



3DEXPERIENCE®

3DEXPERIENCE Edu

Administrators Onboarding to the
3DEXPERIENCE

January 13, 2021



3DEXPERIENCE®

Administrators Onboarding

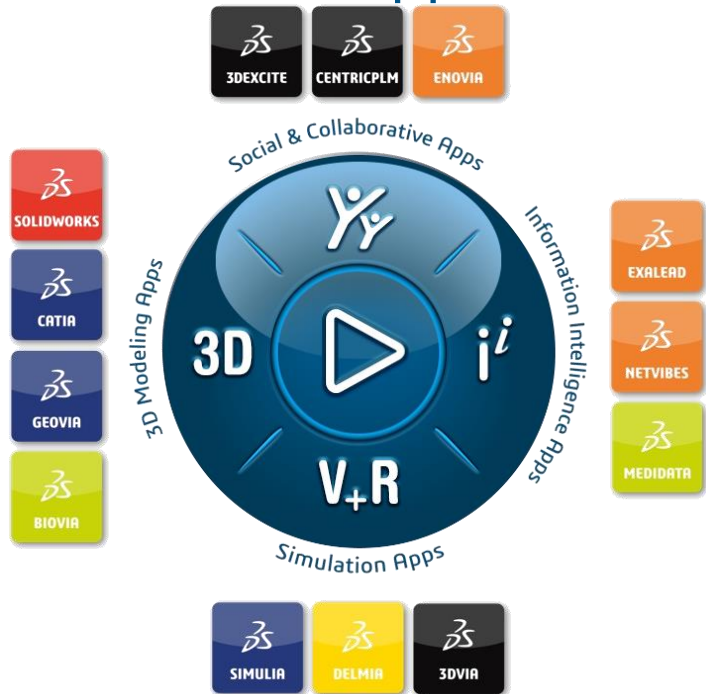
Introduction

Introduction

- ▶ Welcome to **3DEXPERIENCE** platform on the Cloud
- ▶ This document will guide you through the first steps of your **3DEXPERIENCE** journey, on the Cloud, as an Administrator, or a faculty member with admin rights
- ▶ This document has no intent to cover all aspects of the **3DEXPERIENCE** platform, but help you through the initial phases of an Academic deployment
- ▶ Read carefully the document and refer to it while starting experiencing the product

3DEXPERIENCE® powers...

... our Brand Applications...



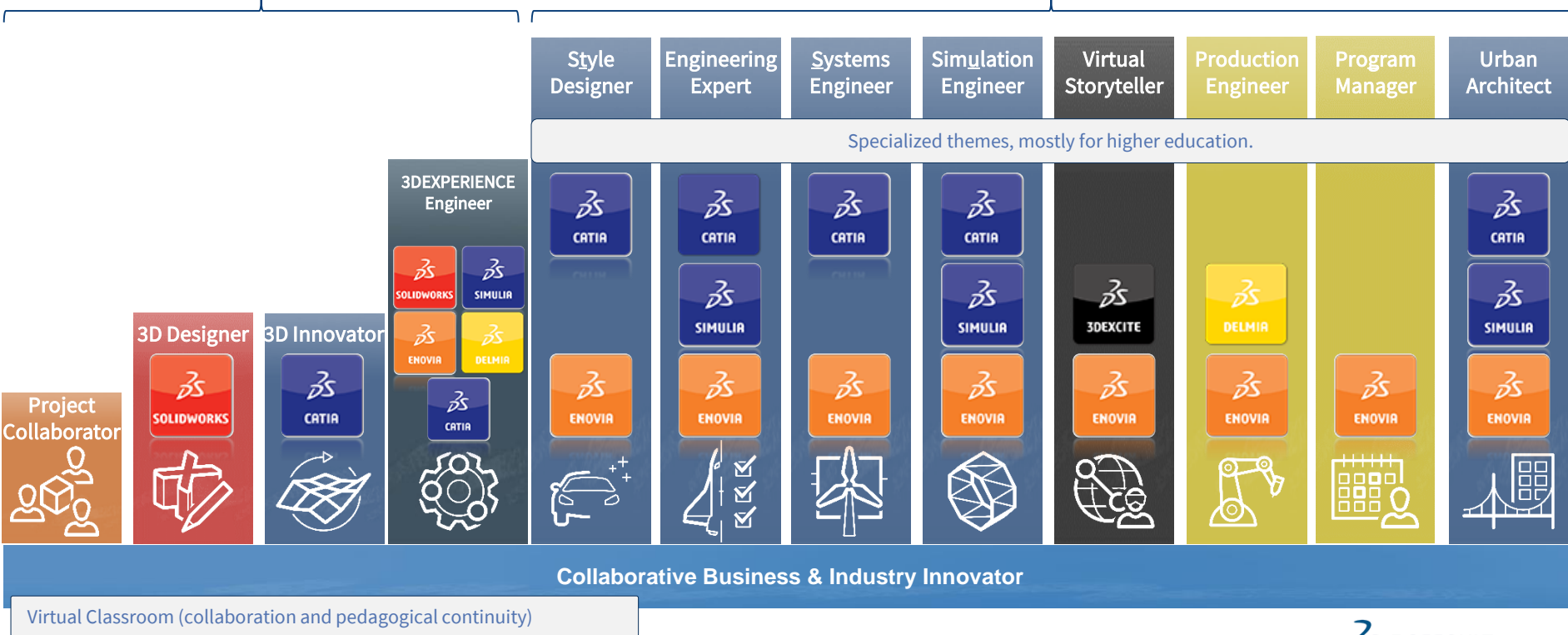
...for 11 Industries



3DEXPERIENCE Roles - Multiband

Starters

Advanced Domains



Virtual Classroom (collaboration and pedagogical continuity)

3DEXPERIENCE - EDU Roles

 Collaborative Business Innovator

 Collaborative Industry Innovator

 Project Collaborator

 3D Designer

 3D Innovator


 **3DEXPERIENCE** Engineer


 Collaborative **3DEXPERIENCE** Engineer

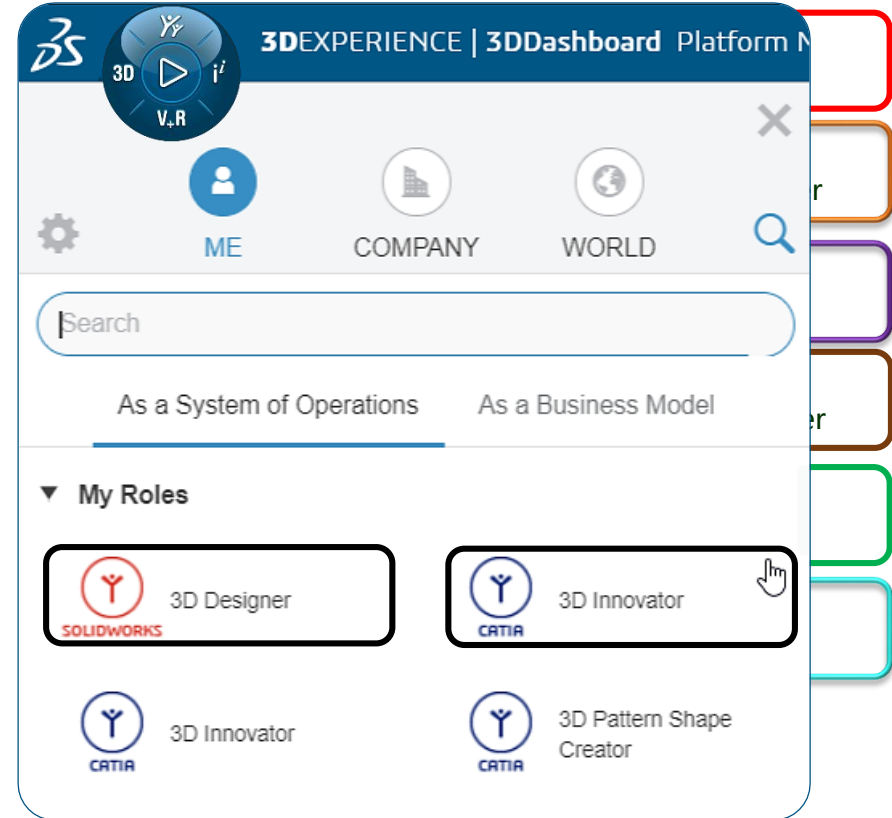
 Style Designer

 Collaborative Style Designer

 Engineering Expert

 Collaborative Engineering Expert

 Platform Manager



*Roles vary based on Education packages ordered

3DEXPERIENCE - EDU Roles

- | | | | |
|--|--|---|---|
|  Collaborative Business Innovator |  Collaborative Industry Innovator |  Systems Engineer |  Collaborative Systems Engineer |
|  Project Collaborator | |  Simulation Engineer |  Collaborative Simulation Engineer |
|  3D Designer |  3D Innovator |  Virtual Storyteller |  Collaborative Virtual Storyteller |
|  3DEXPERIENCE Engineer |  Collaborative 3DEXPERIENCE Engineer |  Production Engineer |  Collaborative Production Engineer |
|  Style Designer |  Collaborative Style Designer |  Program Manager |  Collaborative Program Manager |
|  Engineering Expert |  Collaborative Engineering Expert |  Urban Architect |  Collaborative Urban Architect |
|  Platform Manager | |  Simulation Researcher | |

Roles vary based on Education packages ordered

3DEXPERIENCE - Access & Compass

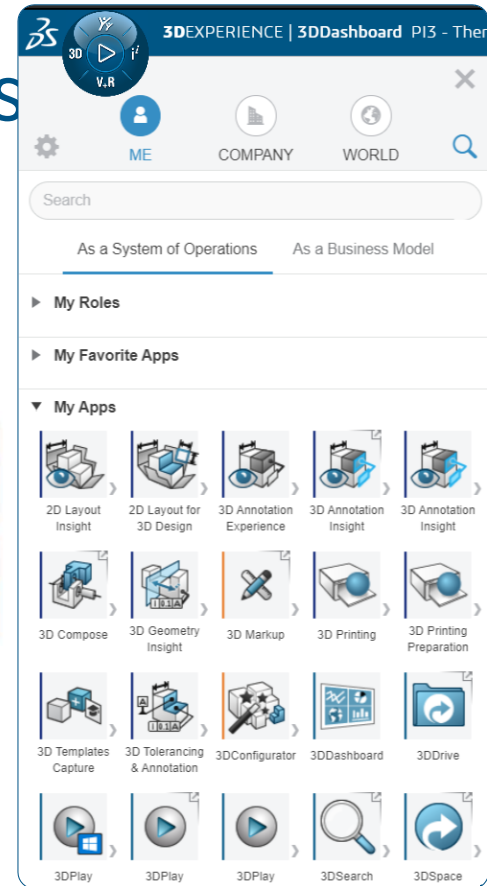
► Summary

- ▷ Functions/Apps cover 4 themes:
 - Social & Collaborative Apps
 - 3D Modeling Apps
 - Simulation Apps
 - Information Intelligence Apps

