Cloudy with a Chance of Design

Ryan Baker Cameron, AIA | Associate | DLR Group
Bill Allen, BIM Manager | OZ Architecture

Architecture

Twitter: @rbcameron1 @bill_allen_21

Key learning objectives

At the end of this class, you will be able to:

- Learn how to navigate cloud products
- Discover how others are using cloud products
- Discover knowledge on tried-and-true workflows
- Discuss techniques, tips, and tricks with the Autodesk 360 platform

Opening Statements

- In this roundtable session, we will learn about powerful cloud technologies for **Building Information Modeling (BIM)**. The session will move through several discussion points with the group to develop a reproducible set of steps attendees can use to help engage other colleagues. As the conversation evolves, the speakers will produce a document that attendees can refer to later.

- In this roundtable, we will discuss uses for the beginning stages of cloud tools. Let's clarify that ANY cloud tool is on the table. This could be render cloud (why don't my renders look the same?) to advanced technologies like GRID cloud computer for off-site Revit use.

- **This roundtable was really built for YOU, the attendees. My team can prepare all we want, but in the end it solely depends on the people around the table to participate and share ideas. So please feel free to independently share questions and concerns.**

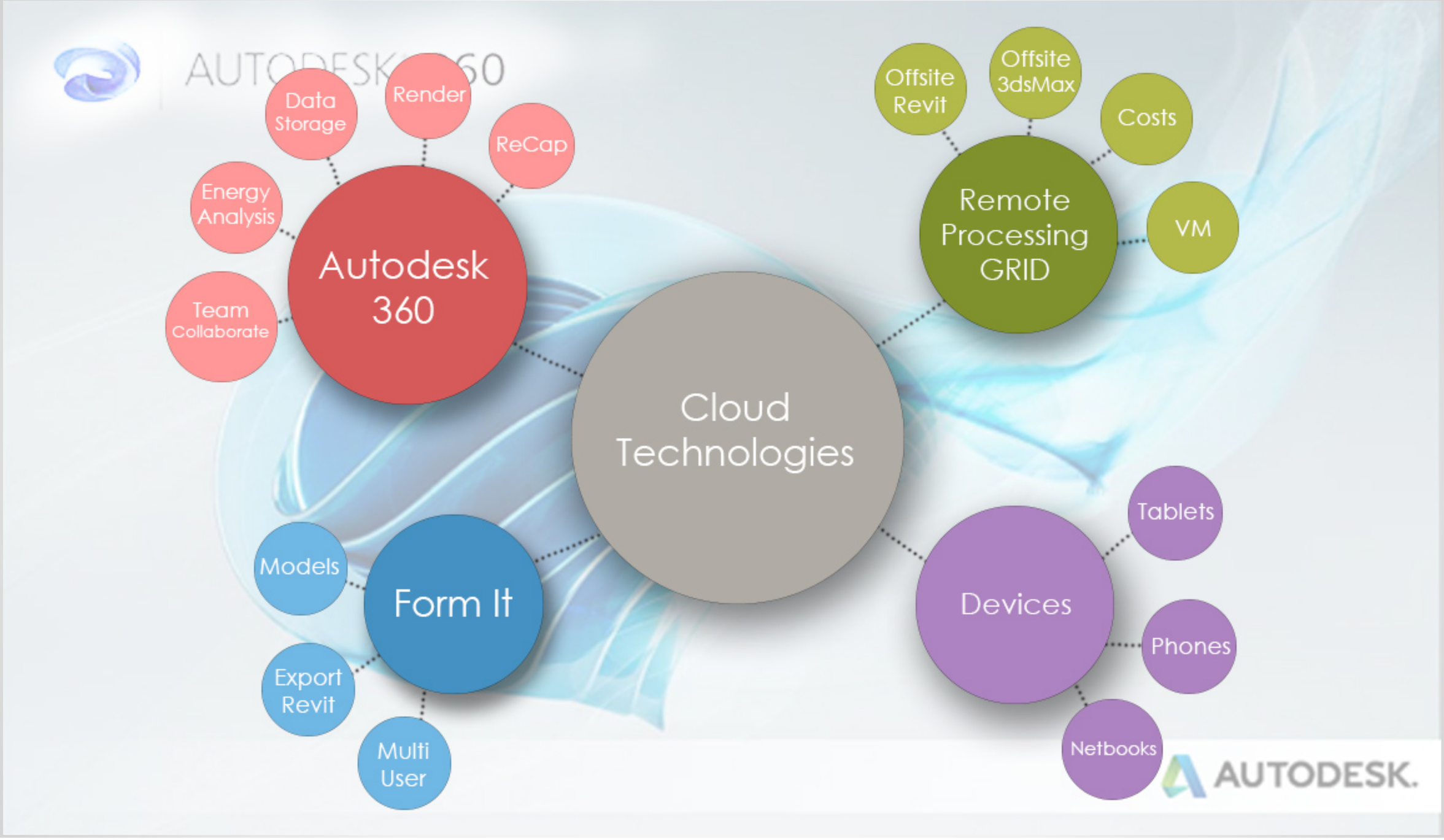
Opening Statement

We are interested in facilitating a discussion on the current and future cloud collaboration techniques. From multi-user sessions in FormIT, to democratic processor distribution technology like GRID by Nvidia, to Autodesk ReCap.

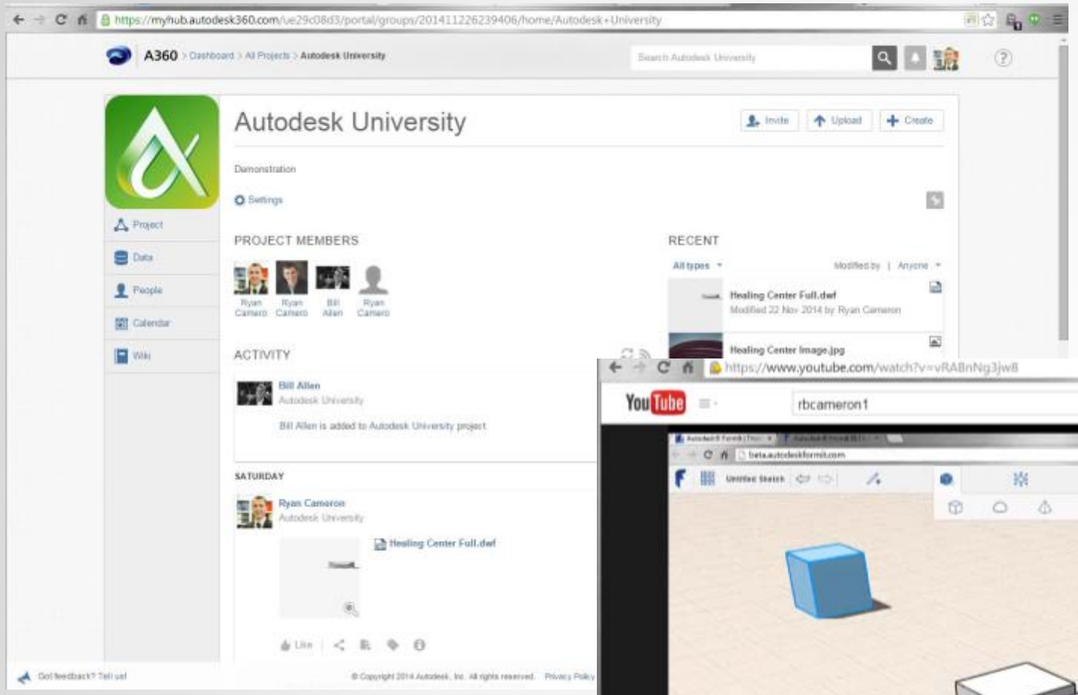
AU brings in the best of the best from around the world and I am hoping we have a great gathering of people who can listen as much as they can share about their expectations, concerns and uses for all the cloud technology we use for design. It's raining design, now how do we collect it and put it to use?

