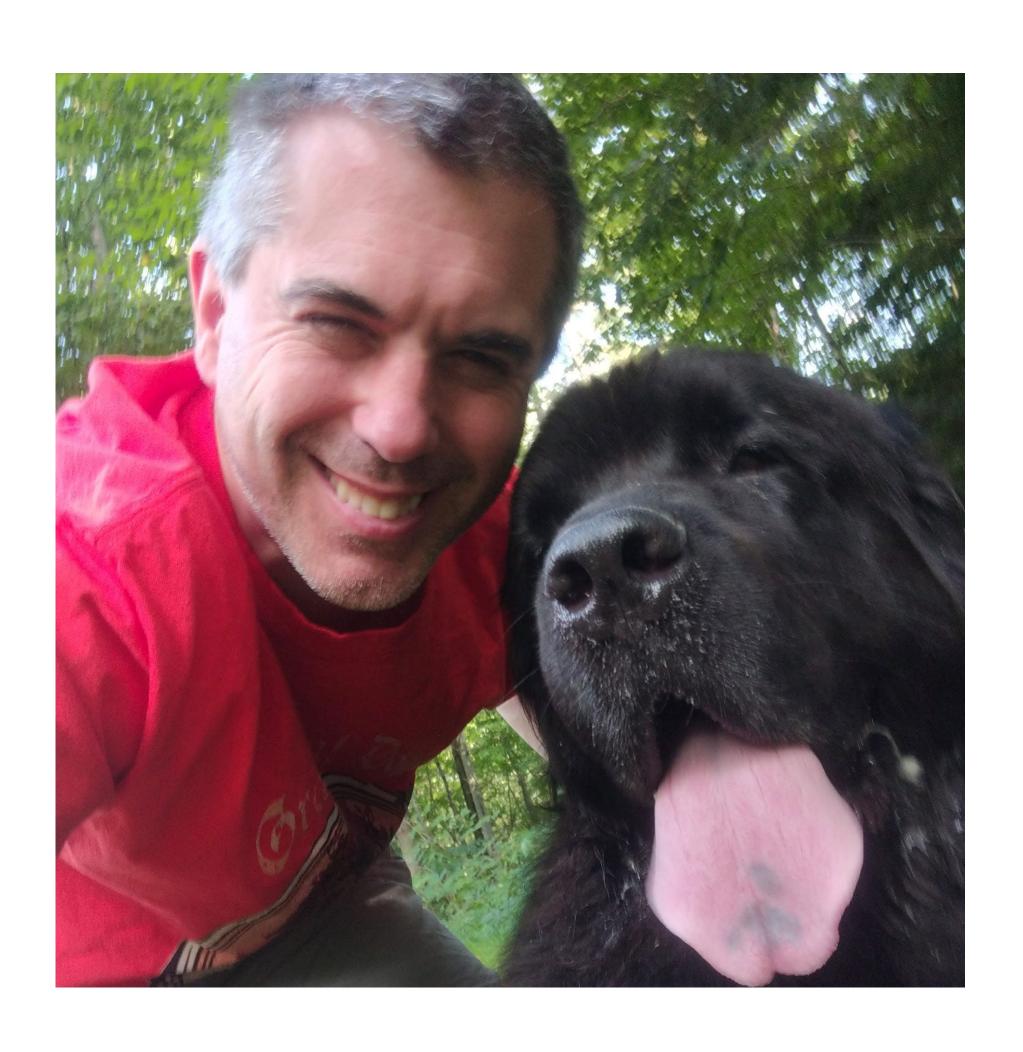
# OK Forge!

Tim Burnham & Dimitrii Pokrovskii

Autodesk Consulting – Delivery Services





### Tim Burnham

### **Autodesk Solution Architect**

- Autodesk employee since 2004
- One of the original developers for Civil 3D and Infraworks
- Has focused on AEC/BIM space in last 5 years
- Specializes in Automation and Software Architecture
- New Hampshire Guy
- Helps customers improve project workflows thruogh tech
- Visits the Dog Therapy area too much at AU



## Dimitrii Pokrovskii

Autodesk Technical Consultant

Dimitrii Pokrovskii is a Technical Consultant with Autodesk global Consulting Delivery. Dimitrii is focused on Enterprise Forge integrations and web application solution design and development. Dimitrii works closely with the BIM 360 and Autodesk Forge Product teams to communicate new product needs and features. He is specifically focused on Business Intelligence, Virtualization & Workflow automation



