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## **Platform & Digital Transformation**

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Value Added Services  
Authorized Training Center  
Service Provider Select

# Bảo mật thông tin dự án với môi trường dữ liệu chung của Autodesk



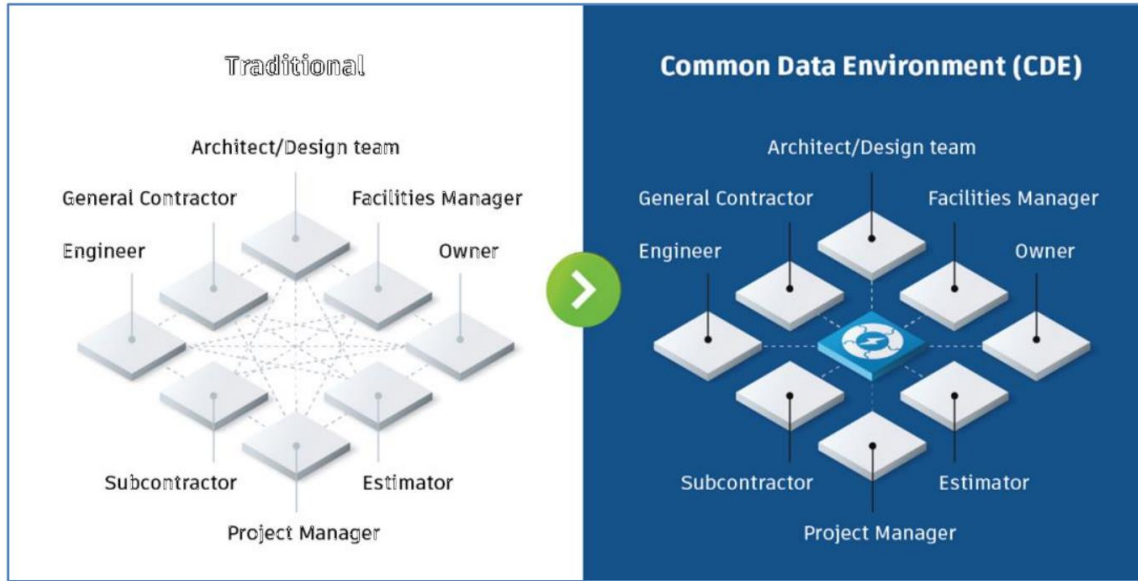
# NỘI DUNG

- An toàn dữ liệu trên Autodesk Construction Cloud (ACC)
- Một số chứng chỉ bảo mật mạng, hệ thống và Quản lý rủi ro mà hãng Autodesk đã đạt được

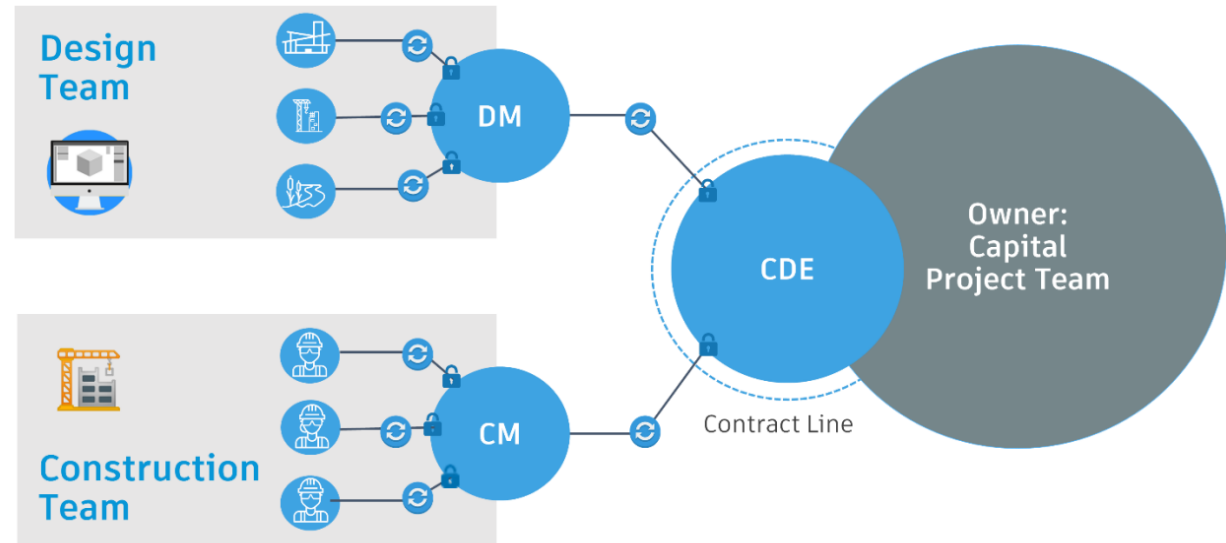


An toàn dữ liệu trên ACC

# Traditional to CDE



10.10.1.4	SMTP	72 S: 334 VxN1cm5hbWU6
74.53.140.153	SMTP	84 C: User: Z3VycGFydGFwQHhhdHJpb3RzLmlu
10.10.1.4	SMTP	72 S: 334 UGFzc3dvcmQ6
74.53.140.153	SMTP	72 C: Pass: cHVuamFiQDEyMw==
10.10.1.4	SMTP	84 S: 235 Authentication succeeded



# Whitelist links


Common (all modules)	Sheets	Files	RFIs	Submittals	Meetings
<ul style="list-style-type: none"> <li><a href="#">*.autodesk.com</a></li> <li><a href="#">*.autodesk.eu</a></li> <li><a href="#">*.plangrid.com</a></li> <li><a href="#">*.planfront.com</a></li> <li><a href="#">*.cloudfront.net</a></li> <li><a href="#">*.launchdarkly.com</a></li> <li><a href="#">*.segment.com</a></li> <li><a href="#">*.segment.io</a></li> <li><a href="#">*.bugsnag.com</a></li> <li><a href="#">*.solvvy.com</a></li> <li><a href="#">*.fullstory.com</a></li> <li><a href="#">*.newrelic.com</a></li> <li><a href="#">*.nr-data.net</a></li> <li><a href="#">*.pendo.io</a></li> <li><a href="https://plangrid.my.site.com">https://plangrid.my.site.com</a></li> <li><a href="https://u7990385.ct.sendgrid.net">https://u7990385.ct.sendgrid.net</a></li> </ul> <p>For European Data Center:  <a href="https://bim360-ea-ew1-prod-storage.s3.amazonaws.com/">https://bim360-ea-ew1-prod-storage.s3.amazonaws.com/</a></p> <p>For Americas Data Center:  <a href="https://bim360-ea-ue1-prod-storage.s3.amazonaws.com/">https://bim360-ea-ue1-prod-storage.s3.amazonaws.com/</a></p>	<p>See Common plus:</p> <ul style="list-style-type: none"> <li><a href="#">*.pubnubapi.com</a></li> <li><a href="#">*.autocad.com</a></li> <li><a href="#">*.googleapis.com</a></li> <li><a href="#">service.force.com</a></li> <li><a href="#">plangrid.my.salesforce.com/</a></li> <li><a href="#">*.salesforceliveagent.com</a></li> </ul>	<p>See Common plus:</p> <ul style="list-style-type: none"> <li><a href="#">*.pubnubapi.com</a></li> <li><a href="#">*.autocad.com</a></li> <li><a href="#">*.googleapis.com</a></li> <li><a href="#">service.force.com</a></li> <li><a href="#">plangrid.my.salesforce.com/</a></li> <li><a href="#">*.salesforceliveagent.com</a></li> </ul>	<p>See Common plus:</p> <ul style="list-style-type: none"> <li><a href="#">*.salesforceliveagent.com</a></li> <li><a href="#">*.pndsn.com</a></li> </ul>	<p>See Common plus:</p> <ul style="list-style-type: none"> <li><a href="#">*.salesforceliveagent.com</a></li> <li><a href="#">*.fullstory.com</a></li> <li><a href="#">*.pndsn.com</a></li> </ul>	