Opening Statement

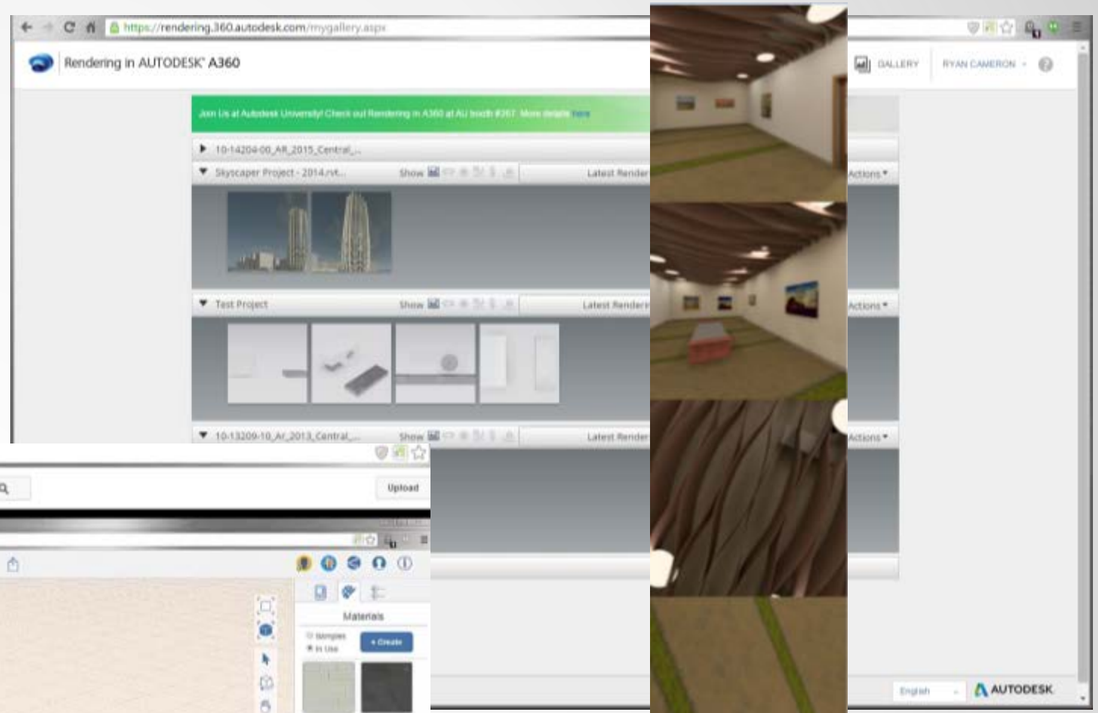
The metaphor for this class is loosely based on Cloudy with a Chance of Meatballs. If you've seen the movie, the inventor teen creates clouds that rain food to help distribute new tastes and flavors to his community. At first, great benefits were enjoyed by all. However, as requests became more overwhelming, the "cloud" went berserk and started destroying the community. How do we keep our firm's "cloud" technology under control so it doesn't get so complicated it becomes a desperate chore to keep it managed?


Data Storage
Render
ReCap
Energy Analysis
Autodesk 360
Team Collaborate
Offsite Revit
Offsite 3dsMax
Costs
Remote Processing GRID
VM
Cloud Technologies
Models
Form It
Export Revit
Multi User
Tablets
Devices
Phones
Netbooks
AUTODESK.