Common Need: Information







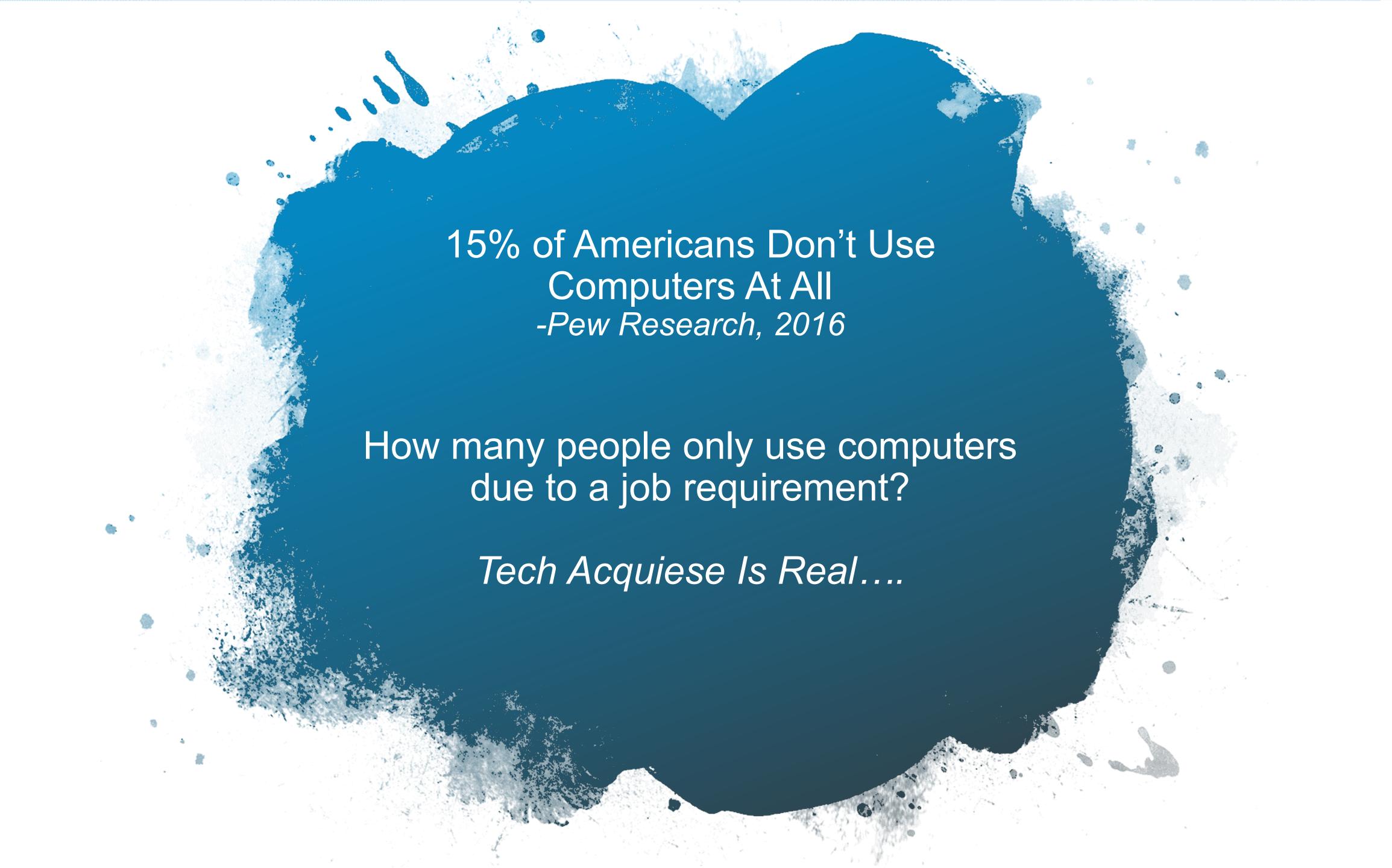
Technology Solutions

# Tools Are Great

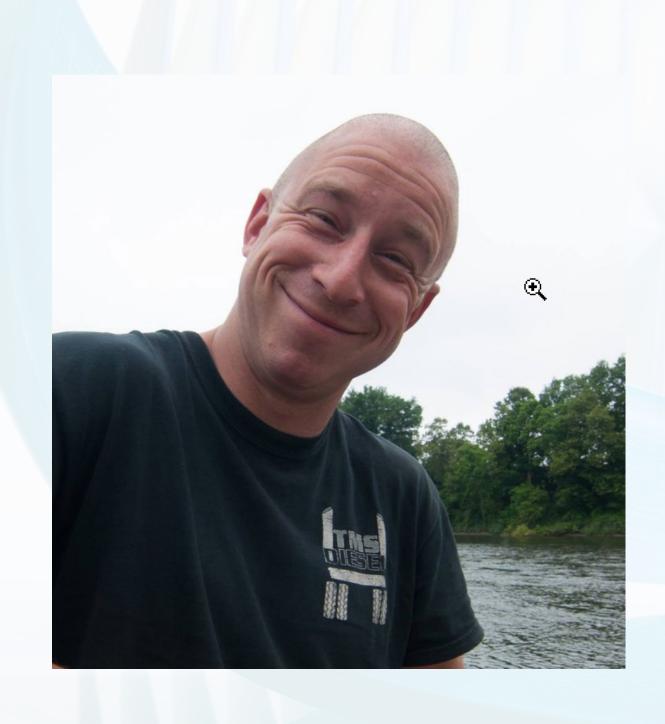


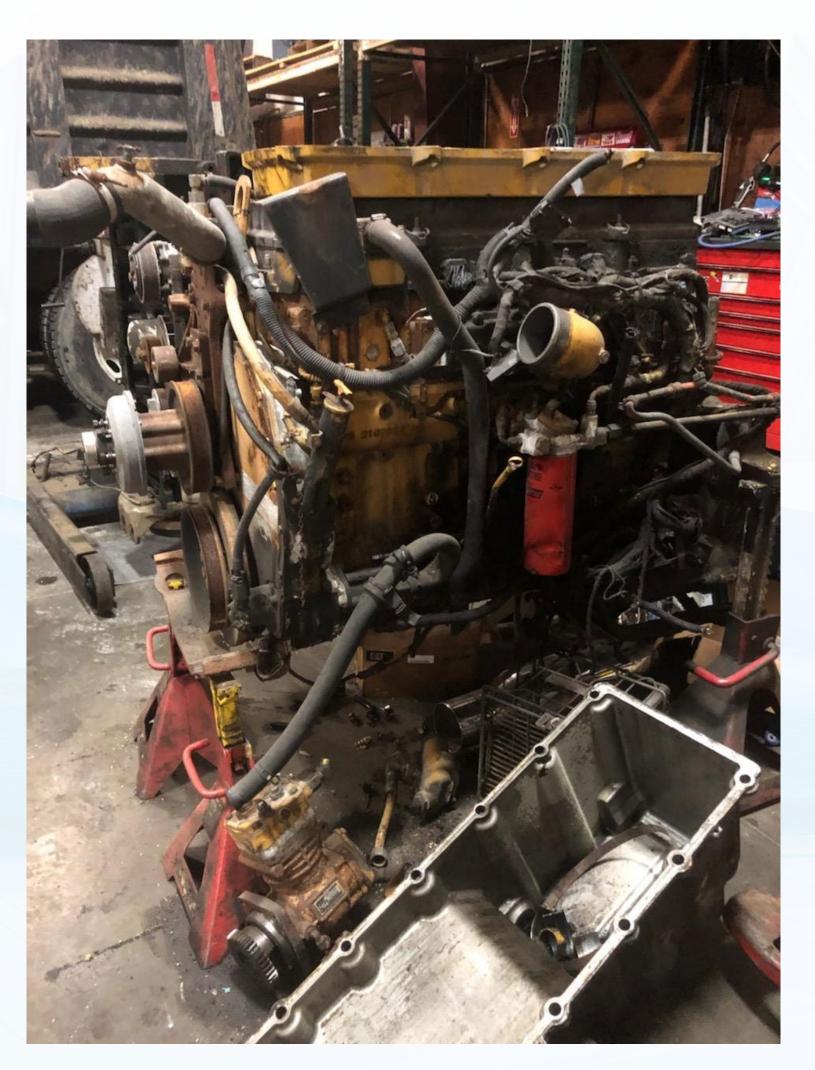


Not Always



