



# Sharing ReCap Projects on Autodesk's Cloud Platforms

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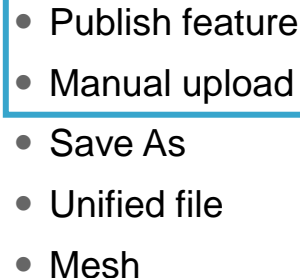
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# Today's Agenda

## Learning Objectives

- Learn how to migrate ReCap project data to the cloud using various workflows.
- Learn how to share data with your client and integrate feedback into the local model.
- Distribute your project data to your teammates and partners for use in other disciplines.
- Learn about implementing best practices to avoid common issues like those stemming from the migration or working with large data sets.

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- Publish feature
  - Manual upload
  - Save As
  - Unified file
  - Mesh

# Workflow 1: Publish

Poll: Who has used the Publish feature before?



# Which files are Published?

Two structures, the Scan Structure (1) or RealView Structure (2)

Which structure you get when you Publish depends on ReCap version and chosen cloud platform.

## Structure 1

[Parent Folder]

[*Project name* Support]

.RCS files (scans)

.RCC files (corresponding to structured scans)

[attachments] (if the project has attachments)

*Project name*.rcp

<GUID>.png (overview map)

## Structure 2

[Parent Folder]

[*Project name* Support]

[Temporary Cache Files]

.RCH files (cached RealViews)

[attachments] (if the project has attachments)

*Project name*.rcp

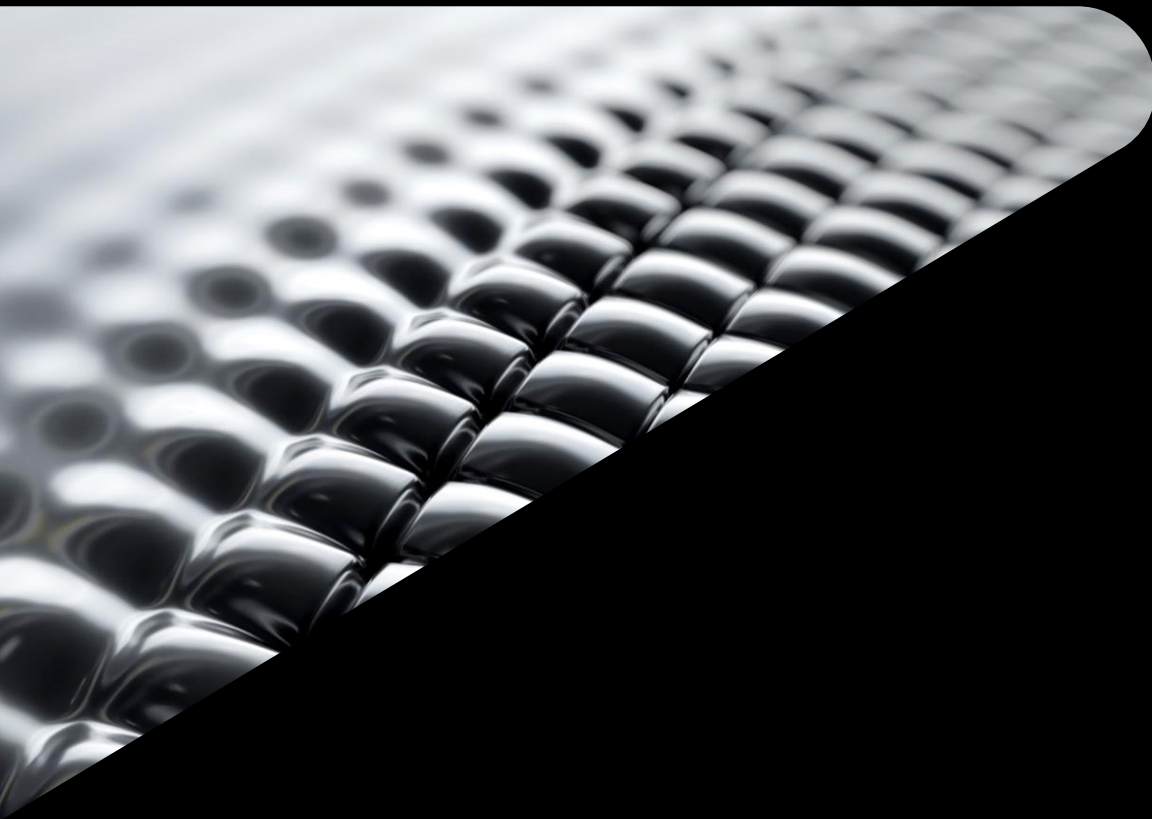
<GUID>.png (overview map)