# CDN Autodesk

```
Pinging acc.autodesk.com [13.225.103.77] with 32 bytes of data:  
Reply from 13.225.103.77: bytes=32 time=28ms TTL=245  
Reply from 13.225.103.77: bytes=32 time=37ms TTL=245  
Reply from 13.225.103.77: bytes=32 time=43ms TTL=245  
Reply from 13.225.103.77: bytes=32 time=58ms TTL=245
```

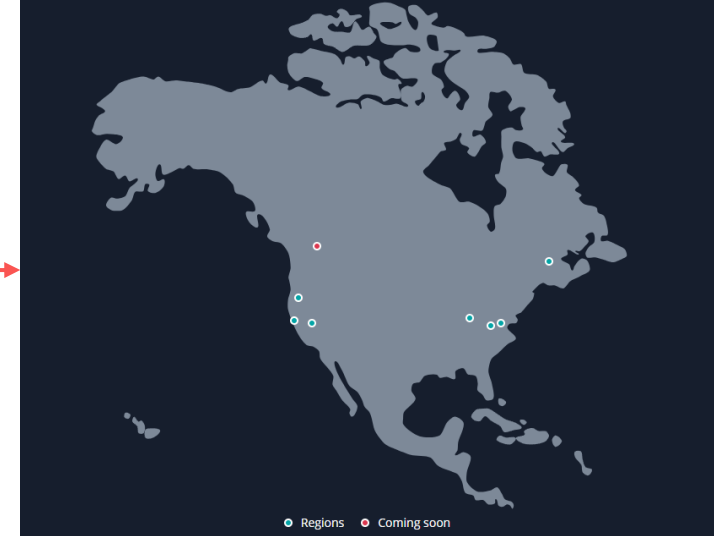
IP Details For: 13.225.103.77

Decimal: 232875853  
Hostname: server-13-225-103-77.hkg60.r.cloudfront.net  
ASN: 16509  
ISP: Amazon.com Inc.  
Services: Datacenter  
Assignment: XXXXXXXXXX  
Country: Hong Kong  
State/Region: Hong Kong  
City: Hong Kong



A map of Hong Kong showing the island and surrounding areas like Kowloon and Aberdeen. A red location pin is placed in the center of the island.