- ▷ Access 3DEXPERIENCE
Use the unique URL address

eu1-academia-ifwe.3DEXPERIENCE.3ds.com

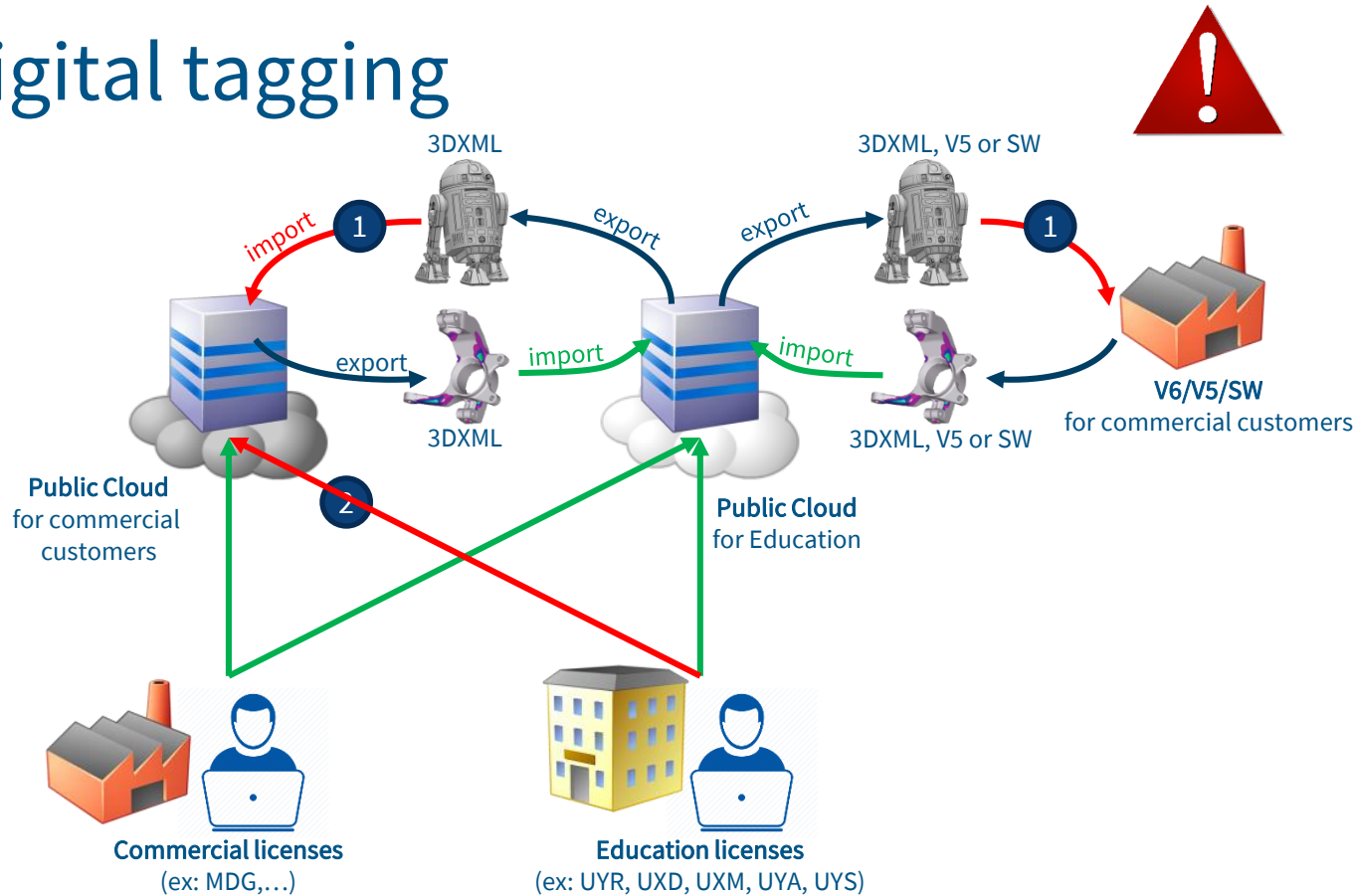
- ▷ In a web browser, search
3DEXPERIENCE Education login



CLOSA & Digital tagging

- ▶ Customer License and Online services Agreement
- ▶ Refer for appropriate documentation for detailed information

1. Models produced by the 3DEXPERIENCE for Education are digitally tagged. They can't be imported into any commercial environment (V5, V6, SW or 3DEXPERIENCE)
2. Education applications can't connect to any 3DEXPERIENCE commercial environment.





3DEXPERIENCE®

Administrators Onboarding

Getting Started



Requirements & Prerequisites

- ▶ An Internet connection
 - ▷ Bandwidth and latency tests shall be performed (use the help menu -> About 3DEXPERIENCE -> Support)
 - ▶ For a Qualified Platform: a minimum of 16 Mb/s bandwidth and a maximum of 120 ms round trip latency toward DS's data center
 - ▶ For a Compatible Platform: a minimum of 4 Mb/s bandwidth and a maximum of 350 ms round trip latency toward DS's data center
 - ▶ Certified hardware
Note: non listed hardware but compatible graphic cards and hardware may be able to run 3DEXPERIENCE
- ▶ Prerequisites: web browser (Chrome or Firefox), compatible computer (rich apps runs only on Windows based computers)
JDK 11.0.5 or AdoptOpenJDK JRE 11.0.6 minium must be installed
 - ▷ Actions described in the prerequisites checks below have to be performed as Windows System Administrator
 - ▷ Test your compatibility with the Cloud Eligibility tool
www.3ds.com/support/3dexperience-platform-on-cloud-support/eligibility/
- ▶ A Valid 3DEXPERIENCE ID (username and password) for all users

Administrator – Getting started

1. Activate your tenant

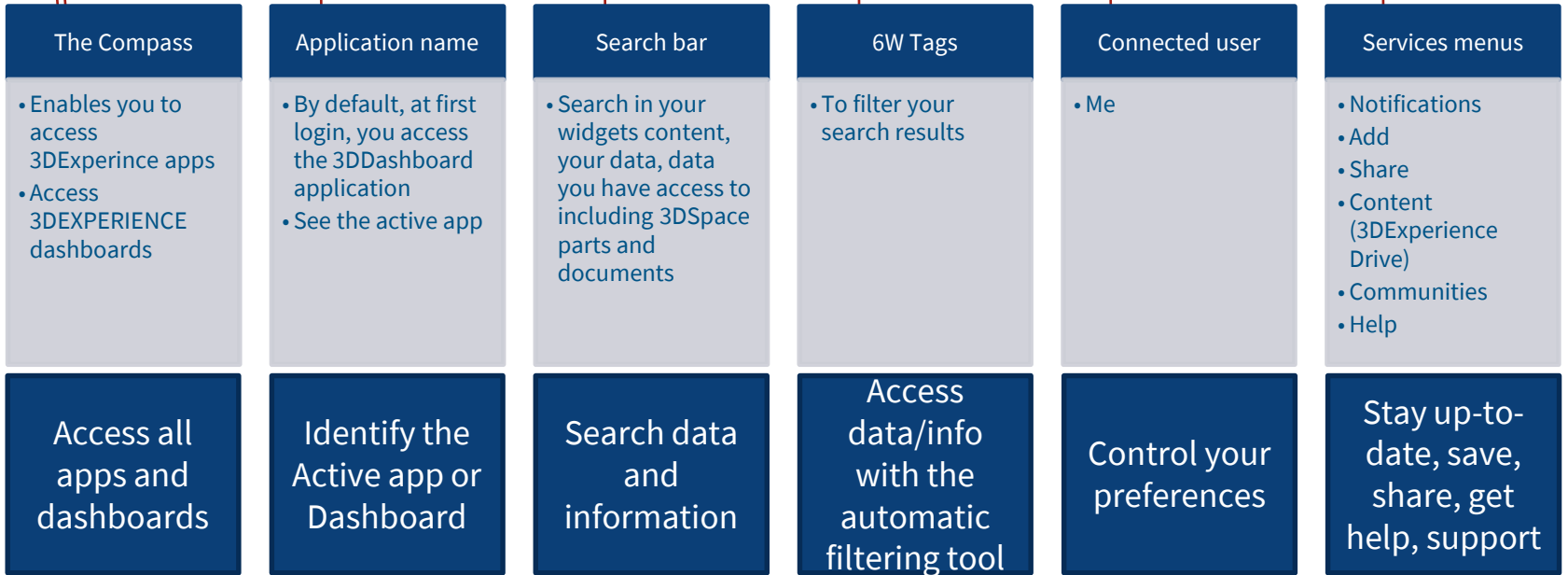
Start with the *3DEXPERIENCE platform availability* [email](#) for your Institution – *LKOXXXXXX*

Use the link: [Become the first licensed user of your 3DEXPERIENCE Platform and the main Administrator*](#)

Main admin registers to 3DEXPERIENCE if he/her does not have an 3DEXPERIENCE ID or SOLIDWORKS ID

- You can have multiple admins in 3DEXPERIENCE
- The main admin can be changed later

3DEXPERIENCE User Interface



Understand the 3DEXPERIENCE User Interface

The screenshot displays the 3DEXPERIENCE user interface with several key components highlighted:

- 3D Compass:** A circular navigation hub in the top left corner.
- 3DSearch:** A search bar at the top of the page.
- 6WTag:** A filter menu on the right side of the main content area, listing various tags like 'Who', 'Responsible', 'When', etc.
- Profile:** A user profile sidebar on the right, including 'My Roles', 'My Profile', 'Preferences', and 'Sign out'.
- Add:** A dropdown menu on the right for adding content, with options like 'Post', '3D / Photo / Video', 'Question', 'Idea', 'Wiki Page', 'Survey', and 'Community'. A 'Share' sub-menu is also visible.
- 3DNotification:** A notification center window showing unread notifications and messages from other users.
- 3DMessaging:** An instant messaging window showing a list of contacts.
- 3DDashboard:** The main content area displaying a 3D model of a motorcycle.
- 3Dswym:** A news or announcement section at the bottom of the main content area.
- 3DComment:** A comment section at the bottom of the page.
- 3DDrive:** A file management sidebar on the right showing 'My Files' and various storage providers like 3D Drive, Dropbox, and Google Drive.
- My Roles / Profile:** A sidebar on the left showing user roles and favorite apps.
- My Social And Collaborat...:** A sidebar on the left showing social and collaboration tools like 3D Drive, 3DEXPERIENCE University, 3DLEX Contracts, 3Dswym, 3Dswym Analytics, and 3Dswym Content.
- Applications:** A sidebar on the left showing various applications.
- 3DPlay:** A video player at the bottom left showing a 3D model of a motorcycle.



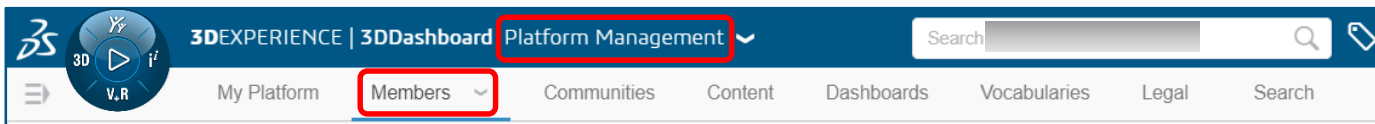
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Administrators Onboarding

Managing Members

Managing members - Manual invitations

1. Connect to 3DEXPERIENCE eu1-academia-ifwe.3dexperience.3ds.com/
2. Access the Platform manager 3DDashboard



▶ Manual invitations (up to 10 members at a time)



1. Invite as **Members**, using their email
2. Set User rights
3. Set Invitation language
4. Add message (optional)
5. Next

The 'Invite members' dialog box is shown with five numbered steps:

1. Enter email addresses in the 'Invite by email' field.
2. Select 'Member' in the 'User rights' dropdown.
3. Select 'English (English)' in the 'Invitation Email language' dropdown.
4. Add an optional message in the 'Add a message' text area.
5. Click the 'Next' button.