# History of the Publish feature

Summary of which structure you get

	Autodesk Drive	BIM or ACC Docs
ReCap 2022	Structure 2 ( <u>RealViews</u> )	Structure 2 ( <u>RealViews</u> )
ReCap 2023	Structure 2 ( <u>RealViews</u> )	Structure 1 (Scans)

# Demo: Publish



# What can go wrong?

Common issues:

- Slower performance, especially with Structure 1
- Missing files and Failed DC actions. Often caused by:
  - C:drive space
    - Consider changing workspace
    - 2-3X as much space temporarily required
  - File path length
  - Desktop Connector interference

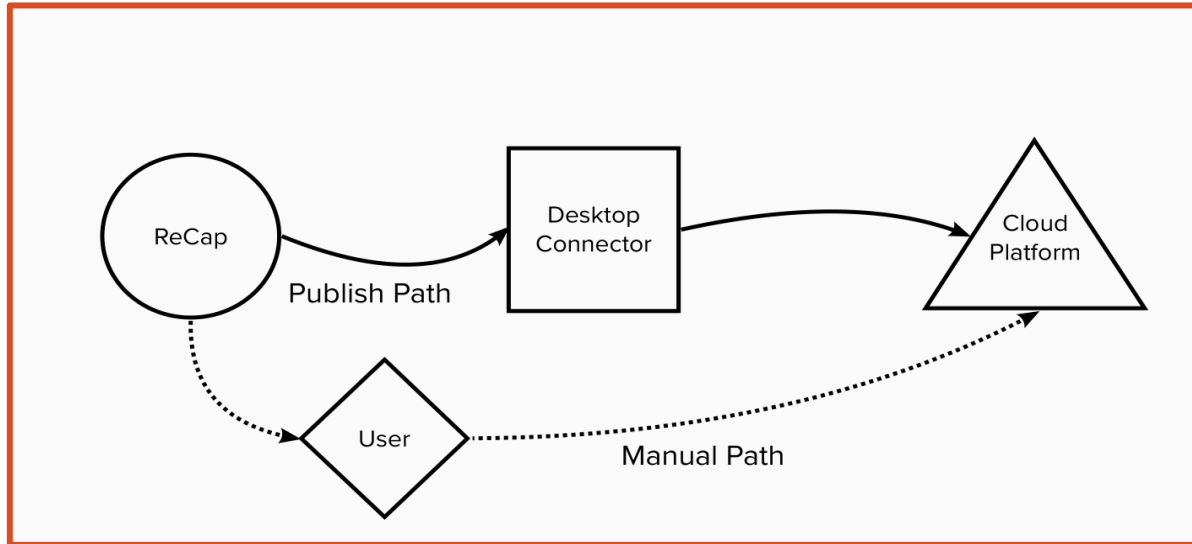
	Upload Speed (for a 12 scan, 7.5 GB project)
Publish to Docs from 2023 (Structure 1)	2 hours
Publish to Drive from 2023 (Structure 2)	10 mins
Manual Upload to Docs (Structure 1)	1.5 hours
Save As to Docs	2.5 hours

# Publish feature

## Break it down

After you hit that Publish button:

1. ReCap hands a subset of the ReCap files off to the Connector, **not the whole project**
2. The Connector then uploads those files to the Docs or Drive