chunks



Upload files

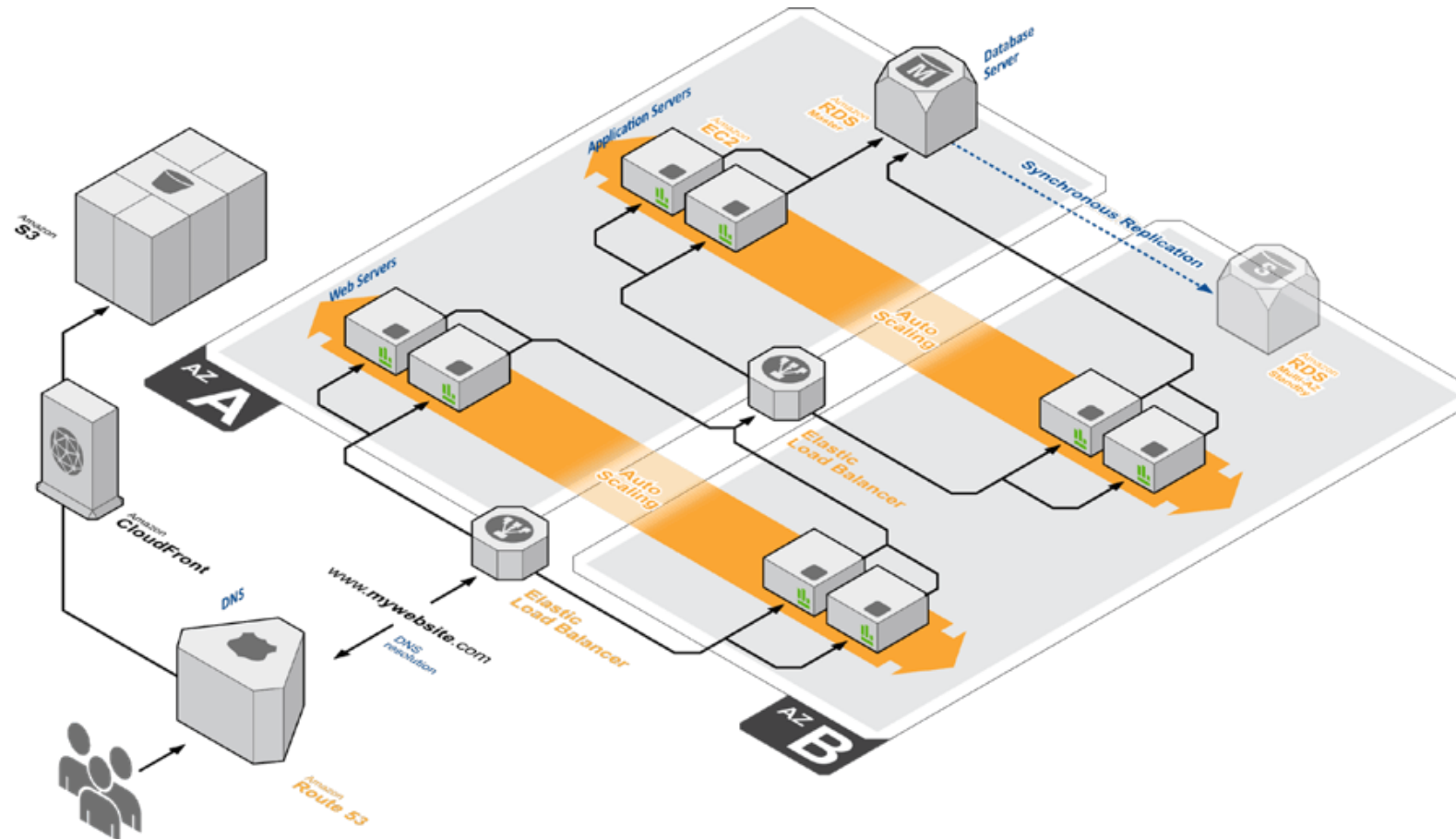
From your computer

1 file

 Toa Nha CT2.rvt	38.8 MB
	Processing



# Data flow



# HTTPS/TLS

The screenshot shows the Autodesk Construction Cloud interface with a 'Certificate Viewer' overlay. The interface includes a navigation bar with 'My Home', 'Projects', and 'Project Templates'. A 'Welcome, Hai' message is displayed. A 'Create project' button is visible. Below is a table of projects:

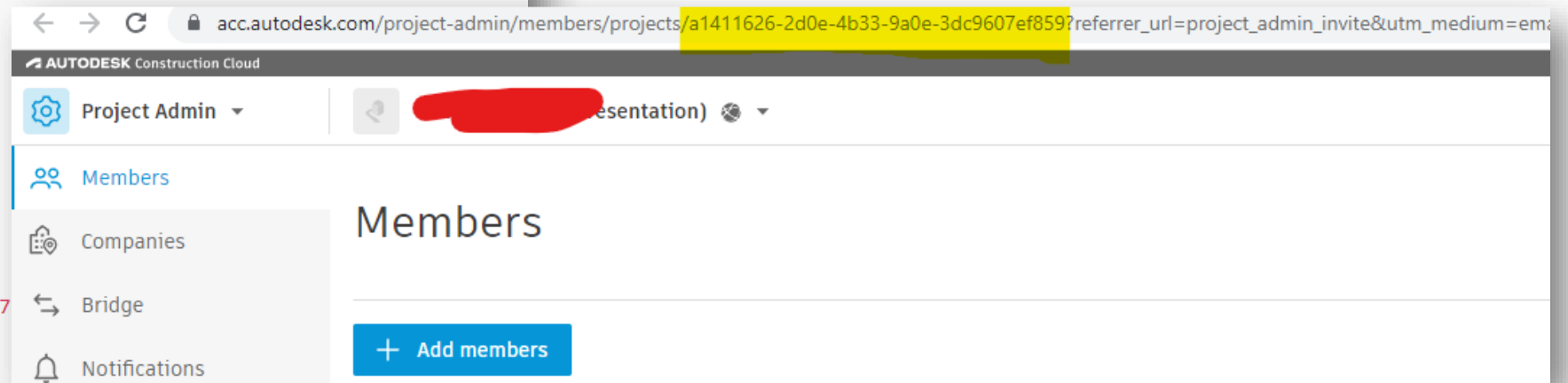
Type	Name	Number
	22-LA [REDACTED] AN	22-LA
	SampleProject (Presentation)	001

The 'Certificate Viewer' overlay shows the following details:

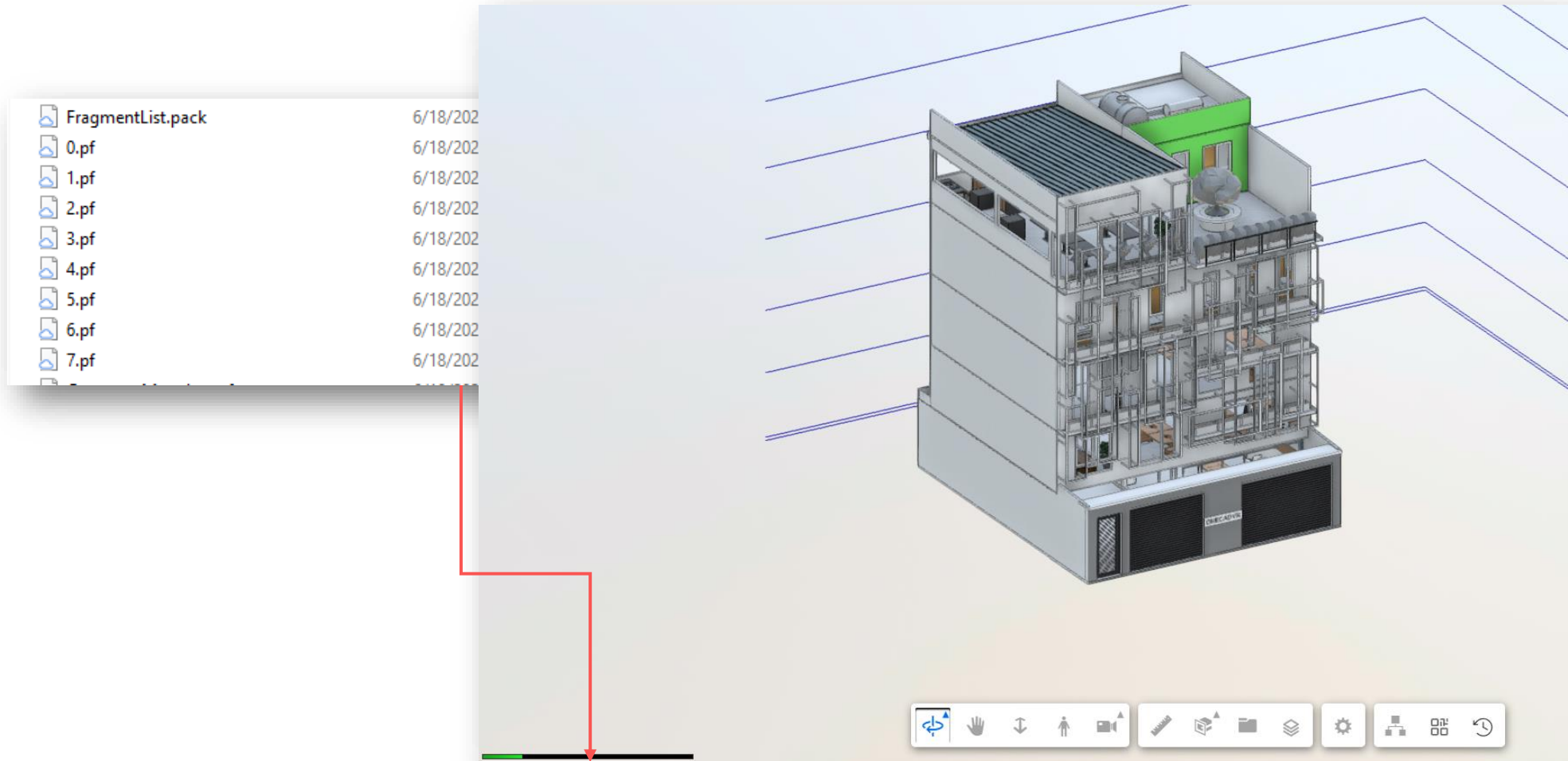
- General** | Details
- Issued To**
  - Common Name (CN): acc.autodesk.com
  - Organization (O): Autodesk, Inc.
  - Organizational Unit (OU): <Not Part Of Certificate>
- Issued By**
  - Common Name (CN): Kaspersky Anti-Virus Personal Root Certificate
  - Organization (O): AO Kaspersky Lab
  - Organizational Unit (OU): <Not Part Of Certificate>
- Validity Period**
  - Issued On: Monday, December 5, 2022 at 9:14:28 AM
  - Expires On: Monday, December 4, 2023 at 9:14:28 AM
- Fingerprints**
  - SHA-256 Fingerprint: 02 29 0E 4F 1E C3 97 6F 8A 68 88 68 7F 23 97 AA A4 46 0B B9 CB FA A2 02 AC DA D0 8D D8 72 FF FA
  - SHA-1 Fingerprint: 57 24 F5 81 EC 5E E2 6A C6 8A 58 2E FE 96 BA 51 B2 4C 63 36