Managing members - Manual invitations

6. Grant Roles to the invited user(s)

Notes:

a. see with instructor roles needed

b. *Collaborative Industry Innovator* should be granted to every user, admins included

Invite members

1 Members 2 Roles 3 Additional Apps

Search Roles

Selected

Collaborative Business Innovator

Assign License - Used: 146/200

Restrict Usage to this Platform

Available roles with licenses

3D Designer Used: 3/30

3DEXPERIENCE Essentials Client Used: 136/200

3DEXPERIENCE Essentials Server Used: 108/201

Back **7** Next Cancel

7. Next

Managing members - Manual invitations

8. Chose to grant access to shortcuts to launch CATIA V5 or SOLIDWORKS from **3DEXPERIENCE** (independent licenses)
9. Invite
 - ▶ Users receive an invitation email
 - ▶ Users have to connect with their **3DEXPERIENCE** ID or **SOLIDWORKS** ID
 - ▶ Members status is *Pending* until he/she connects once

Invite members

1 Members 2 Roles 3 Additional Apps

Search Additional Apps

Available

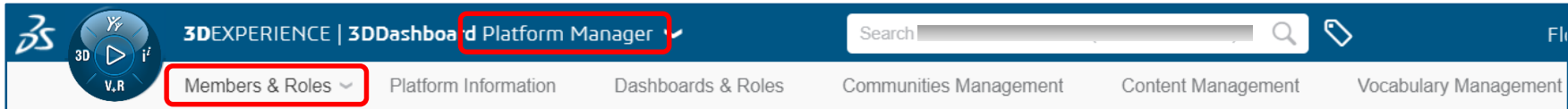
<input type="checkbox"/> CATIA V5	}	8	Type: Native
<input type="checkbox"/> SOLIDWORKS			Type: Native

Back 9 Invite Cancel

Member (Pending) Admin (Pending)

Managing members - Batch invite

- ▶ Log into 3DEXPERIENCE
- ▶ Access the Platform manager 3DDashboard



- ▶ Batch invite (with a cvs file)

▷ Invite Members, from the **Batch invite tab**

1. Upload member list (see example)
2. Set Invitation language
3. Add message (optional)
4. Next

Managing members - Batch invite

5. Grant Roles to the invited user(s)

Notes:

a. see with instructor roles needed

b. *Collaborative Industry Innovator* should be granted to every user, admins included

6. Next

Invite members
✕

Members

Roles

Additional Apps

Selected	
<input checked="" type="checkbox"/> Collaborative Business Innovator	<div style="display: flex; justify-content: space-between; align-items: center;"> <div style="font-size: 18px; color: #0070c0;">5</div> <div style="text-align: right;"> <input type="checkbox"/> Assign License - Used: 146/200 <input type="checkbox"/> Restrict Usage to this Platform </div> </div>
Available roles with licenses	
<input type="checkbox"/> 3D Designer	Used: 3/30
<input type="checkbox"/> 3DEXPERIENCE Essentials Client	Used: 136/200
<input type="checkbox"/> 3DEXPERIENCE Essentials Server	Used: 108/201

Back

6

Next

Cancel

Managing members - Batch invite

7. Chose to grant access to shortcuts to launch CATIA V5 or SOLIDWORKS from **3DEXPERIENCE** (independent licenses)
8. Invite
 - ▶ Users receive an invitation email
 - ▶ Users have to connect with their **3DEXPERIENCE** ID or **SOLIDWORKS** ID
 - ▶ Members status is *Pending* until he/she connects once

Invite members

1 Members 2 Roles 3 Additional Apps

Search Additional Apps

Available	
<input type="checkbox"/> CATIA V5	Type: Native
<input type="checkbox"/> SOLIDWORKS	Type: Native

Back Invite Cancel

Member (Pending) Admin (Pending)

Managing members - Batch invite members list

- ▶ Using either Excel or a text file editor, insert
 - ▷ Users email address
 - ▷ Users rights 1: “member” or “admin”
 - ▷ Users rights 2: “employee” or “external”
 - ▷ Separate information by a semi-column (;)
 - ▷ Add a final semi-column at the end of each line
 - ▷ Lines starting with # are ignored

1	#email;user rights;agreement
2	sample-email-1@3ds.com;admin;employee;
3	sample-email-2@3ds.com;member;employee;
4	sample-email-3@3ds.com;member;external;

Managing members - End-user point of view

► Each user receives an invitation email

from

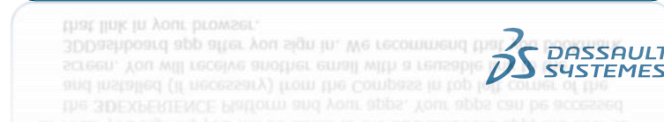
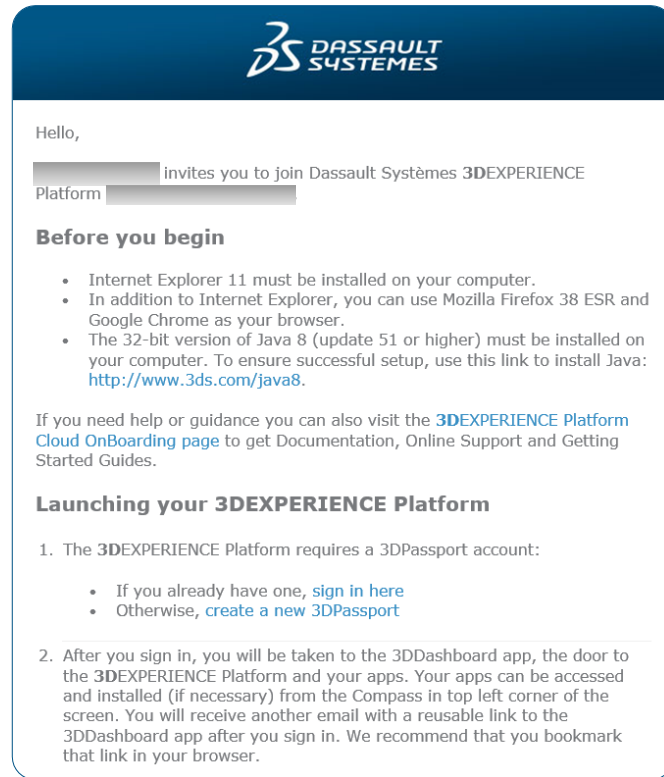
Dassault Systèmes

<3DEXPERIENCE@3ds.com>
Refer to the video playlist

[3DEXPERIENCE Onboarding Series](#)

for first time users

- How to Register
- How to Install
- How to Access
- How to Navigate
- How to Create



Managing members – Remove users

- ▶ For licenses management:



You must remove the granted roles first, before removing users

- ▶ Important:

If they have been used once, roles are locked for thirty days to a user, and cannot be removed until that period is over. In that case, instead of fully removing a member, you can remove his platform access. See Removing Platform Access.

Managing members – Remove users

You must remove the granted roles first, before removing a user

1. Select one to n users (select all available)
2. Open > Remove Granted Roles
 - ▶ **Note:** Business Innovation role remains. Deleted when the user is removed, below.
3. Reselect one to n users (same group)
4. Open > Remove Users

The screenshot shows the 'Members Control Center' for 'ACADEMIA CALIFORNIA'. The interface includes a search bar, navigation tabs (My Platform, Members, Communities, Content, Dashboards, Vocabularies, Legal, Search), and a list of members. The members list is filtered by 'Contractor' roles. A red box highlights three members: Student10, Student13, and Student17. Numbered callouts indicate the steps: 1. Selecting the members, 2. Clicking the 'Remove Granted Roles' icon, 3. Reselecting the members, and 4. Clicking the 'Remove Users' icon.



3DEXPERIENCE®

Administrators Onboarding

Managing Roles and Rights

Managing Roles and Rights – Overview

3DEXPERIENCE members (users)	3DEXPERIENCE members' roles	Collaborative space members (1 or more)	SWYM community members (0 or more)	Sharing Dashboards (1 or more)
<i>≠ User rights</i>	<i>≠ Roles</i>	<i>≠ Roles</i>	<i>≠ Roles</i>	<i>≠ Roles</i>
Control the access of users to the 3DEXPERIENCE platform	Control the access of 3DEXPERIENCE users to the apps available	Control the access to Collaborative space to save data (3D, 2D, Simulation,...)	Control the access to Communities	Access to dashboards for the user
Tenant Specific	Tenant Specific	Tenant Specific	Tenant Specific	User Specific (can mix information from multiple tenants)
Create group of users		Min. access to one mandatory on each tenant		
A	B	C	D	E

To ease users management, create Groups

A

Managing Members – 3DEXPERIENCE User rights

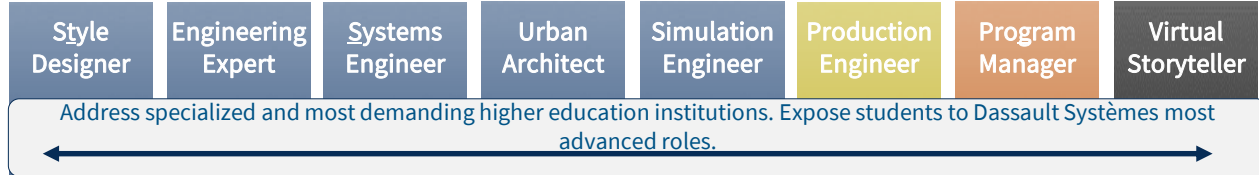
Admin	Member	External
<ul style="list-style-type: none"> Access platform management services Create 3DSWYM communities Monitor 3DSpace collaborative spaces 		
Default access to <ul style="list-style-type: none"> 3DSpace « Common Space » Public 3DSWYM community « Getting Started » 	Default access to <ul style="list-style-type: none"> 3DSpace « Common Space » Public 3DSWYM community « Getting Started » 	NO default access to <ul style="list-style-type: none"> 3DSpace «Common Space» public 3DSWYM community «Getting Started»
	<ul style="list-style-type: none"> Create community content (posts, medias, ideas...) if appropriate 3DSWYM roles assigned 	<ul style="list-style-type: none"> Create community content (posts, medias, ideas...) if appropriate 3DSWYM roles assigned.
	<ul style="list-style-type: none"> Create collaborative spaces if creation rights allowed from 3DSpace Control Center 	<ul style="list-style-type: none"> Create collaborative spaces if creation rights allowed from 3DSpace Control Center

B

Managing Members – 3DEXPERIENCE Roles



+ 3DEXPERIENCE WORKS roles' applications



3DEXPERIENCE Engineer

EXTRA LARGE	XL
1 to 900 u.	
LARGE	L
1 to 300 u.	
MEDIUM	M
1 to 100 u.	
SMALL	S
1 to 30 u.	