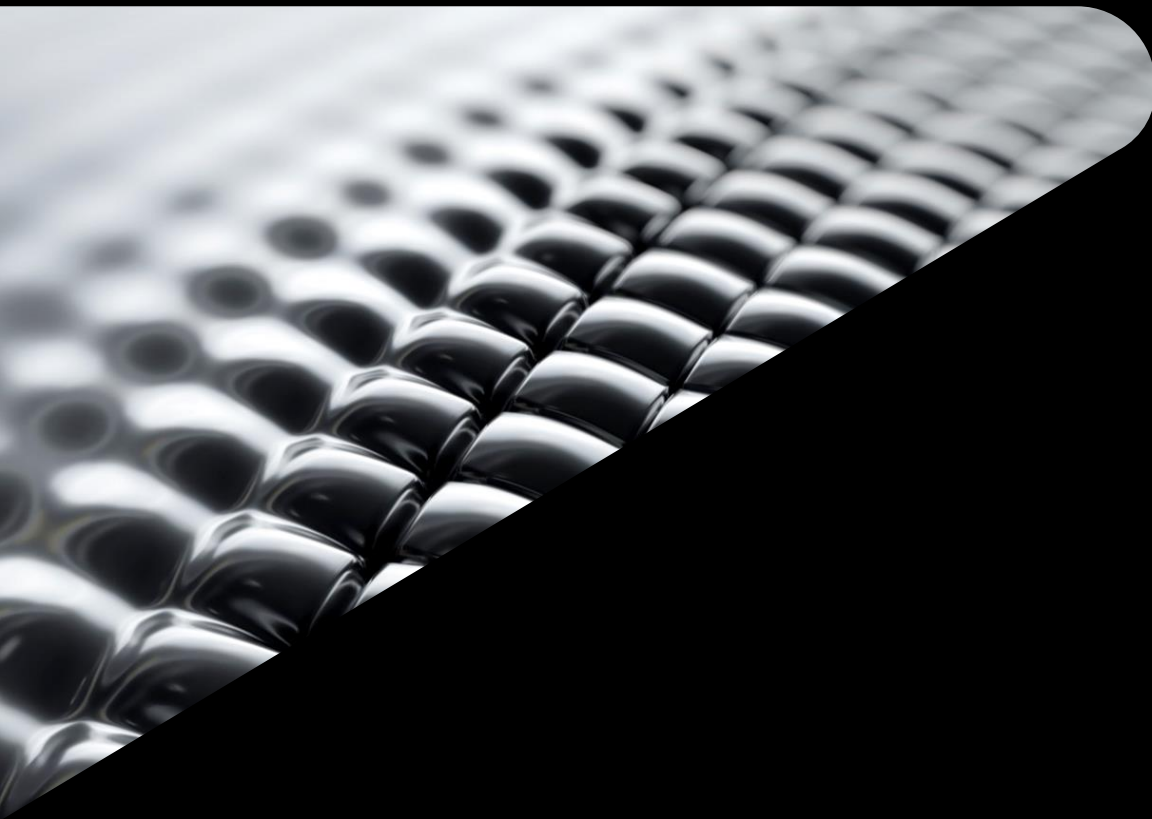


# Workflow 2: Manual Method

1. Pick your Structure
  1. Need the point cloud in the viewer? Structure 1 to Docs
  2. Just need RealViews/collaboration? Structure 2 to either
2. Recreate the folder structure on Docs/Drive
3. Cache RealViews if needed (Structure 2)
4. Upload the files



# Demo: Manual



# A Case for the Manual method

- Speed, 20-25% faster in my testing
- More control on uploaded structure
- Avoids Desktop Connector issues
  - Anti-virus interference
  - C:drive space

## Available Structures with Manual

	Autodesk Drive	BIM or ACC Docs
ReCap 2022	Structure 2 (RealViews)	Structure 2 (RealViews) Structure 1
ReCap 2023	Structure 2 (RealViews)	Structure 1 (Scans) Structure 2

# Workflow 3: Save As

Places the whole project in the cloud. Why might you?

- Work remotely, collaboration

Why shouldn't you?

- Upload is slow, laden with failed actions
- Currently unsupported by ReCap Development
- DC will punish you for editing a project in the cloud

# Workflow 4: Unified file

My recommendation for sharing files with other designers for a few reasons:

- Reduces number of files designer needs locally synced
- Option to decimate/reduce file size
- Inconsistent results inserting/linking Structure 1

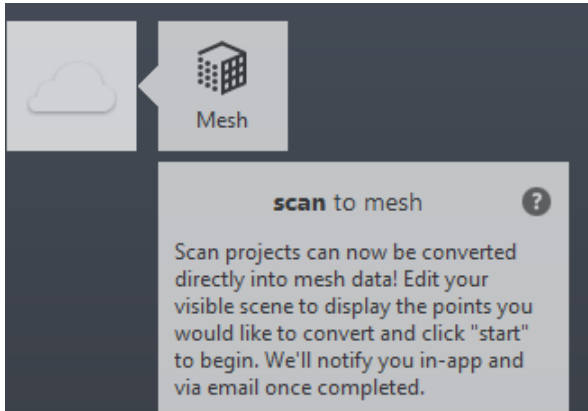


Con of this workflow: structure/texture is lost

# Workflow 5: Generate a Mesh

If the designer needs a mesh, Scan-to-Mesh

- Costs cloud credits/flex tokens
- Additional entitlement, commonly missed
- Textures only from structured projects
- NWC is new feature, potential great option for Navis/Revit



# Sharing your Data: Prerequisites

Recipient will need an email address associated with an Autodesk Account and to have been granted sufficient permissions.