# Mã hóa tên tài liệu

```
"hasThumbnail": "true",
"status": "success",
"progress": "complete",
"region": "US",
"urn": "dXJuOmFkc2sub2JqZWNoZm9yZ2UyYmxvZy1wb3N0L1VyYmFuSG91c2UtmjAxNS5yd",
"version": "1.0",
"derivatives": [
  {
    "name": "15.rvt",
    "hasThumbnail": "true",
    "status": "success",
    "progress": "complete",
    "outputType": "3d",
    "children": [
      {
        "guid": "23d0692d-03c2-9340-157b-6e4e7",
        "name": "3D Architectural",
        "hasThumbnail": "true",
        "role": "3d",
        "viewableID": "dd6bfe75-4db9-4a3c-9dd6-b44891f6a89a-000",
        "progress": "complete",
        "status": "success",
        "type": "geometry",
        "children": [
```

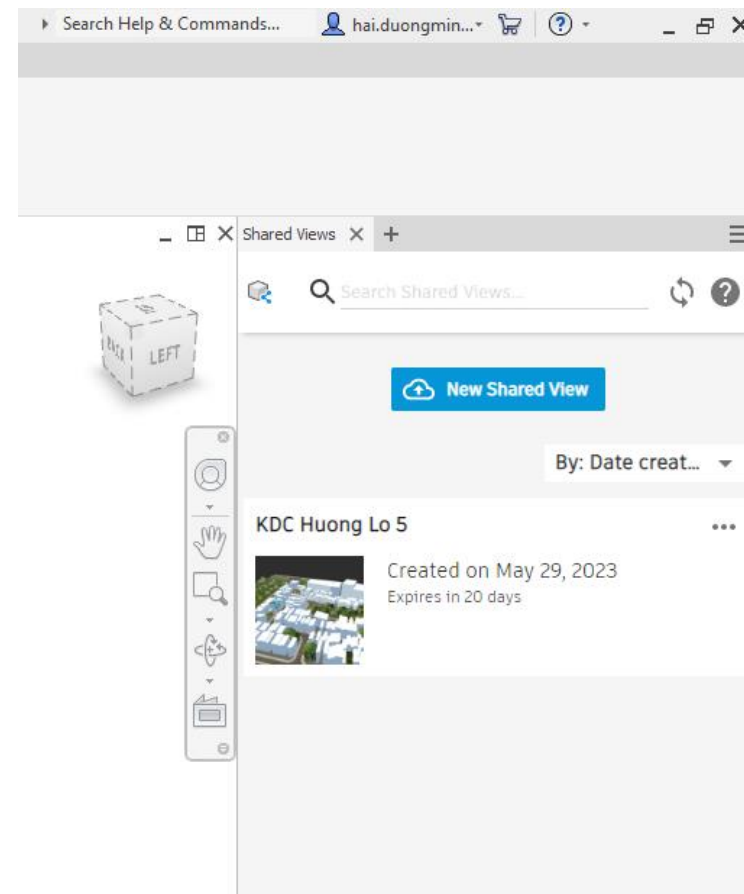
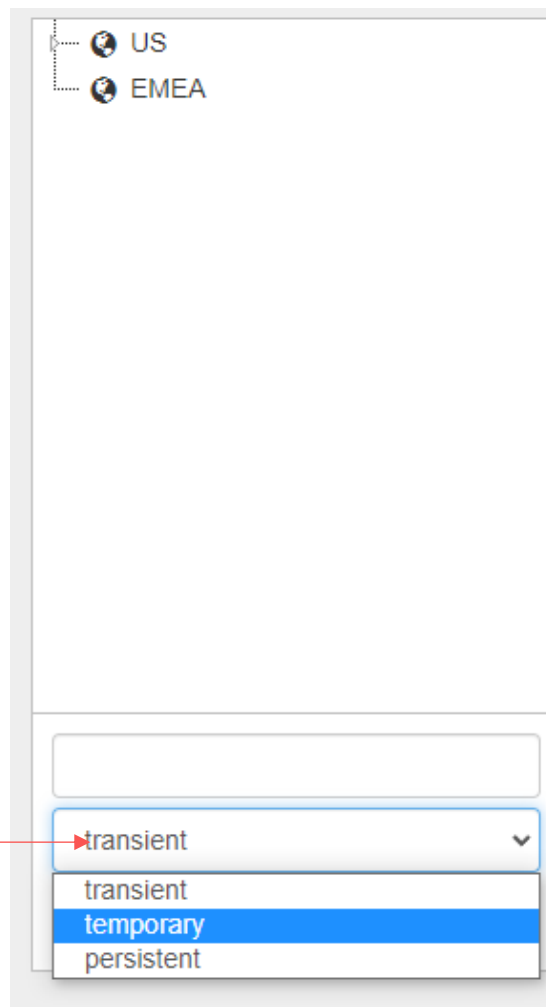


# Mã hóa các thông tin để render bản vẽ trên client



# 3 dạng tồn tại của dữ liệu trên ACC

```
{  
  "bucketOwner": "vwLkjpg7b0GUAvnIMvsm6GiJNfAH5ozz",  
  "createdDate": 1487279959073,  
  "permissions": [  
    {  
      "authId": "vwLkjpg7b0GUAvnIMvsm6GiJNfAH5ozz",  
      "access": "full"  
    }  
  ],  
  "policyKey": "transient"  
}
```