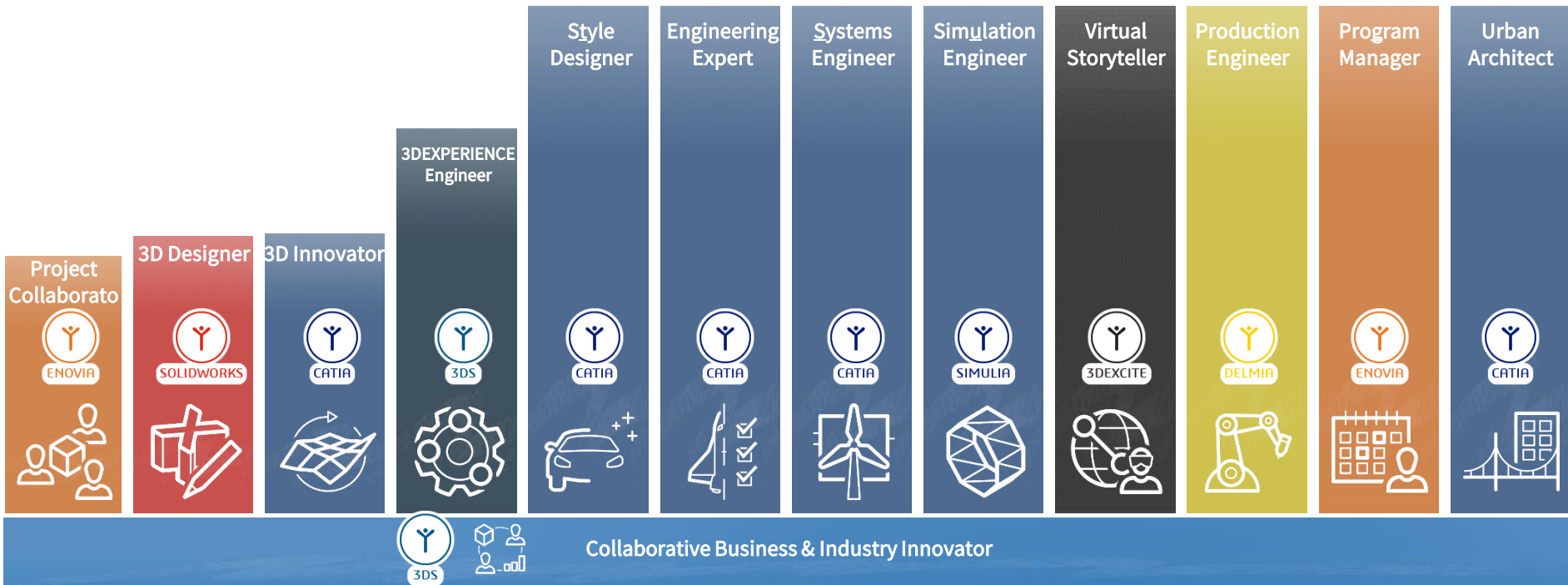
Virtual Classroom (collaboration and pedagogical continuity)

Collaborative Business & Industry Innovator



B Managing Members – 3DEXPERIENCE Roles

315



30

[3DEXPERIENCE for Education portfolio \(Cloud\)](#)

EXTRA LARGE 1 to 900 u. **XL**
LARGE 1 to 300 u. **L**
MEDIUM 1 to 100 u. **M**
SMALL 1 to 30 u. **S**

B

Managing Members – 3DEXPERIENCE Roles pairs



Collaborative Business Innovator



Collaborative Industry Innovator



Project Collaborator



3D Designer



3D Innovator



3DEXPERIENCE Engineer



Collaborative **3DEXPERIENCE** Engineer



Style Designer



Collaborative Style Designer



Engineering Expert



Collaborative Engineering Expert



Platform Manager



Systems Engineer



Collaborative Systems Engineer



Simulation Engineer



Collaborative Simulation Engineer



Virtual Storyteller



Collaborative Virtual Storyteller



Production Engineer



Collaborative Production Engineer



Program Manager



Collaborative Program Manager



Urban Architect



Collaborative Urban Architect



Simulation Researcher

*Roles vary based on Education packages ordered

C

Managing Collaborative Spaces

3DS.COM © Dassault Systèmes | Confidential Information | 3/25/2021 | ref.: 3DS_Document_2015

Visibility	Access to Content Owned by Collaborative Space	Collaborative Space Type
Public	<ul style="list-style-type: none"> Content visible to users logged into the tenant (same organization), unless the content is PRIVATE Content can be freely accessed and connected to from any other collaborative space Public content remains public 	Standard Design
Protected	<ul style="list-style-type: none"> Content Released or Obsolete visible to users logged into this tenant (same organization) Access to content in Private, In Work, or Frozen states protected 	Standard Design
Private	<ul style="list-style-type: none"> Content not visible to users logged in the tenant Content is only accessible to users who have explicit access to the collaboration space 	Design

Standard content is typically catalog





C Managing Collaborative Spaces – Data visibility

State of Maturity on <u>the Data</u>					
Private	In Work	Frozen	Released	Obsolete	
Orange	Green	Green	Green	Green	<u>Public</u> Collaborative Space
Yellow	Yellow	Yellow	Green	Green	<u>Protected</u> Collaborative Space
Yellow	Yellow	Yellow	Yellow	Yellow	<u>Private</u> Collaborative Space
					Legend
Green					Public data
Yellow					Private data (collb. space members)
Orange					Private data (user only)

C Managing Members in Collaborative space - Roles

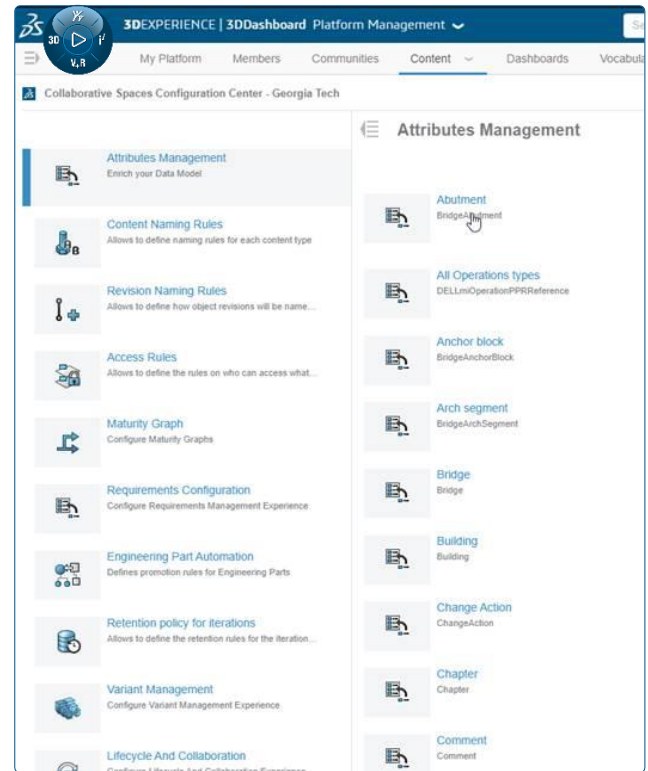
Contributor	Author	Leader/Owner
Evaluates the design, but does not modify it.	Defines the technical solution (RFLP, PPR), and can search, modify, delete, version, and promote collaborative space content.	The Owner has the principal responsibility of administering roles and assigning persons to projects under his responsibility, and has specific project resource administration privileges authorizing him to use:
Manages any review and simulation content of the collaborative space of which the Contributor is a member	<ul style="list-style-type: none"> Manages any kind of content of the current collaborative space of which the Author is a member 	<ul style="list-style-type: none"> the 3DEXPERIENCE Administration Console
	<ul style="list-style-type: none"> Can delete IN_WORK content 	<ul style="list-style-type: none"> Collaboration Workspace
	<ul style="list-style-type: none"> Can duplicate content 	<ul style="list-style-type: none"> Collaboration Briefcase
	<ul style="list-style-type: none"> Can freeze IN_WORK content and unfreeze FROZEN content 	<ul style="list-style-type: none"> Product Resource Management (PRM)



C

Create private data in a shared Collaborative Space

- ▶ Same/One behavior for all users of the tenant
- ▶ Collaborative Spaces Configuration Center > Access Rules > Lifecycle Operations > When creating a major revision, automatically share content with other users
- ▶ Setting is enabled by default. Disable it.
- ▶ Reload the server cache: Collaborative Spaces Configuration Center > Configuration Deployment > Configuration and Server Utilities > Reload Server Cache. New Physical Products should be created with a Private state.
- ▶ Test the environment following that modification



D Managing Communities

Community Type	Description
Public	Visible to everyone; accessible to everyone
Private	Visible to everyone; accessible to authors, contributors, and owners
Secret	Only visible to invited individuals; accessible to invited authors, contributors, and owners

D

Managing Communities Members – SWYM roles

Contributor	Author	Owner
<ul style="list-style-type: none"> • Read access to the community content • Post iQuestions • Post Wiki • Post Ideas • Comment on content 	<ul style="list-style-type: none"> • Create content • Read content • Update content • Delete content 	<ul style="list-style-type: none"> • Add members • Read page • Add page • Edit page • Delete page • Change privacy • Grant access • Lock status of an idea • Reorganize status of an idea • Change status of an idea

Community: Public - Private - Secret

E Managing Dashboards

▶ You can create and manage dashboards

▷ [Add and Rename a Dashboard](#)

▷ [Share a Dashboard](#)

▷ [Invite Users to Share a Synchronized Dashboard](#)

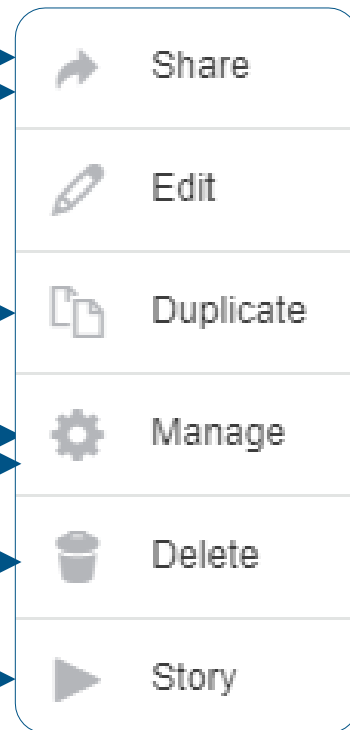
▷ [Duplicate a Dashboard](#)

▷ [Customize a Dashboard Background Image](#)

▷ [Select a Platform for Each of Your Dashboards](#)

▷ [Delete a Dashboard](#)

▷ [Help your users to quickly discover the tabs and widgets of your dashboard](#)





E Managing Dashboards - Roles

➤ Roles for Synchronized Dashboards

Reader	Contributor	Owner
<ul style="list-style-type: none">• Read-only access	<ul style="list-style-type: none">• Edit the content of widgets• Cannot modify the structure or properties of the dashboard or widget position or size	<ul style="list-style-type: none">• Edit the dashboard structure and widget content• Modify the dashboard properties• Delete the dashboard• Manage users' access

Managing Roles and Rights – Summary

3DEXPERIENCE members	3DEXPERIENCE members' roles	Collaborative space members (1 or more)	SWYM community members (0 or more)	Sharing Dashboards (1 or more)
A <i>User rights</i>	B <i>≠ Roles</i>	C <i>≠ Roles</i>	D <i>≠ Roles</i>	E <i>≠ Roles</i>
External	<ol style="list-style-type: none"> 1. Business Innovation 2. Industry Innovation 3. 3DEXPERIENCE Essentials Client 4. 3DEXPERIENCE Essentials Server 5. Design & Engineering 6. Advanced Simulation Client 7. Advanced Simulation Server 8. Systems Engineering 9. Architecture & Civil Engineering 10. Manufacturing & Production 11. Governance and Project Management 12. Platform Manager 	Contributor	Contributor	Reader
Member		Author	Author	Contributor
Admin		Leader & Owner	Owner	Owner

3DExperience roles, users' rights, Collaborative Spaces roles, Dashboards roles and SWYM community roles are totally independent.

