

ES124343-R

Connect and Collaborate – Managed Changes in Your DWG Through Visualization and Notification

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Learning Objectives

- Learn how to visualize and track your drawing changes in AutoCAD
- Learn how to view changes of AutoCAD objects from version to version
- Learn how to implement a cloud-enabled versioning service in AutoCAD
- Learn how CAD managers and users can set up notifications in their projects for drawing updates

Description

The intent of this roundtable is to ignite a discussion around how we build the next generation of tools and utilities in AutoCAD software that are modern, collaborative, and cloud extensible. We'll use a prototype to showcase how these utilities can help CAD managers and drafters visualize, track, get smart notifications, and monitor the histories of their DWG™ in its lifecycle. The objective is to help the engineering team co-create and build smart utilities that work for the classic users of AutoCAD, as well as the gen-next—born in the era of cloud apps. The roundtable will help us discover how AutoCAD can become more personalized to the needs of our customers and how much our customers are ready to embrace newer ways of working and collaborating with their customers and peers. We will have an expert-led participant group to discuss specific questions, and participants are encouraged to bring their own problems and ideas. We would use LUMA (design-thinking methods) to interactively discuss and collaborate with our customers to co-create possible (or future) solutions/features for AutoCAD.

Speaker(s)

Nabayan Roy is a Product Owner and Principal Learning Experience Designer at Autodesk, Singapore. Nabayan works on AutoCAD and AutoCAD Vertical product family. His interests include Agile and Lean Product Development, Product Design, Validation Techniques, User and Developer Experience (UX/DX), Human-Centered Design, Augmented and Virtual Reality (AR/VR), and Information Architecture. A creative thinker and a global speaker on Agile Development, Content Strategy, and Onboarding Experience, Nabayan is a Certified Scrum Master (CSM) and Certified Scrum Product Owner (CSPO).

Sridhar Subramani has more than 17 years of CAD experience, working as Principal QA Analyst, Product Owner and scrum master at Autodesk, Inc. A seasoned professional in software testing, he has also been actively involved in news groups of AutoCAD Mechanical software and AutoCAD Architecture software and resolved over 1350 issues reported by customers. Sridhar conducts in-house training in AutoCAD software and AutoCAD Architecture software. He has written several technical solutions that are published on the Autodesk support website.

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A Quick Overview About the Roundtable

The intent of this roundtable is to ignite a discussion around how we build the next generation of tools and utilities in AutoCAD software that are modern, collaborative, and cloud extensible. We will show a prototype at the beginning to showcase how such a utility can help CAD managers and drafters visualize, track, get smart notifications, and monitor changes throughout the DWG lifecycle.

Next, we would use LUMA (design-thinking methods) to interactively discuss and collaborate with you, our customers, to co-create possible (or future) solutions/features for AutoCAD.

The roundtable will help us discover how AutoCAD can become more personalized to the needs of our customers and how much our customers are ready to embrace newer ways of working and collaborating with their customers and peers.

Built-in Lightweight Version Management in AutoCAD - Prototype

Before we start with our roundtable discussion, we want to demo a prototype that showcases version management of DWG files within AutoCAD without the need of any external heavyweight version management system.

Key Features:

- Ability to track the DWG lifecycle using snapshots
- Easy to visualize progress of the drawing
- Ability to subscribe to the changes/updates in a drawing
- Notifies the subscriber (CAD Manager/Others) by emailing the changes in the drawing in a visual format
- Smart customization of snapshot options
- Ability to connect to cloud (storage) for added functionalities, such as:
 - Snapshot versioning
 - Able to revert to a snapshot version

Roundtable Techniques

We would be using LUMA (design-thinking) techniques to help us understand the priorities, and then try and come up with possible solutions for the future.

We would be using these methods for our discussion and deliberations:

- **What's on You Radar** to help us with what each one of you have on your mind about versioning and collaboration in AutoCAD and define them in order of their priorities.
- **Affinity Clustering** to help us create some emerging themes and patterns for those priorities
- **Concept Poster** to help come up with a solution or design at a high-level as a future possible solution. For this activity, we will form teams to better manage time and group discussions.
- **Visualize the Votes** as a mechanism to vote for the best solution