# Quản lý quyền truy cập và Kiểm soát phiên làm việc

## Đăng xuất tự động

accounts.autodesk.com/logon?resume=%2Fas%2F0ukVnclrCu%2Fresume%2Fas%2Fauthorization.ping&spentity=null#username

Sign in

Email

hai.duongminh@onecadvn.com

NEXT

NEW TO AUTODESK? [CREATE ACCOUNT](#)

The screenshot shows the Autodesk Account dashboard. On the left is a navigation menu with options: Home, Products and Services (expanded to show All Products and Services, Product Updates, Deployments, and Trials), and a search icon. The main content area displays a notification for a 'Single Sign On Component' update. The notification is highlighted with a red box and contains the following text: 'Single Sign On Component English-US Update 64-Bit', 'This update fixes issues related to sign-in experience, security and resiliency of Autodesk Single Sign On Component.', 'Released: Mar 30, 2020', 'Severity: High', and a 'Download' button. A red arrow points from this notification to the text 'IDP - Identity Provider' on the right.

IDP - Identity Provider

# Quản lý quyền truy cập và Kiểm soát phiên làm việc

## 2-step verification

### My profile and settings

- Personal information
- Security**
- Settings

#### Sign in

To access your account or secured Autodesk sites, you'll enter a username or email and a password. Changing this information changes how you'll sign in across these sites.

Username (required)	hai.duongminh@onecadvn.com	
Registered email (required)	hai.duongminh@onecadvn.com	
Password (required)	*****	

#### 2-step verification

An extra layer of security that requires a unique code during sign-in for account verification.

Off

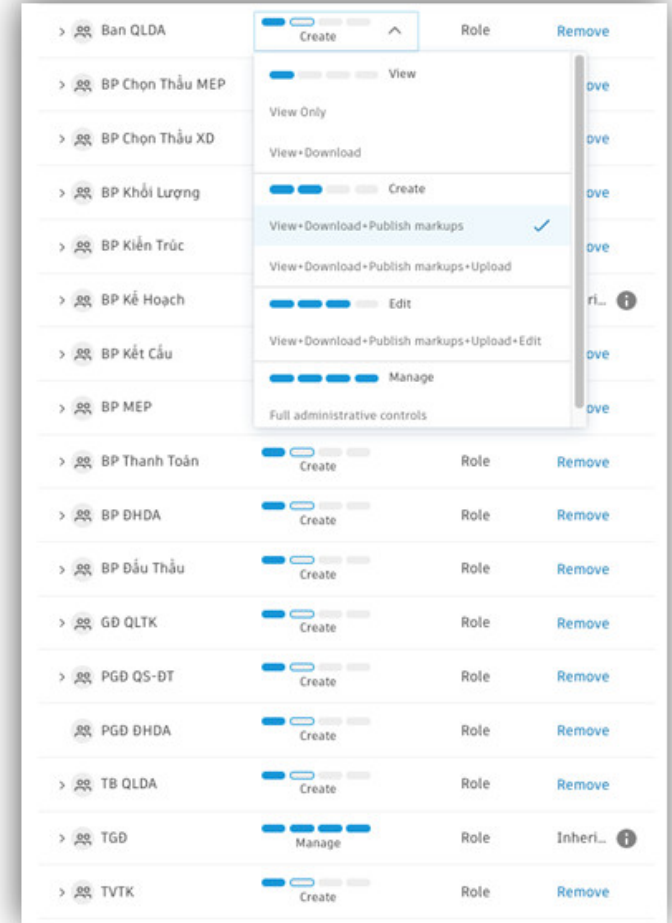
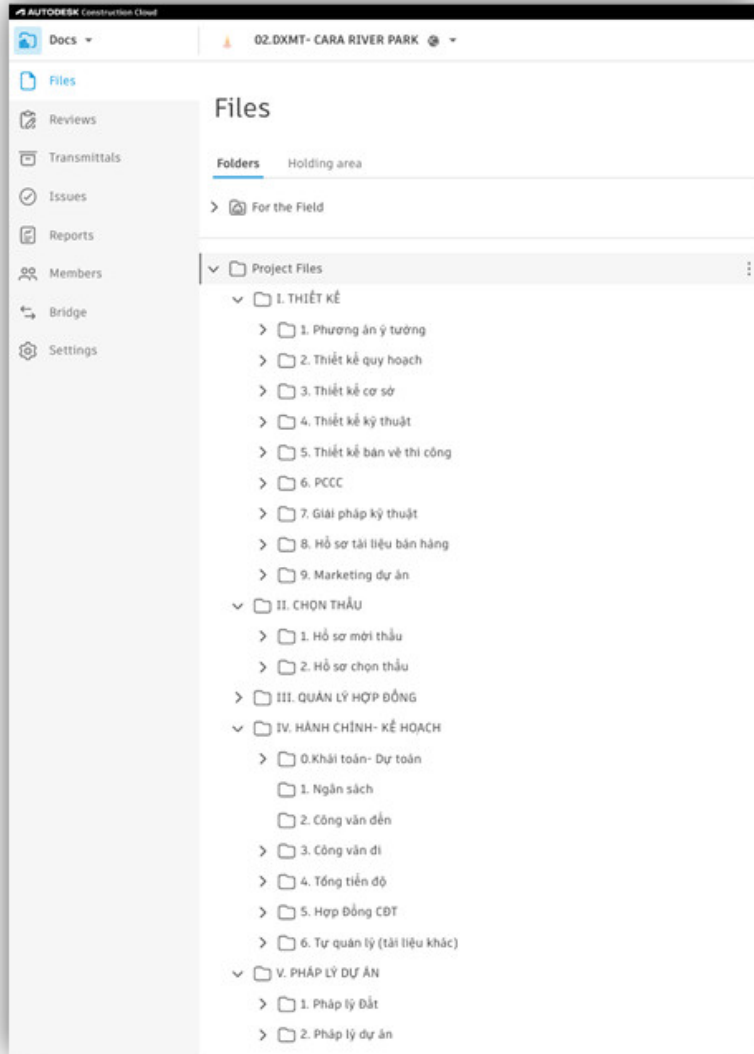
[Set up](#)

#### Personal access tokens

Allows Autodesk applications to authenticate APIs and run scripts on your behalf. The token is a secure alternative to exposing user credentials or signing in for automation.