Collaborative space: Public – Protected –

SWYM Community. There are not related (except *Platform Manager & Admin*).

Community: Public - Private - Secret

[Platform Setup – 19min27](#)



Managing Roles and Rights – Summary

3DEXPERIENCE members	3DEXPERIENCE members' roles	Collaborative space members (1 or more)	SWYM community members (0 or more)	Sharing Dashboards (1 or more)	
A <i>User rights</i>	B <i>≠ Roles</i>	C <i>≠ Roles</i>	D <i>≠ Roles</i>	E <i>≠ Roles</i>	
External	<ul style="list-style-type: none"> 1. Collaborative Business Innovator 2. Collaborative Industry Innovator 3. Project Collaborator 4. 3D Designer 5. 3D Innovator 6. 3DEXPERIENCE Engineer 7. Collaborative 3DEXPERIENCE Engineer 8. Engineering Expert 9. Collaborative Engineering Expert 	<ul style="list-style-type: none"> 10. Style Designer 11. Collaborative Style Designer 12. Systems Engineer 13. Simulation Engineer 14. Collaborative Simulation Engineer 15. Production Engineer 16. Collaborative Production Engineer 17. Virtual Storyteller 18. Urban Architect 19. Program Manager 20. Platform Manager 	Contributor	Contributor	Reader
Member		Author	Author	Contributor	
Admin		Leader & Owner	Owner	Owner	

3DExperience roles, users' rights, Collaborative Spaces roles, Dashboards roles and SWYM community roles are totally independent.

Collaborative space: Public – Protected –

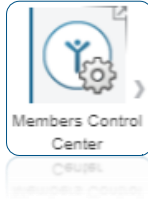
SWYM Community. There are not related (except *Platform Manager & Admin*).

Community: Public - Private - Secret

[Platform Setup](#) – 19min27



Granting Roles for one or several members



- In Platform Management Dashboard or in Members and Roles app

a. Grant required roles to any member

The screenshot shows the 3DDashboard interface for managing roles for a member. On the left, a member card for 'Student14 Student14' (Contractor) is highlighted with a blue box and a red circle '1' next to an information icon. On the right, a larger view of the member's role assignment page is shown, with a red circle '2' next to the 'Roles' button and a red circle '3' next to the 'Design and Engineering' role entry.

Member: Student14 Student14
student14.ds@gmail.com
Contractor

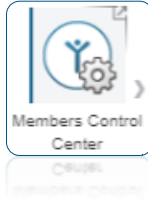
Roles More options

View roles granted View all other roles Search Roles

<input type="checkbox"/>	Design and Engineering	Used: 137/300
<input checked="" type="checkbox"/>	Governance and Project Management	Used: 129/200
<input checked="" type="checkbox"/>	Industry Innovation	Used: 166/200
<input checked="" type="checkbox"/>	Manufacturing and Production	Used: 131/200

Granting Roles for one or several members

- ▶ In Platform Management Dashboard or in Members and Roles app



b. Grant a role to one or more members

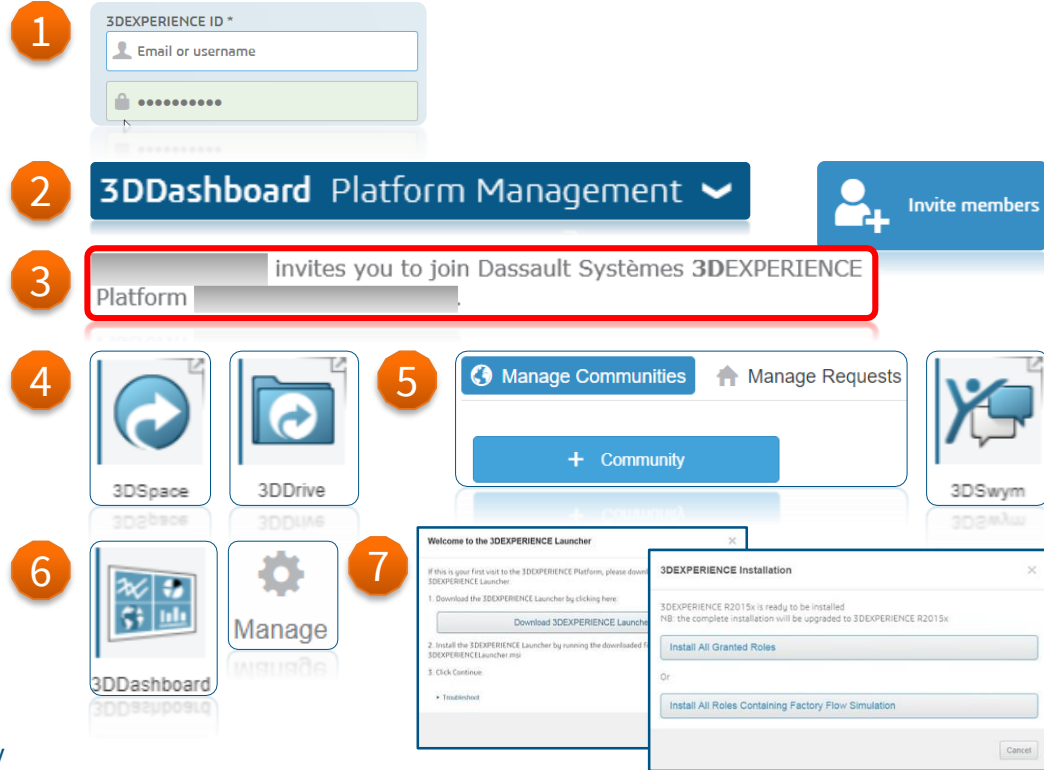
The screenshot shows the 'Design and Engineering' role configuration page. It is divided into two main sections. The left section, labeled '1', shows the role's usage: 'Design and Engineering' with a 46% progress indicator, 97 apps, 138/300 used, and an expiration date of 3/4/18. The right section, labeled '2', shows the 'Design and Engineering - UXD' role configuration page. It has a 45% progress indicator and an expiration date of March 4, 2018. Below the progress indicator are tabs for 'Members', 'Apps', and 'About'. The 'Members' tab is active, showing a list of users with checkboxes. The 'View all other users' button is highlighted. The list of users includes Student15 (checked), Student16 (unchecked), Student17 (unchecked), Student18 (checked), and Student19 (checked). The '3' label points to the Student16 row.

Member	Checked
Student15 Student15	<input checked="" type="checkbox"/>
Student16 Student16	<input type="checkbox"/>
Student17 Student17	<input type="checkbox"/>
Student18 Student18	<input checked="" type="checkbox"/>
Student19 Student19	<input checked="" type="checkbox"/>

User & Data management – Method 1

Individual users:

1. Admin connect to 3DEXPERIENCE
2. Admin invite users and grant roles
3. **Users must accept the invitation**
4. Admin/Users Manage data access
 - a. Create collaborative spaces
 - b. Add members to the collaborative spaces
 - c. Create 3DDrives
 - d. Add members to 3DDrives
5. Admin manage SWYM communities
 - a. Create communities
 - b. Add members to the communities
6. Admin/Users Manage Dashboards
 - a. Prepare Dashboard(s)
 - b. Add members to Dashboard(s) or share a copy
7. Each user can install the rich app on their own device



User & Data management - Method 2

Using Groups:

1. Admin connect to 3DEXPERIENCE
2. Admin invites users without granting roles
3. Admin/Champion/Users: create/import groups
4. Admin manages roles: add groups to roles
5. Admin/Champion/Users manage data access
 - a. Create collaborative spaces
 - b. Add group(s) to the collaborative spaces
 - c. Create 3DDrives
 - d. Add group(s) to 3DDrives
6. Admin manages SWYM communities
 - a. Create communities
 - b. Add group(s) to the communities
7. Admin/Champion/User manage Dashboards
 - a. Prepare Dashboard(s)
 - b. Add group(s) to Dashboard(s) or share a copy to users
8. **Users accept the invitation**
9. Each user can install the rich app on their own device

1 3DEXPERIENCE ID *
Email or username
.....

2 **Preferred Method**
3DDashboard Platform Management
Invite members

3 User Groups

4 Collaborative Industry Innovator
20 apps | Used: 684/1000 | Expires: 3/31/21
68%

5 3DSpace 3DDrive

6 Manage Communities Manage Requests
+ Community

7 3DDashboard Manage

8 Platform invites you to join Dassault Systèmes 3DEXPERIENCE

9 3DEXPERIENCE Installation
3DEXPERIENCE R2015x is ready to be installed
NB: the complete installation will be upgraded to 3DEXPERIENCE R2015x
Install All Granted Roles
Or
Install All Roles Containing Factory Flow Simulation



3DEXPERIENCE®

Administrators Onboarding

Computer Software Installation

Types of Applications

► 2 types of applications

- ▷ Web apps Requires only a web browser (Chrome, Firefox, IE, not MS Edge)
No installation required
- ▷ Rich Apps Runs in the Native Clients - CATIA, SOLIDWORKS, SIMULIA, DELMIA -
Mainly for 3D modeling, drafting, manufacturing, and simulation
Installation is mandatory on the computer

To be downloaded and installed locally, on all computers
A Rich Apps installation tool is included in **3DEXPERIENCE**
Requires Admin rights on the computer for the first installation

Referred to as rich apps
All apps are installed in one step






Administrator – Getting started

3. [Check Hardware/Software Prerequisites](#)
4. Test your compatibility with the [Test Your Compatibility tool – Cloud Eligibility](#)

Note: The *Eligibility* tool makes some hardware validations against published certified hardware. Failing one of the test does not mean it is not compatible: multiple configurations are able to run 3DEXPERIENCE.

