport@wwu.edu)

### 3. App Installation –

<https://www.3ds.com/support/3dexperience-platform-on-cloud-support/onboarding/native-apps-installation/>

### 4. 3D Experience –

<https://www.3ds.com/3dexperience/>

## Tutorial Link –

1. <https://www.youtube.com/c/PLMTechnology/videos>
2. <https://www.youtube.com/playlist?list=PLCEavuZt0sty9P29Nm1UFY2ZltW3xudC->