[Generate](#)

# Phân loại tài liệu





# Lưu phiên bản chỉnh sửa của dữ liệu

SampleProject (Presentation)



Hai Duong Minh

## Files

Folders Holding area

- Project Files
  - 01. Thông tin đầu vào
  - 02. Giai đoạn thiết kế
  - 03. WIP
  - 04. Chia sẻ thông tin
  - 05. Lưu trữ
  - 06. Giai đoạn thi công

Upload files

<input type="checkbox"/>	Name ↑	Description	Phiên bản	Công ty
<input type="checkbox"/>	ARC_Model_R23.rvt			
<input type="checkbox"/>	BB-002.pdf			
<input type="checkbox"/>	Compare_ACC-BIM360.mp4			
<input type="checkbox"/>	Construction-CCEED-China-0644_with_overlay....			
<input type="checkbox"/>	Construction-Herrero Builders_HoloBuilder-43...			
<input type="checkbox"/>	Files log report.xlsx			
<input type="checkbox"/>	Floor Plan Sample.dwg			
<input type="checkbox"/>	MB CHỮA CHÁY TẦNG HẦM.pdf			
<input type="checkbox"/>	MEP (color).nwd			

## Version history

V5	Floor Plan Sample.dwg	Uploaded by Vu Hoang Nghi on Apr 19, 2023 6:49 AM	CURRENT
V4	Floor Plan Sample.dwg	Uploaded by Vu Hoang Nghi on Apr 19, 2023 6:48 AM	Make Current
V3	Floor Plan Sample.dwg	Uploaded by Vu Hoang Nghi on Feb 8, 2023 9:12 AM	Make Current
V2	Floor Plan Sample.dwg	Uploaded by Vu Hoang Nghi on Sep 15, 2022 1:31 PM	Make Current
V1	Floor Plan Sample.dwg	Uploaded by Vu Hoang Nghi on Sep 15, 2022 1:29 PM	Make Current

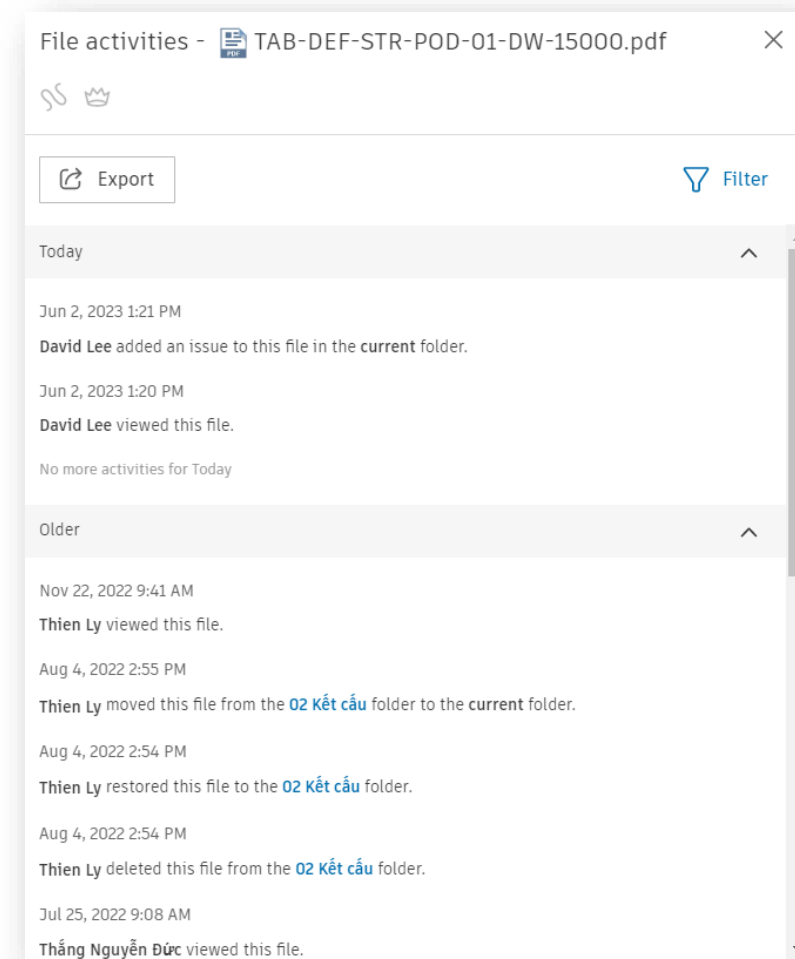
# Quản lý quyền truy cập và Kiểm soát phiên làm việc

User roles - Authen 2-legged

Quyền truy cập thông tin trên folder hoặc tệp tin của dự án

Phân quyền		Hành động
View	View only	Xem tài liệu, thêm private markup và tạo issues.
	View + Download	Xem và tải xuống tài liệu, thêm private markup và tạo issues.
Create	View + Download + Publish markups	Xem và tải xuống tài liệu, Publish markups và tạo issues
	View + Download + Publish markups + Upload	Xem, tải xuống, tải lên tài liệu, Publish markups và tạo issues.
Edit	View + Download + Publish markups + Upload + Edit	Cho phép chỉnh sửa tệp tin, Publish markups của các thành viên khác.
Manage	Full administrative controls	Với quyền Manage, bạn sẽ có toàn quyền thực hiện các tác vụ giống như project admin.

Lưu giữ tất cả hoạt động liên quan đến tệp tin



# Quản lý quyền truy cập và Kiểm soát phiên làm việc

User roles - Authen 2-legged

Thiết lập chia sẻ tệp tin với các bên

### Share

Share with [Learn more](#)

- Project members with view-only access or higher
- Anyone with the link
- Another project

Link expires **Friday Jun 16, 2023 GMT+07:00** [✎](#)

Select version to share

Current version at the time the recipient opens

Email	Link
Title	
Tài liệu tham khảo	
Recipient *	
nghi.vuhoang@oneca... ✕	
Note	

[Cancel](#) [Send](#)

Theo dõi thông tin nào đã chia sẻ

[Deleted items](#) [Settings](#)

[Upload files](#) [Export](#) [Search and filter](#)

Name ↑	Description	Version	Indicators	Markup	Size	Last updated	
<input type="checkbox"/>	01 Hệ thống điện	--		--	--	Jun 13, 2022 3:26 P...	⋮
<input type="checkbox"/>	TAB-DEF-STR-POD-0...	V1	🌐	📄 🏠	543.1 KB	Aug 4, 2022 2:55 PM	⋮

This file has been shared publicly.