Machine Name
DELL169CEM

Configuration Specifications

Check	Expected Prerequisites	Actual Specifications	Status
 Hardware and Software Configurations	DS Certified Hardware	Manufacturer and Model: Dell Inc. Precision T5810	✓
		OS Name: Microsoft Windows 10 Enterprise 64-bit	✓
		Graphic Card Name: NVIDIA Quadro K2200	✓
		Graphic Card Driver Version: 391.03	✓
 Java Version	Support Policy for JAVA	Java version: "1.8.0 - 181"	✓
 User Role	Administrator privilege elevation expected for Rich Apps installation	Logged-in User Z07 has "Administrator" role	✓
 Previous Installations	No previous V6/3DEXPERIENCE installations must be present on client machine	3DEXPERIENCE and V6 Installations are not present on client machine	✓
 Network Firewall	At least one of the following ports must be available/accessible: 20300, 33200 or 40600	At least one port is available/accessible	✓

Administrator – Getting started

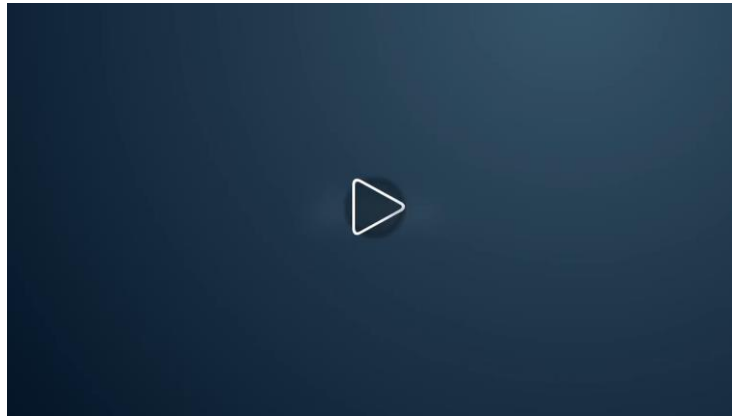
5.1 Download and install the native client of 3DEXPERIENCE

– for CATIA, SOLIDWORKS SIMULIA, DELMIA apps –

(download and install once from 3DEXPERIENCE via an related app,
Admin rights needed on the computer)

a. Download and install 3DEXPERIENCE Launcher

b. Download and install 3DEXPERIENCE Rich Apps



[Native Apps installation](#)



Administrator – Getting started

5.2 Download and install 3DEXPERIENCE

(computer lab deployment, download installation media from 3DEXPERIENCE via *Platform Management* Dashboard, Admin rights needed on the computer)

Install 3DEXPERIENCE Platform native Apps on all your computers simultaneously

See

DS_WhitePapers_3DEXPERIENCE_on_the_Cloud_Native_Apps_Batch_Installation_R2021x_FD01_HF5_V1.0

- **Note:** the installation of 3DLauncher is not yet included in the procedure

Here is a code line that can guide you (please, validate the code on your side with your IT team, for R2021x):

```
"%~dp0HF_NativeApps_3DEXP_Cloud.Full-CP0359V6R2021x.HF0.12.Windows64\HF_NativeApps_3DEXP_Cloud.Full.Windows64\1\StartTUI.exe" --silent "%~dp0UserIntentions.xml" --var d:\B423_Cloud  
msiexec /i "%~dp03DEXPERIENCELauncher.msi" /qn
```




Installation procedure

3DS.COM © Dassault Systèmes | Confidential information | 3/25/2021 | ref.: 3DS_Document_2015



Refer to *3DEXPERIENCE Rich App Installation - IT - EN* for detail installation instructions

[Platform Setup - 19min27](#)





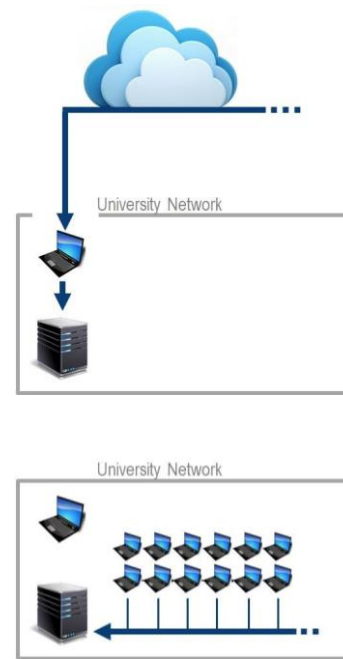
Installation procedure

- ▶ Make sure that Java 32bit is installed on the PC
- ▶ Connect to the platform (eu1-academia-ifwe.3DEXPERIENCE.3ds.com)
- ▶ Using the Compass, launch a CATIA related app

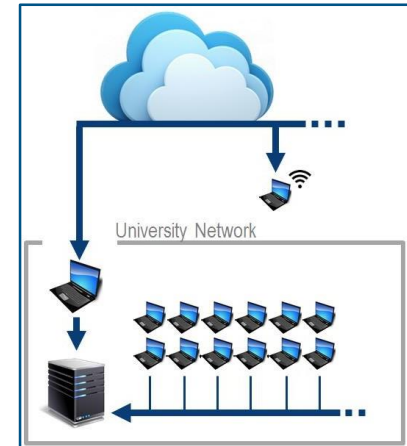
- Download and Install the 3DEXPERIENCE Launcher, Continue
- Download and Install the 3DEXPERIENCE rich apps program
- Install/update all roles (first option)
- No connectors (last option)

Sharing installation files among multiple users

- ▶ Do the first install normally with Admin rights
- ▶ Create a shared network folder, with Read **and** Write access to all users who need to install the rich app
- ▶ Other installations are done by the end users with Admin rights, using the standard process
 - ▷ The rich app is not downloaded from the cloud but directly from the shared folder



 **Optional**



Sharing installation files among multiple users

3DDashboard Platform Management

My Platform Members Content Dashboards Vocabularies Legal Search

Members Control Center - SPACE CHALLENGE - Academia

Invite & Grant Roles Manage Requests Import Members Configure Members Invitations **Configure Apps Installation**

- Full: 3DEXPERIENCE R2019x HotFix 2
- Delta: 3DEXPERIENCE R2019x HotFix 2

3DEXPERIENCE Drive for Windows installation

- Full: 3DEXPERIENCE R2019x HotFix 3
- Delta: 3DEXPERIENCE R2019x HotFix 3

Network installation files storage

If your platform has multiple users, use this field to minimize the download time for installation files. Each time a user installs an app, the 3DEXPERIENCE platform looks for the needed files in this folder and use them if found. Files that are not found in the folder will be downloaded and added to the folder for future use.

Enter a network folder UNC in the format \\ComputerName\SharedFolder

Network path (Please note that users must have Read/Write access to this folder)

Save Cancel

Legal Information About 3DEXPERIENCE platform Privacy Policy



3DEXPERIENCE®

Administrators Onboarding

Support & Troubleshooting

Sources of support

► For Admin and approved instructors

- ▷ [Service requests – SR](#)
- ▷ Technical Support provided to the academic institution in the context of educational activities
- ▷ Knowledge base
support.3ds.com/knowledge-base/

► For instructors

- ▷ [3DEXPERIENCE Edu | Academics](#)
- ▷ Access controlled, request to be added to the community
- ▷ For mentoring, best practice sharing

► Users Communities

- ▷ Technical content, discuss with peers
- ▷ www.3ds.com/support/users-communities/

► For students

- ▷ [Support community](#) for 3DEXPERIENCE support
- ▷ If students need support in the context of an educational activities, they should work with their admin and/or instructor
- ▷ Support provided to individuals
- ▷ support.3DSAcademy@3ds.com

Student support

- ▶ Students can get direct support on this [Support community](#) for 3DEXPERIENCE support



Instructors communities

- ▶ Instructors can find valuable information directed to them on this [3DEXPERIENCE Edu | Academics](#) community



Support
Join the user community



3DSupport App Access from 3ds.com/support

The screenshot displays the 3ds.com/support website. At the top left is the Dassault Systèmes logo. The navigation menu includes: INDUSTRIES, PRODUCTS & SERVICES, HOW TO BUY, SUPPORT, TRAINING, PARTNERS, EVENTS, and ABOUT 3DS. A search icon and a user profile icon are in the top right. Below the navigation is a breadcrumb trail: HOME > SUPPORT >. The main heading is "Support". Below it is a search bar with the text "Search our Knowledge" and a subtext: "Optimize your search and find out up to date Technical Knowledge: Questions & Answers, User's Guide, Developer's Guide, Best Practices and more." The search input field contains the placeholder "Enter your search here..." and a "Search" button. Below the search bar are three icons: "Call us" (phone), "Submit a request" (document with checkmark), and "Twitter" (Twitter bird). The main content area features five cards: "DOCUMENTATION" (book icon), "DOWNLOAD" (download arrow icon), "HARDWARE and SOFTWARE" (monitor icon), "KNOWLEDGE BASE" (lightbulb icon), and "COMMUNITIES" (group of people icon). Each card has a brief description. At the bottom, there are three sections: "Policies & Offers", "3DEXPERIENCE platform on cloud", and "Specific support".

3DSupport App Access from 3ds.com/support

Choose your application to submit a request



Preferred Method

3DSupport Application



The 3DSupport application is the new support tool based on 3DEXPERIENCE platform technology. It provides a new user experience for submitting and managing requests. If you are a new customer, you must use this application. For any question you can [contact us directly](#).

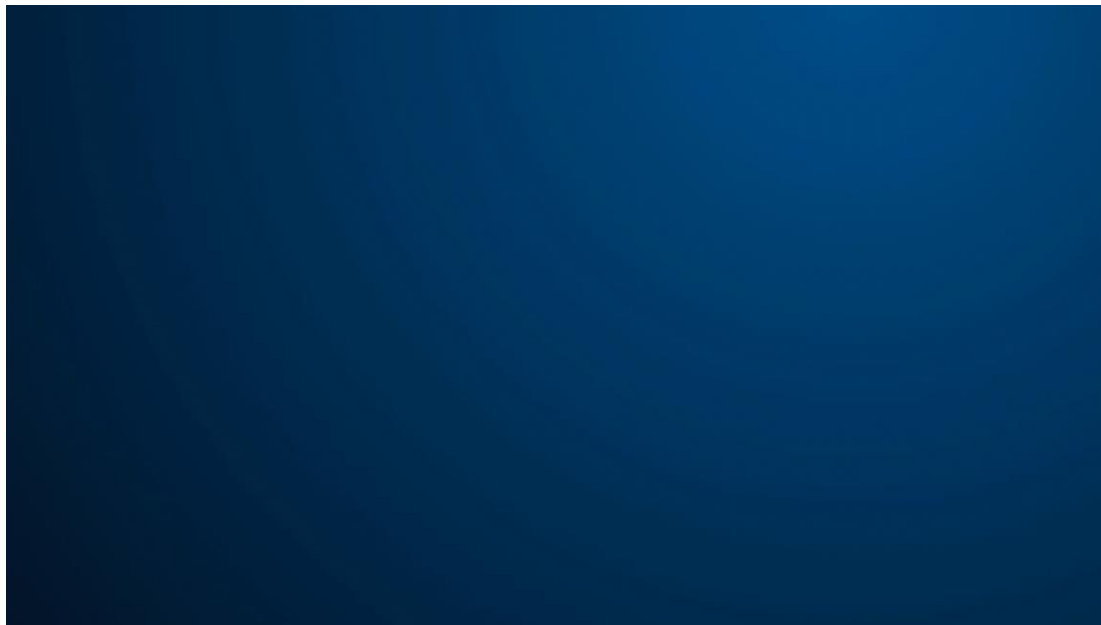
DSx.Client Care



The DSx.Client Care is the traditional tool to submit and manage requests. Use this tool if you previously opened Service Requests with Dassault Systemes Support. (If you are a **BIOVIA** customer, you should not use DSx.Client Care – please use the 3DSupport Application)



How to open a [SR with the Support app](#)



[Service Request Management - Video tutorials when using the app](#)

3DSupport Access from 3ds.com/support

Choose your application to submit a request

3DSupport Application



The 3DSupport application is the new support tool based on 3DEXPERIENCE platform technology. It provides a new user experience for submitting and managing requests. If you are a new customer, you must use this application. For any question you can [contact us directly](#).