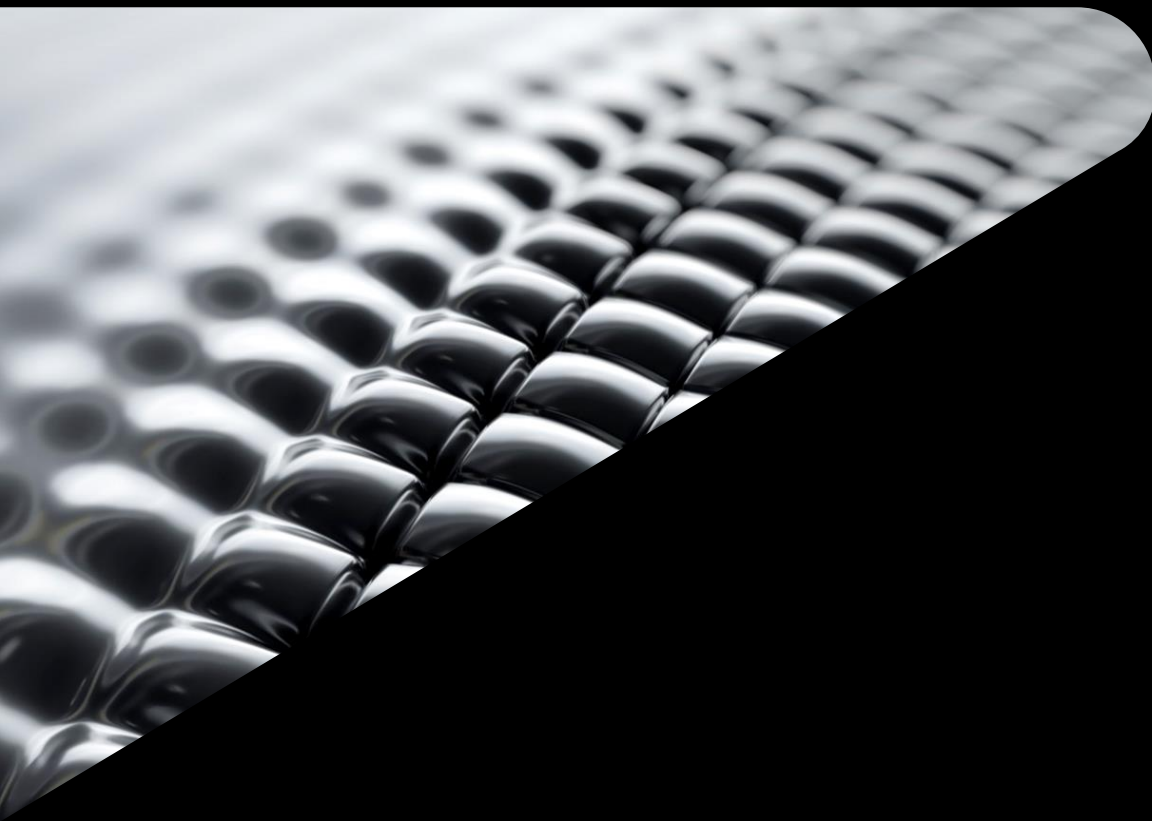
If Autodesk Docs (BIM or ACC) is the chosen cloud storage:

- Accepted project invitation, includes subscription to Docs

If Autodesk Drive is the chosen cloud storage:

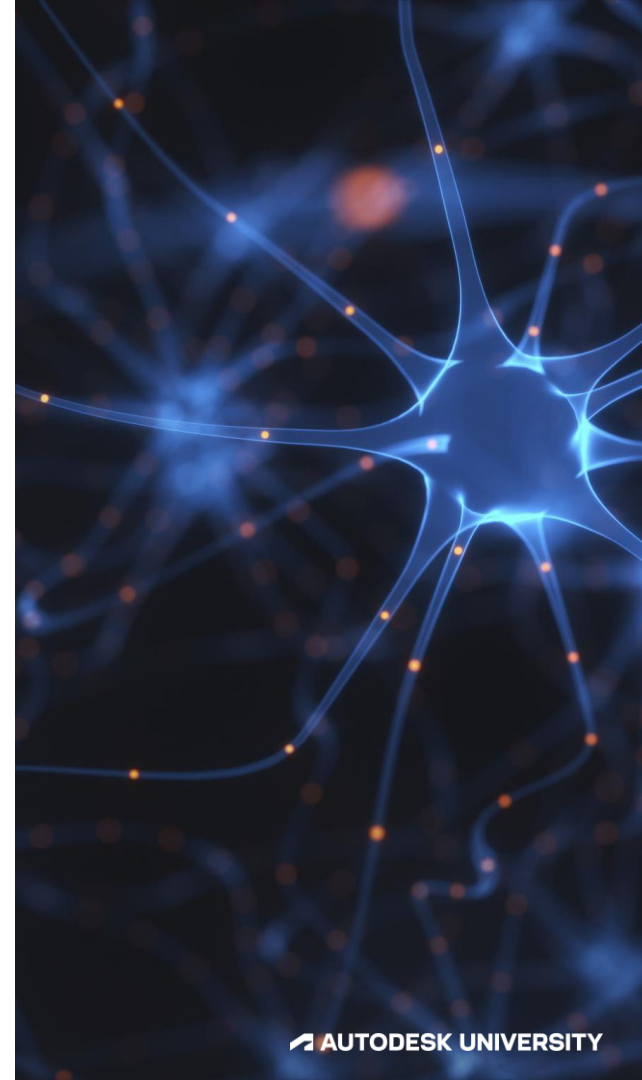
- An active Entitlement to Autodesk Drive, currently free with purchase of any Autodesk product.