[Delete link](#)

# Quản lý quyền truy cập và Kiểm soát phiên làm việc

## Truy cập dữ liệu từ bên thứ 3 - Authen 3-legged



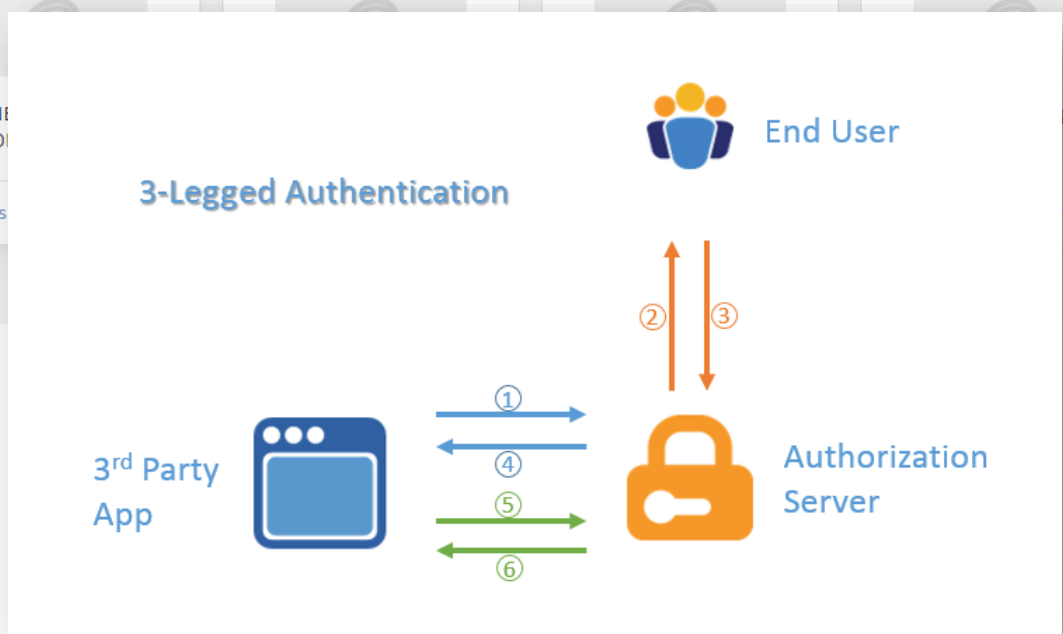
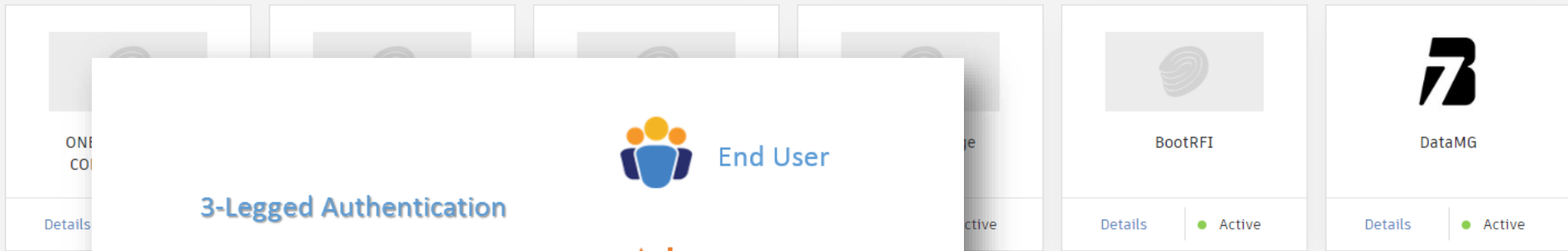
Go to unified projects



Custom integrations are applications your company has developed to expand BIM 360 capabilities.

Visit BIM 360 APIs on Forge Platform to learn more about account level APIs.

Add Custom Integration



**CC bảo mật mạng,  
hệ thống hạ tầng và  
Quản lý rủi ro**

# Bảo mật mạng, hệ thống hạ tầng và Quản lý rủi ro

## Các tiêu chuẩn SOC 2 và SOC 3

F\_430517A-1A\_ADSK\_12\_Month\_SOC3.pdf 8 / 17 100%

entertainment software and Autodesk makes software for people who make things.

### AUTODESK System Overview and Services Provided

The scope of this report is applicable to the Autodesk Cloud Products and Infrastructure System (hereafter referred to as "Cloud Services") and covers the following Software as a Service ("SaaS") products and platform services located within Autodesk's US and European regions:

Products	Product Picker / Modules	Tools/ Services	Description
Autodesk Docs (includes BIM 360 Docs)	• Document Management	• Document Management (US and Europe)	Delivers a complete, connected solution to manage all 2D plans, 3D models and other project documents specifically for AEC industry
		• Microsoft Office File Access Service (US and Europe)	Microsoft service that processes Office files and provides viewing feature directly from the products
		• Command Processor (US and Europe)	Backend orchestration for BIM360 document processing platform.
		• Document Data Service (US and Europe)	Backend cache service that intercept all related read and write requests originally sent to WIP-DM.
	• Account Administration • Project Administration	• Apps (US and Europe)	App store for external apps to integrate with BIM services
		• Data Connector (US and Europe)	Allows customers to request and download extracts of all managed database stored for an account
	• HQ (US and Europe)	From account and project setup to user and company management, helpful analytics around BIM 360 usage. HQ is a one-stop resource for account and project administrators to setup and manage their BIM 360 accounts.	
	• Revit Cloud Model Upgrade	Upgrades Revit cloud models in a project to a newer release of Revit without downloading the models.	

~ 7 ~  
Autodesk, Inc. The Landmark at One Market Street, Suite 400, San Francisco, CA 94105  
Ph +1 415 507 5000 autodesk.com

# Bảo mật mạng, hệ thống hạ tầng và Quản lý rủi ro

Các tiêu chuẩn ISO 27001, ISO 27017 và ISO 27018



**PECB MS**

BEYOND  
RECOGNITION

## CERTIFICATE

PECB MS hereby certifies that the management system of

**Autodesk, Inc.**

One Market, Suite 400, San Francisco, California, 94105, USA

Has been assessed and found to be in accordance  
with the management system requirements in

**ISO/IEC 27001:2013**

Certification Scope:

The Information Security Management System (ISMS) addresses the security and risk management measures the Autodesk Cloud Infrastructure (CI) and Cloud Security (CS) teams have in place for preserving and maintaining the confidentiality, integrity, and availability of information. The CI and CS teams build and maintain the customer data locations for Autodesk's products and services. It covers the CI and CS teams handling of internal audits, risk assessments, corrective actions, and controlled documents for the secure and dependable operation of the following other Autodesk teams/roles: Reliability Engineering, Agile Delivery, Service Operations Centre (SOC), Infrastructure as a Service (IaaS) Engineering, Automation Engineering, DevOps, in accordance with the Statement of Applicability (SoA), Ver. 1.7 dated on 12/02/2021

**Nick Hundozi**  
Senior Business &  
Operations Director

Certificate No.	C1348-ISMS500-01-22
Certified since	2020-12-01**
Valid from	2022-01-11
until	2023-11-30

\*Subject to annual surveillance audits  
\*\*Originally certified by another certification body since December, 2020  
This certificate can be validated by email request at: [ms@pecb-ms.com](mailto:ms@pecb-ms.com)  
[www.pecb-ms.com](http://www.pecb-ms.com)