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How to open a SR with Client Care



[DSx.Client Care - Video Tutorial](#)

Customer Success Offers

		SECURE	ADVANTAGE	+	PREMIUM
Foster Project Success	Installation Doc & Best Practices	✓	✓		
	Major & Minor Releases	✓	✓		
	Configuration Healthcheck				✓
	Customer Success Advocate				✓
Maximize Productivity	Online Resources & User's communities	✓	✓		
	Case Management (Defect)	✓	✓		
	Case Management (Non Defect)		✓		
	Phone Assistance 8x5		✓		
	24x7 Mission Critical				✓
	Dedicated Technical Expert				✓
	Optimized System Availability				✓
	Improved Performances				✓
Prepare the future	Support Duration - 3 years	✓	✓		
	Access to Beta Program on Cloud				✓
	Extended support Duration - 4 years				✓

Education - ADVANTAGE Services



Benefit

Features

Service Overview

Foster Project Success

Get ready to start project

Empower users



Installation Doc & Best Practices



Major & Minor Releases



Online Resources & User's communities

- Complete and updated White Papers about installing 3DEXPERIENCE Platform, managing security, data migration. (Written by DS experts)
- 17 releases maintained simultaneously.
- A new major release every year
- A new Minor release every 8 weeks
- Online Documentation, Release Notes
- More than 200.000 articles within Knowledge Base
- User's Communities by BRAND

Maximize Productivity

Ensure continuity



Case Management (Defect-Non Defect)



Phone Assistance 8x5

- Online Case Submission, First answer within 2 hours (for Urgent)
- 7 call centers covering Worldwide, 7 languages spoken

Prepare the future

Secure ROI

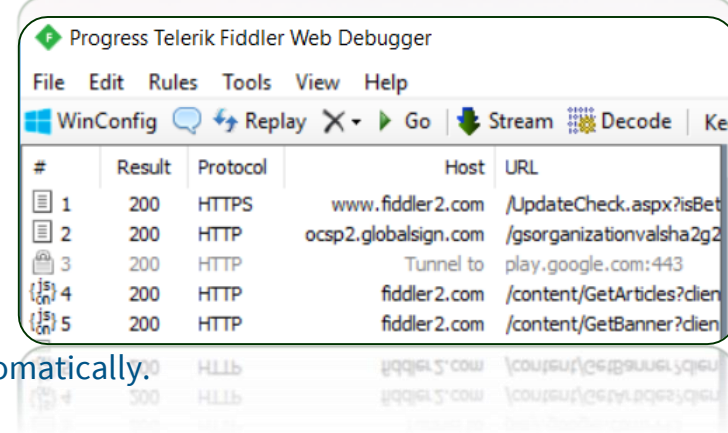
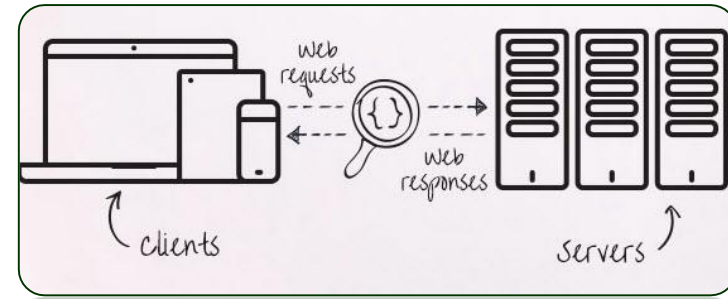


3 Years of Support Duration

- 3 years of support granted after GA Date + 1 optional year of Support for fee (ALC + 10%)

Collect network traces

1. Install the fiddler tool www.telerik.com/fiddler
2. Configure fiddler tool
 - ▷ From the top bar of the fiddler tool go to Tools/Option
 - ▷ Select the HTTPS tab
 - ▷ Select: "Decrypt HTTPS traffic" and "Check for certificate revocation"
 - ▷ Validate ("OK") to close the window
 - ▷ Close the Fiddler Window
3. Start fiddler traces capturing
 - ▷ Open and connect on the 3DEXPERIENCE Platform
 - ▷ Launch the Fiddler program. Its starts data capture automatically.
 - ▷ Perform the scenario
 - ▷ Use F12 to stop the capture
 - ▷ Save all the session (from the top bar of the fiddler tool go to File/Save/All Sessions...)
4. Attach saved traces, your .SAZ file, to the SR



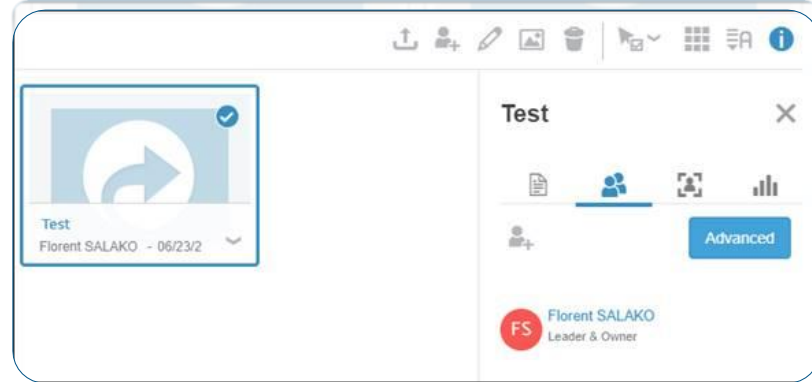
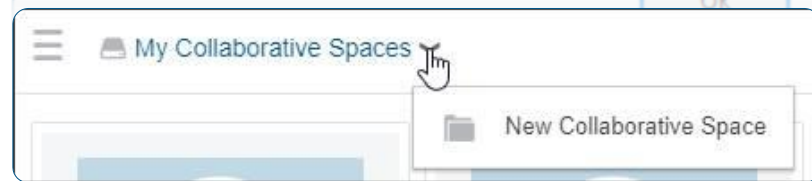
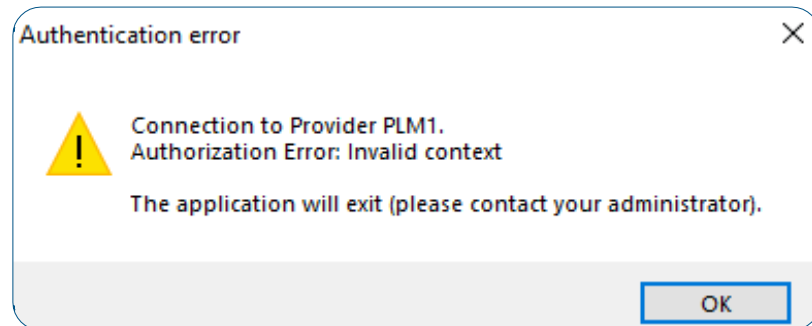
Note: this tool captures network activities of ALL active programs, including passwords if active when connecting. It is recommended to close all other programs

Common error

- When launching a CATIA or SIMULIA or DELMIA app, a user get the an Authentication error message



- The student/user does not have access to a at least one Collaborative space
 - ▷ Either the student create its own collaborative space (if allowed).
 - ▷ Either the admin created one add him to a collaborative space.



Tips and tricks 1/4

▶ 3DXML files of Materials to import

- ▷ C:\Program Files\Dassault Systemes\B423_Cloud\win_b64\resources\materials

▶ Dymola libraries

- ▷ C:\Program Files\Dassault Systemes\B423_Cloud\win_b64\resources\DBM_Libraries\3DXMLData

▶ Dymola C-Compiler path

- ▷ C:\Program Files (x86)\Microsoft Visual Studio\2017\Professional\VC\Auxiliary\Build

▶ Releasing Native App (WU) roles of users not a member of the Platform any more (to release roles that are locked)

- ▷ support.3ds.com/knowledge-base/?q=QA00000057118

▶ Standard parts

- ▷ partsupply.3dexperience.3ds.com/welcome
- ▷ www.3dcontentcentral.com/Default.aspx

▶ Collaborative lifecycle basics and delete a part in a collaborative space

- ▷ youtu.be/98FHOJYhs-E?t=635

▶ How to delete multiple data and items in a collaborative space

- ▷ <https://youtu.be/QFOSXdvOmf4>

Tips and tricks 2/4

► Clean 3DX Cache

- ▷ C:\Users\USER\AppData\Local\DassaultSystemes
- ▷ rmdir /s /q
!LOCALAPPDATA!\DassaultSystemes\CATCache
- ▷ rmdir /s /q
!LOCALAPPDATA!\DassaultSystemes\CATTemp

► To Delete installation files: clear the following folder

- ▷ C:\ProgramData\DassaultSystemes\3DEXPERIENCE\Launcher\defaultDataStore
- ▷ C:\Program Files\Dassault Systemes (to delete previous version, uninstall first)

► 3DEXPERIENCE R2019x: no alternative to Oracle Java.

Starting 3DEXPERIENCE R2020x:
AdoptOpenJDK as a "free" Java
alternative to Oracle Java

► Recommended NVIDIA drivers:

- ▷ www.nvidia.com/object/dassault_certified_drivers.html

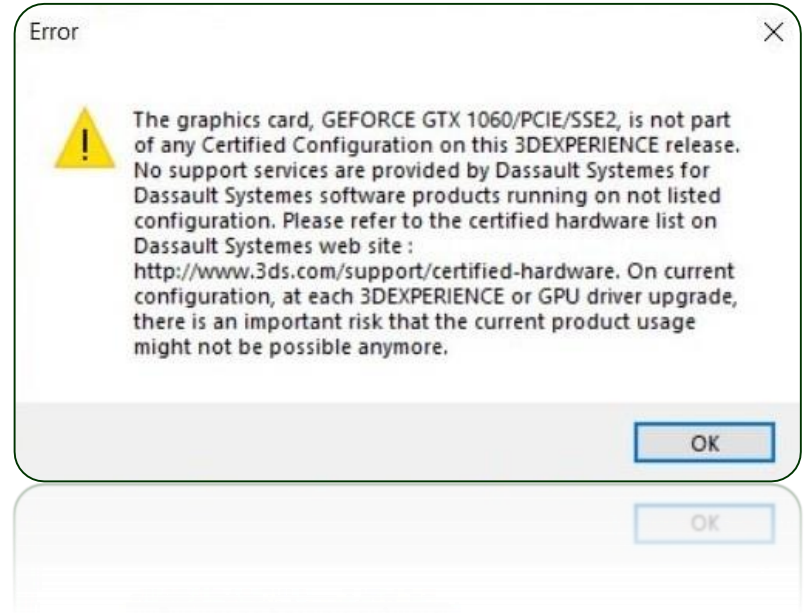
▷ The driver version 419.17

► 3DEXPERIENCE release notes:

- ▷ r1132100503382-eu1-3dswym.3dexperience.3ds.com/#community:4/wiki:1d4N6xSGQMKRTwat2uJ7ng

Tips and tricks 3/4

- ▶ A not certified graphic card does not mean that the graphic card is not compatible
- ▶ If you want to avoid the message about your not certified graphic card, you can add this variable to your CATIA environment file (C:\Program Files\Dassault Systemes\B423_Cloud\CATEnv\Env.txt):
:
▶ CATForceNotCertifiedGraphics=1



Tips and tricks 4/4

- ▶ If needed, the launcher can be downloaded individually:
 - ▷ www.3ds.com/support/documentation/resource-library/single/3ds-launcher/

Connect with EDU

Support.3DSAcademy@3ds.com



[Support community](#) for 3DEXPERIENCE students users



[Academic user community](#)