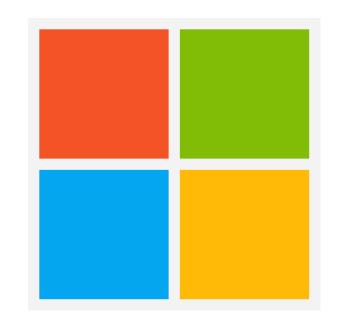
## User Profile: Dave



















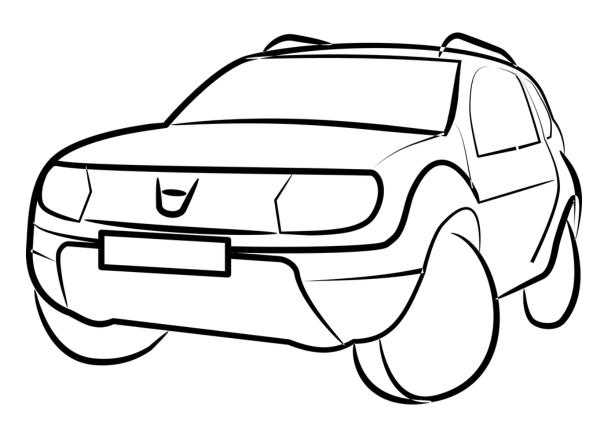














### Talk to Autodesk Forge



Sure Let me get the Test version of Autodesk Forge.