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Laval, QC H7S 2N5, Canada  
+1-844-426-7322

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## ATTESTATION

PECB MS hereby attests that

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One Market, Suite 400, San Francisco, California, 94105, USA

Has been assessed and found to be in compliance with

**ISO/IEC 27017:2015**

Certification Scope:

The Information Security Management System (ISMS) addresses the security and risk management measures the Autodesk Cloud Infrastructure (CI) and Cloud Security (CS) teams have in place for preserving and maintaining the confidentiality, integrity, and availability of information. The CI and CS teams build and maintain the customer data locations for Autodesk's products and services. It covers the CI and CS teams handling of internal audits, risk assessments, corrective actions, and controlled documents for the secure and dependable operation of the following other Autodesk teams/roles: Reliability Engineering, Agile Delivery, Service Operations Centre (SOC), Infrastructure as a Service (IaaS) Engineering, Automation Engineering, DevOps, in accordance with the Statement of Applicability (SoA), version 1.7 dated on 12/02/2021

**Nick Hundozi**  
Senior Business &  
Operations Director

Certificate No.	C1349-ITCS15-01-22
Certified since	2020-12-01**
Valid from	2022-01-11
until	2023-11-30

\*Subject to annual surveillance audits  
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[www.pecb-ms.com](http://www.pecb-ms.com)



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Certification Scope:

The Information Security Management System (ISMS) addresses the security and risk management measures the Autodesk Cloud Infrastructure (CI) and Cloud Security (CS) teams have in place for preserving and maintaining the confidentiality, integrity, and availability of information. The CI and CS teams build and maintain the customer data locations for Autodesk's products and services. It covers the CI and CS teams handling of internal audits, risk assessments, corrective actions, and controlled documents for the secure and dependable operation of the following other Autodesk teams/roles: Reliability Engineering, Agile Delivery, Service Operations Centre (SOC), Infrastructure as a Service (IaaS) Engineering, Automation Engineering, DevOps, in accordance with the Statement of Applicability (SoA), version 1.7 dated on 12/02/2021

**Nick Hundozi**  
Senior Business &  
Operations Director

Certificate No.	C1350-ITPII15-01-22
Certified since	2020-12-01**
Valid from	2022-01-11
until	2023-11-30

\*Subject to annual surveillance audits  
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[www.pecb-ms.com](http://www.pecb-ms.com)



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# Bảo mật mạng, hệ thống hạ tầng và Quản lý rủi ro

## UK Cybersecurity Essentials

### — UK Cybersecurity Essentials Audited Products

#### Autodesk Docs

- Document Management (Europe)
- Issues (Europe)
- Apps (Europe)
- Account Administration (Europe)
- Locations (Europe)
- Reports (Europe)
- Document Data Service (Europe)
- Microsoft Office File Access Service (Europe)
- Data Connector (Europe)

#### Autodesk Build

- Cost Management (Europe)
- Insight (Europe)
- Project Management (Europe)

#### Autodesk BIM Collaborate PRO

- Revit Cloud Models (Europe)
- Collaboration for AutoCAD Plant 3D (Europe)

#### BIM 360 Docs

- BIM 360 Document Management (Europe)

### Penetration testing

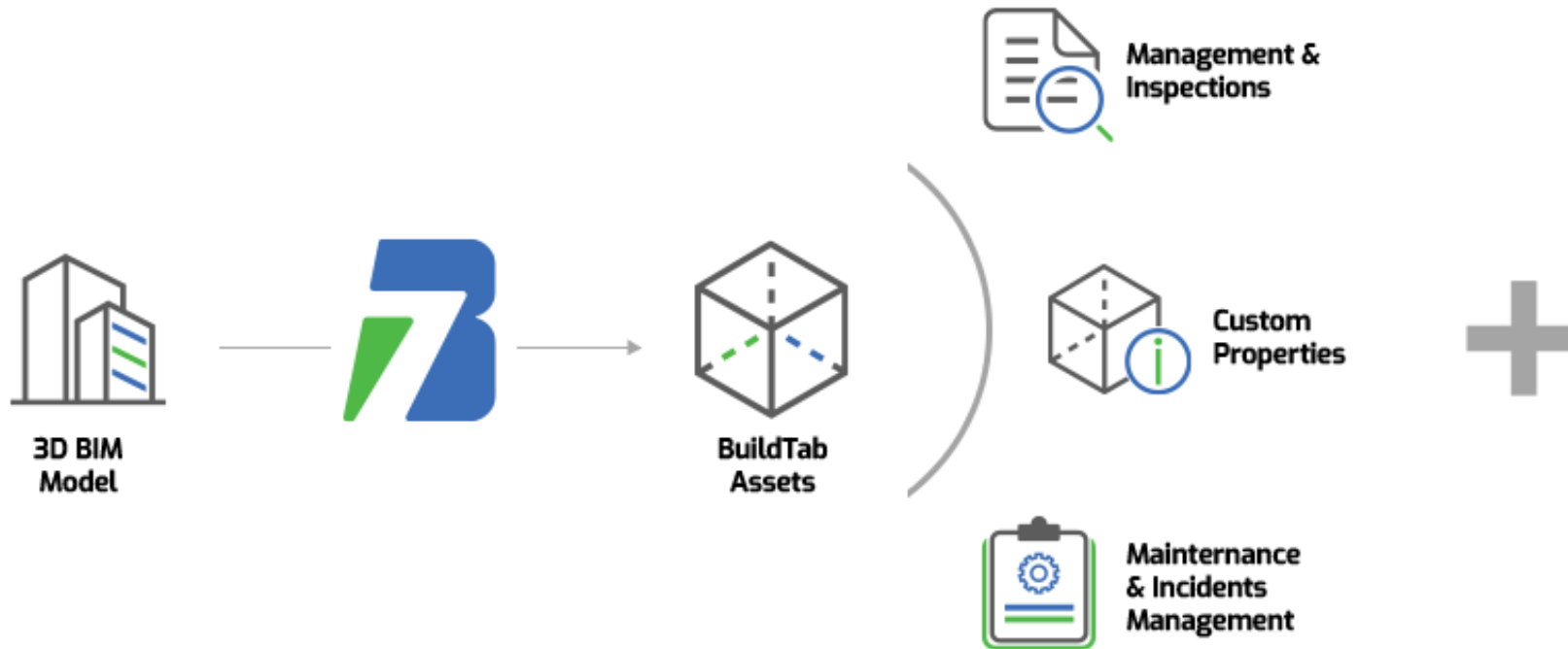




# BuildTab



# BuildTab – FM Tools



**THANK YOU  
FOR YOUR LISTENING**



---

Value Added Services  
Authorized Training Center  
Service Provider Select