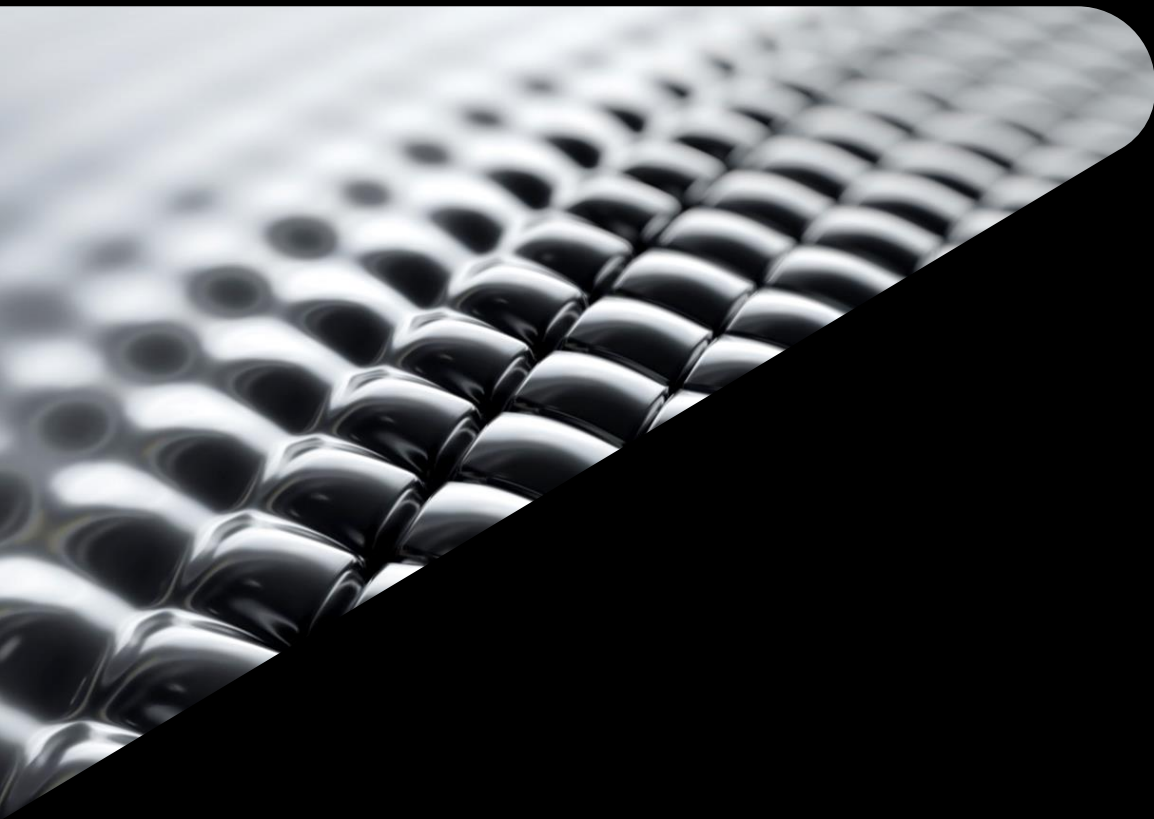
# **Sharing Data and Integrating Feedback Demo**



# Final takeaways

- Leverage that Cheat sheet and comparison slides!
- Consider changing your Workspace if utilizing a Connector workflow
- Manually upload for large projects or for extra flexibility
- Utilize Structure 2 if you can live without the Point Cloud in the Viewer in Docs
- Export a unified file for other designers
- Take a small project like the Sample project, test things out!
- Placing the whole project in the cloud isn't recommended. C4RP doesn't exist.





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