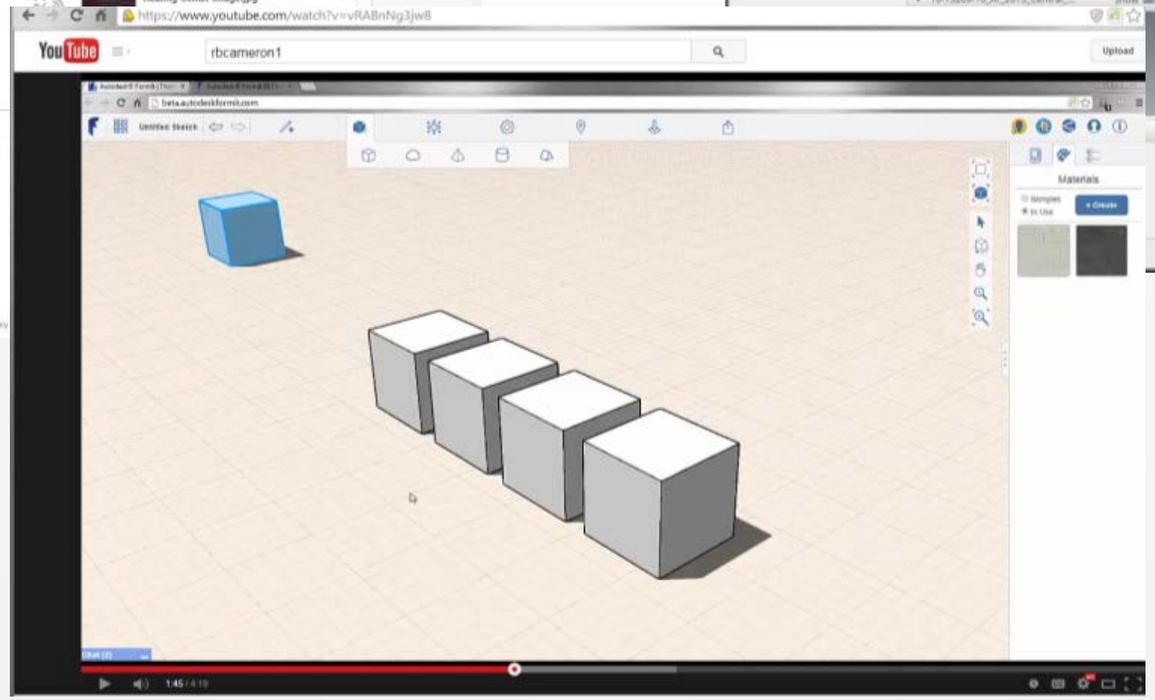
Live – A360 Demo Project



Rendering



KubeGL



FormIt Shared Session

Session Questions

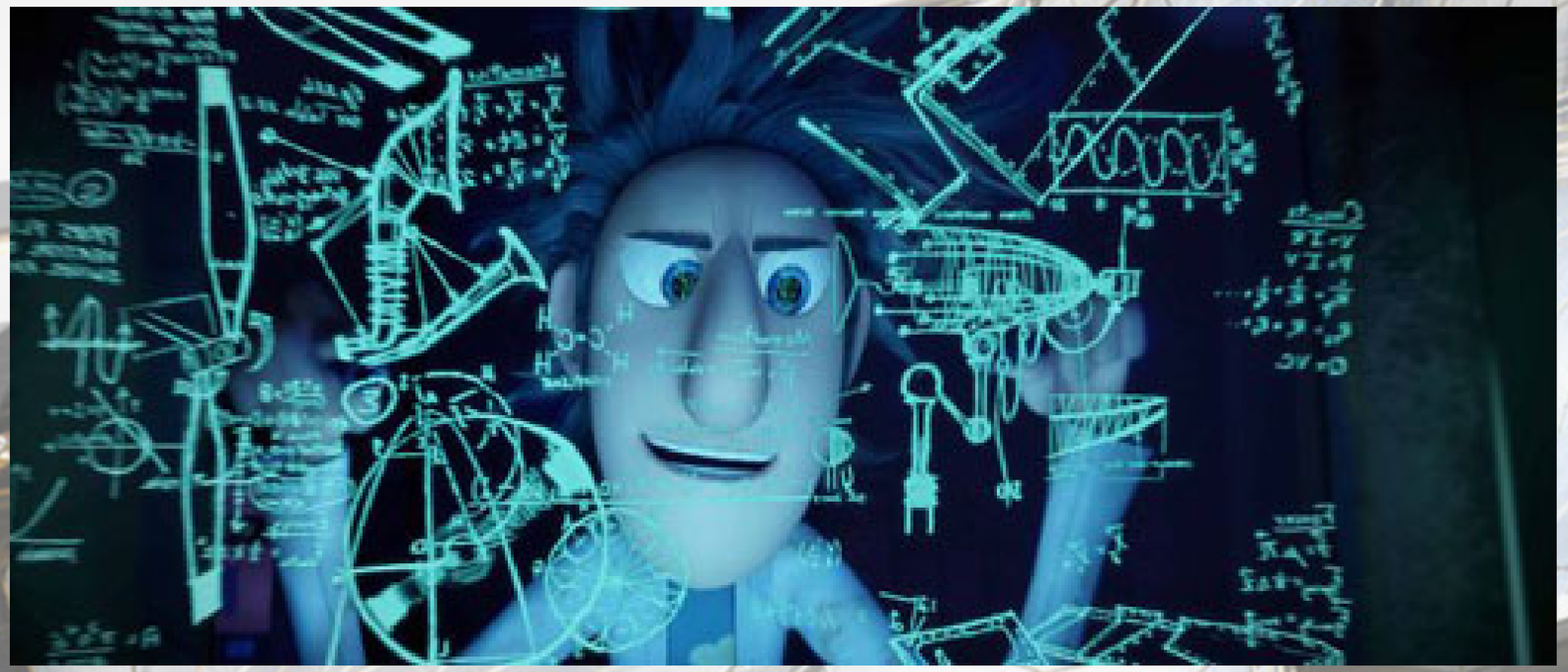
Have you found it difficult to get people motivated to try new software and techniques?