3DEXPERIENCE®



3DEXPERIENCE Edu



@3DXEdu



3ds.com



3DEXPERIENCE Edu



Dassault Systèmes



@3DXEdu



3DEXPERIENCE®

Administrators Onboarding

3DEXPERIENCE Architecture

Introduction to 3DX architecture – Public Cloud



IaaS

Infrastructure as a Service

Hosting of servers, **storage** of computer resources and making them available on the Internet for running the **3DEXPERIENCE** platform (outsourcing of the physical infrastructure)



PaaS

Platform as a Service

Deployment, supervision, and operation services for the **3DEXPERIENCE** platform (outsourcing of the physical infrastructure, applications and data)



SaaS

Software as a Service

3DEXPERIENCE platform **applications** and **experiences** (management of the installation, configuration, operation and maintenance of the interface)

Introduction to 3DX – On Premise & Cloud

On-Cloud



3DEXPERIENCE

3DEXPERIENCE Platform
as a Service - PaaS

Public Cloud & Private Cloud
EDU: Public Cloud only



Designed for Optimal
Total Cost of Ownership

On-Premise



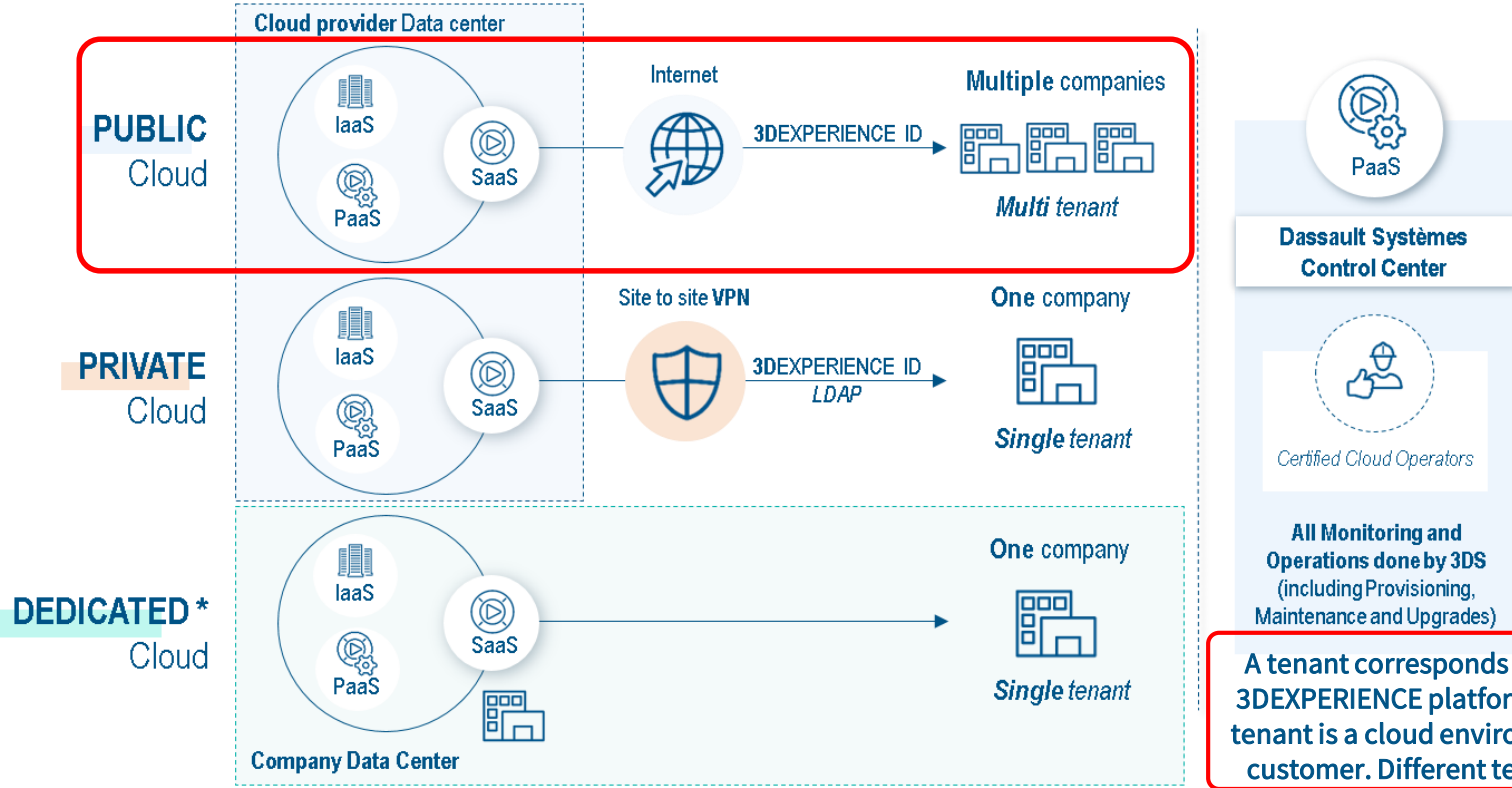
3DEXPERIENCE

3DEXPERIENCE platform
Centralized Architecture

















Designed for Maximum
Flexibility in Deployment

Introduction to 3DX architecture – Public Cloud



A tenant corresponds to a specific access to a 3DEXPERIENCE platform for a group of users. A tenant is a cloud environment dedicated to one customer. Different tenants are *blind* to each other.

Introduction to 3DX architecture – Public Cloud

	3DEXPERIENCE Public Cloud		3DEXPERIENCE Public Cloud
	Hardware	IaaS (DS) shared between customers	
	Operated by	3DS Certified Cloud Operator	
	Location of Data (Education data centers)	Assigned by 3DS to one of the platform locations - 3DS Certified Cloud Provider Data Center (US West, US East, Europe, AP Tokyo, AP Singapore, India) - 3DEXPERIENCE live status	
	Distributed File Storage (file replication)	Native using any 3DS data centers	
	Virtualized Platform	Shared across multiple customers	
	Virtualized Storage	Logical partitioning to keep each client's data separate and secure	
	Cross institutions Collaboration	Native for other public cloud users (upon invitation)	
	Network Access	All 3DEXPERIENCE apps and services accessed securely over public internet	
		User Authentication	Shared 3DPassportService – Manual 2 factors Authentication
		3DEXPERIENCE Update management	Managed globally by Dassault Systèmes
		Configuration capabilities	Baseline behavior + Organization modelling + EKL (knowledge) + Additional App widgets development
		Network Security	Client communication secured via https/tls using 128-bit encryption
		Paas and SaaS Security	Security auditing, vulnerability scans and live alerts of security events
		IaaS Security	Continuous monitoring and risk assessment of vulnerabilities

3DEXPERIENCE Cloud EDU Data Centers



Public cloud is a network of Data Centers offering a global experience to Dassault Systèmes customers

3DEXPERIENCE basic services - Cloud

3DEXPERIENCE Platform: 9 Logical Services

3DPassport
Service

3DDashboard
Service

3DSwym
Service

6WTag
Service

3DSpace
Service
(ENOVIA V6)

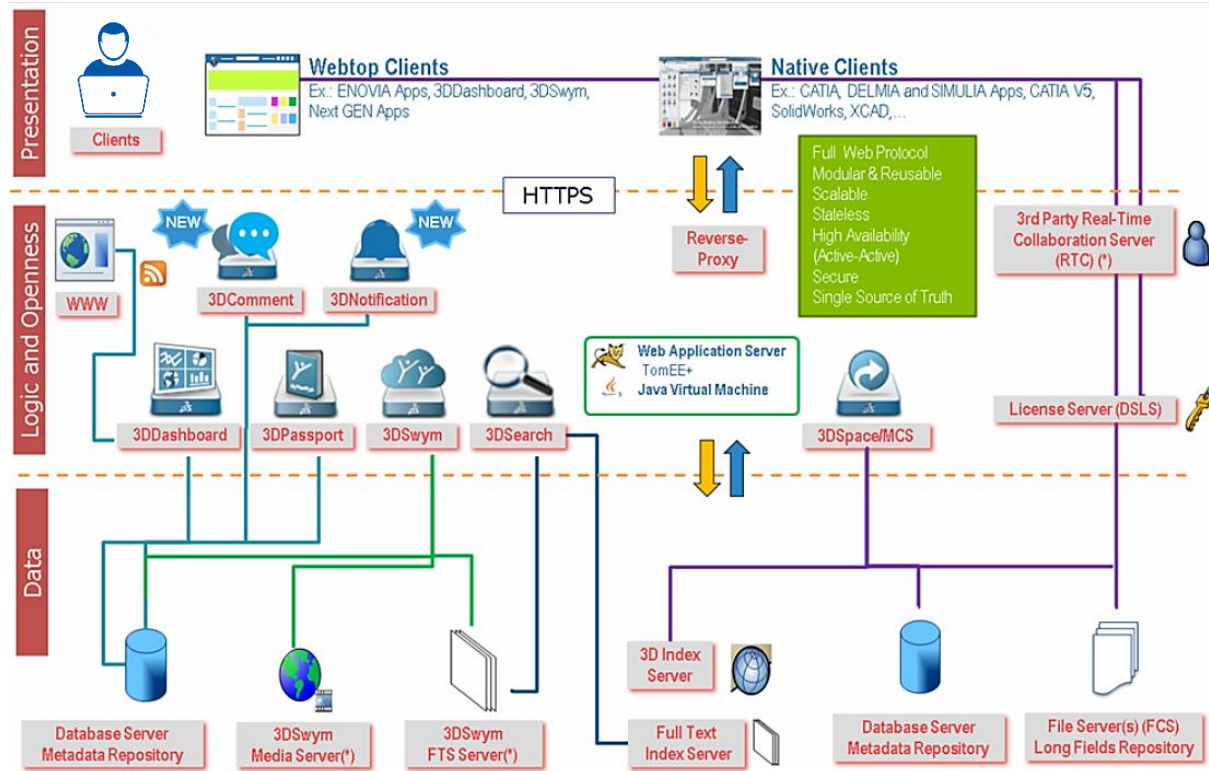
3DCompass
Service

License Control
Service

3DNotification
Service

3DComment
Service

3DEXPERIENCE n-Tier Web architecture



Online trainings for administrators

- ▶ Basics tasks (for every user that is an admin on 3DEXPERIENCE, IT, students and academic members)
 - ▷ [3DEXPERIENCE Open Cloud Essentials](#)

- ▶ Advance training (for IT members)
 - ▷ [3DEXPERIENCE Platform Architecture Essentials](#)



3DEXPERIENCE®

Administrators Onboarding

Resources

Resources - Links summary

Access point to 3DEXPERIENCE EDU (worldwide)	eu1-academia-ifwe.3dexperience.3ds.com/
3DS Academy YouTube channel	www.youtube.com/user/3dscampus/playlists
Lean online - 3DS Learning Space	eduspace.3ds.com/
Lean online	edu.3ds.com/en/learn-online
MySOLIDWORKS	my.solidworks.com/account/student-access
Sponsored Challenges	edu.3ds.com/en/challenges
3DEXPERIENCE Learning Hub virtual visit	lab.academy.3ds.com/learning_hub/virtual_visit/index.html
Guide to virtualize a lab	edu.3ds.com/en/lab/virtual-laboratories
Certifications	edu.3ds.com/en/be-recognized
Academic certification program	edu.3ds.com/en/be-recognized/academic-certification-program
Certification Program	www.3ds.com/training/certification-program/
Digital badges	www.3ds.com/training/digital-badges/
Job place	edu.3ds.com/en/job-place
Student career resources	my.solidworks.com/students/careers