Session Questions

Once new information sharing technology becomes available (like Project Skyscraper) how are firms prepared to respond to it? Are you an early adopter type or a wait until several firms have worked out the kinks type?

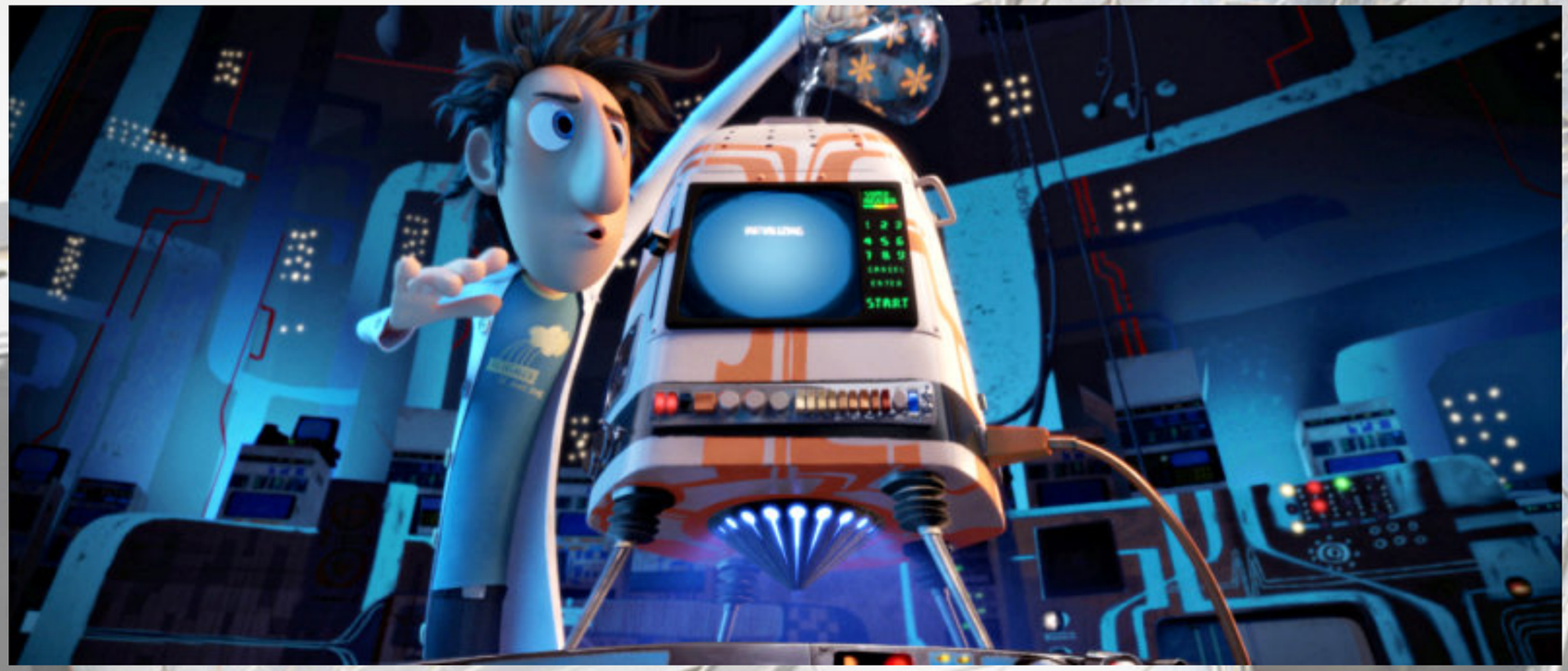
Session Questions

Do you find it more pragmatic to bring data to users (i.e. Vault, FTP, etc.) or bring users to data (i.e. 360 Glue, FormIT, etc.)?
- Why?



Session Questions

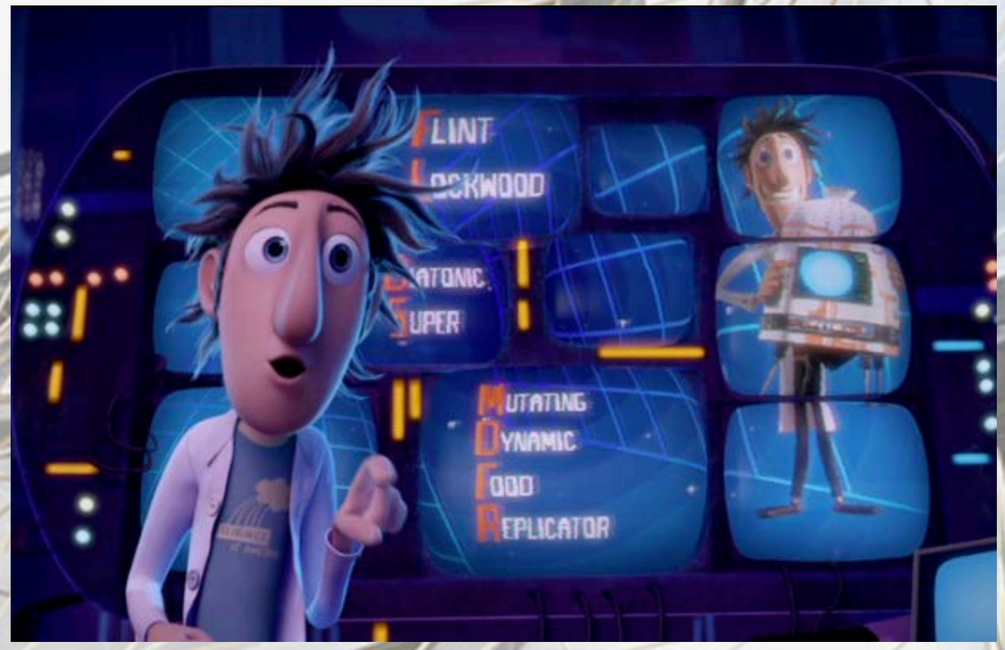
How do you see collaborative design tools like FormIT invoking practical workflow process shifts in the AEC industry by way of the cloud?



Session Questions

How is your firm using performance based cloud computation design tools such as Vasari and Green Building Design for energy and carbon analytics?

What benefits and challenges have you seen?



Session Questions

What challenges have you experienced when trying to quantify cloud credits when using Autodesk 360 for rendering?

Session Questions

What strategies and workflows would anyone like to share when using cloud resources like storage, sharing, rendering, etc…?

Session Questions

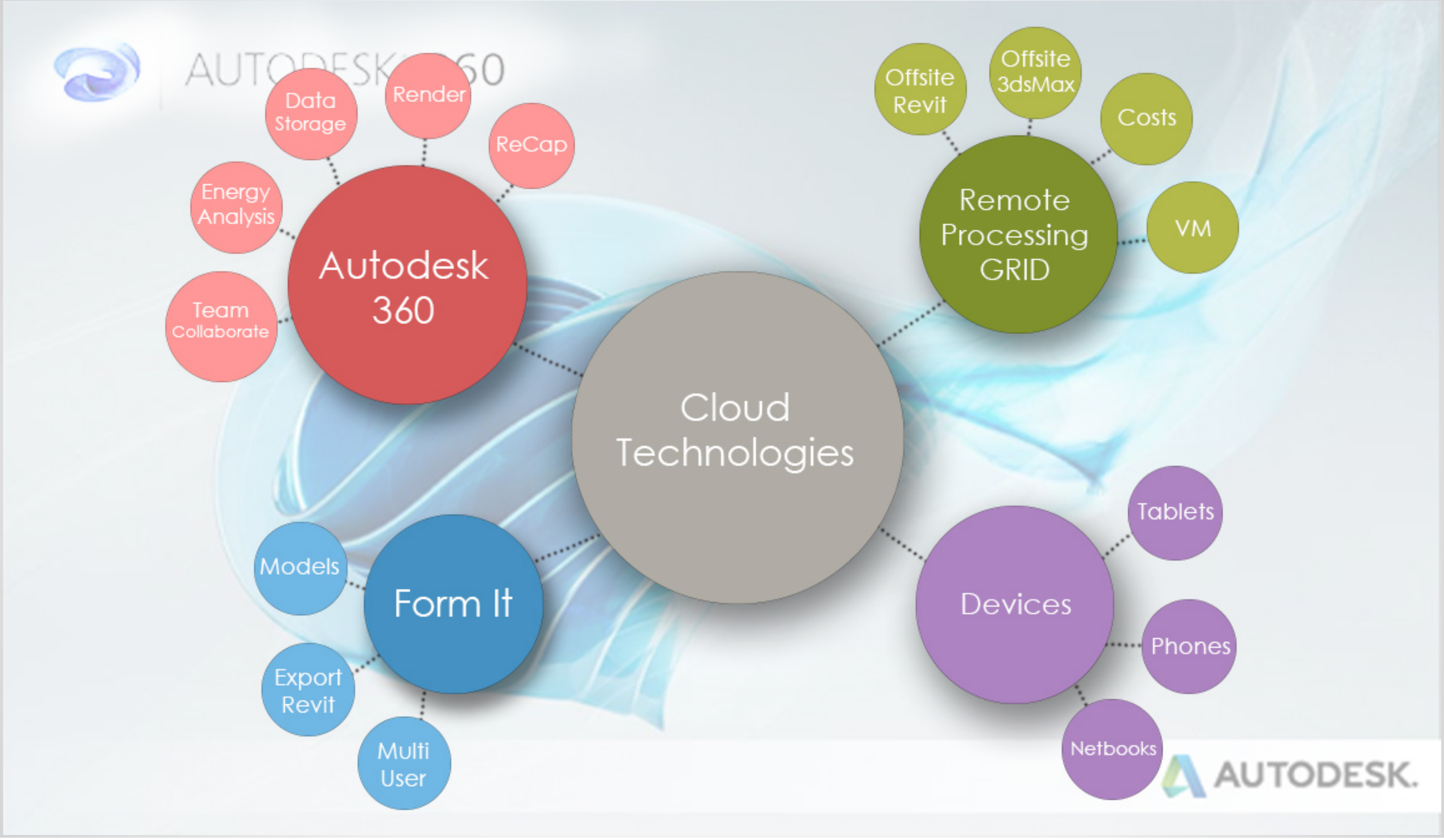
What is the cloud tool you struggle with right now and how can we as a group resolve any issues you might have?

Session Questions

What roadblocks are in your team’s way and how can we help share our stories of how we breached the hurdles?

Session Questions

What features are you looking forward to trying?
What features don’t currently exist, but you would like to see developed?


Data Storage
Render
ReCap
Energy Analysis
Autodesk 360
Team Collaborate
Offsite Revit
Offsite 3dsMax
Costs
Remote Processing GRID
VM
Cloud Technologies
Models
Form It
Export Revit
Multi User
Tablets
Devices
Phones
Netbooks
AUTODESK.

Any last second questions?