This is Autodesk Forge, how can I help you?

Edit My Project



What's the project name?

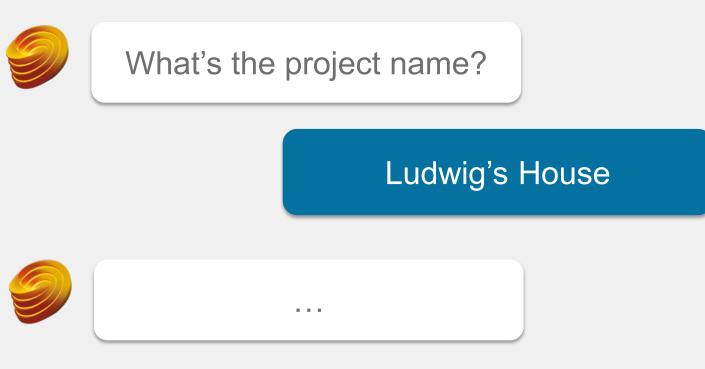
Ludwig's House



Edit My Project

Training phrases ② **99** Add user expression 99 edit my project edit shipping container at franks house edit shipping container **99** add structure to project **99** add structure to franks house add to franks house

**99** Add to project

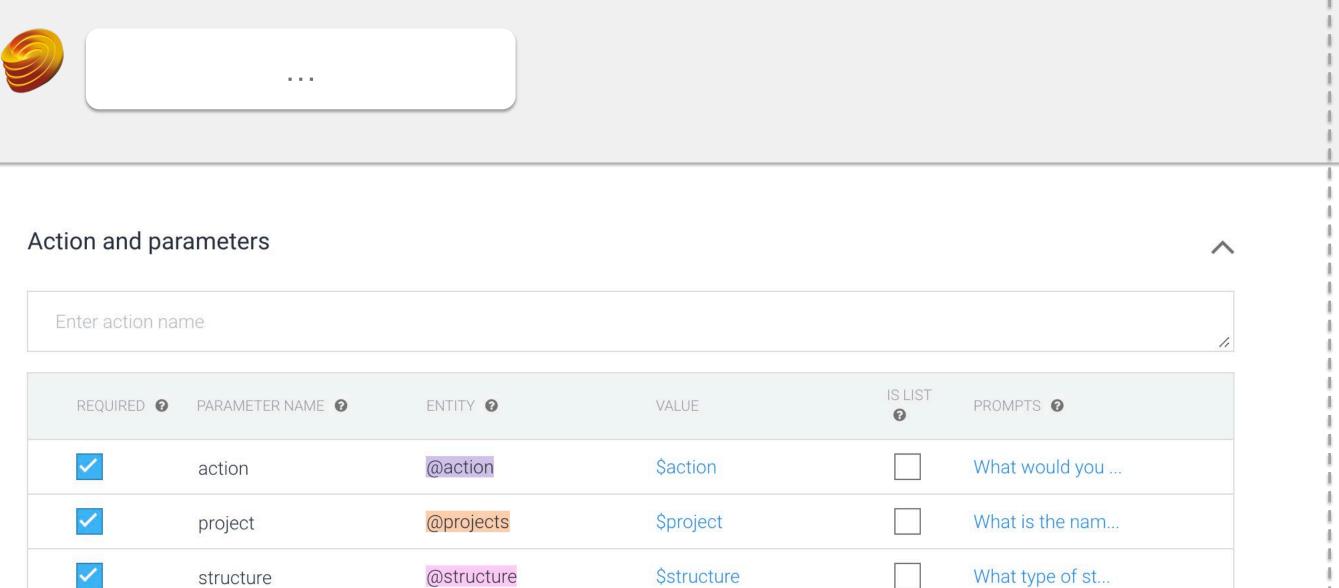


containerSize

material

location

**/** 



\$sizeOfContainer

\$material

\$location

@containerSize

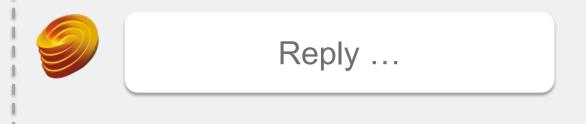
@material

@sys.any

What size conta...

What material? ...

Where would you...





### **Technical Gotchas**

#### **AUTHENTICATION TO FORGE**

- Most Forge API's require 3-Legged Authentication
- User must use a GUI to login at least once
- Server can store OAuth token

#### SERVER RESPONSE TIME

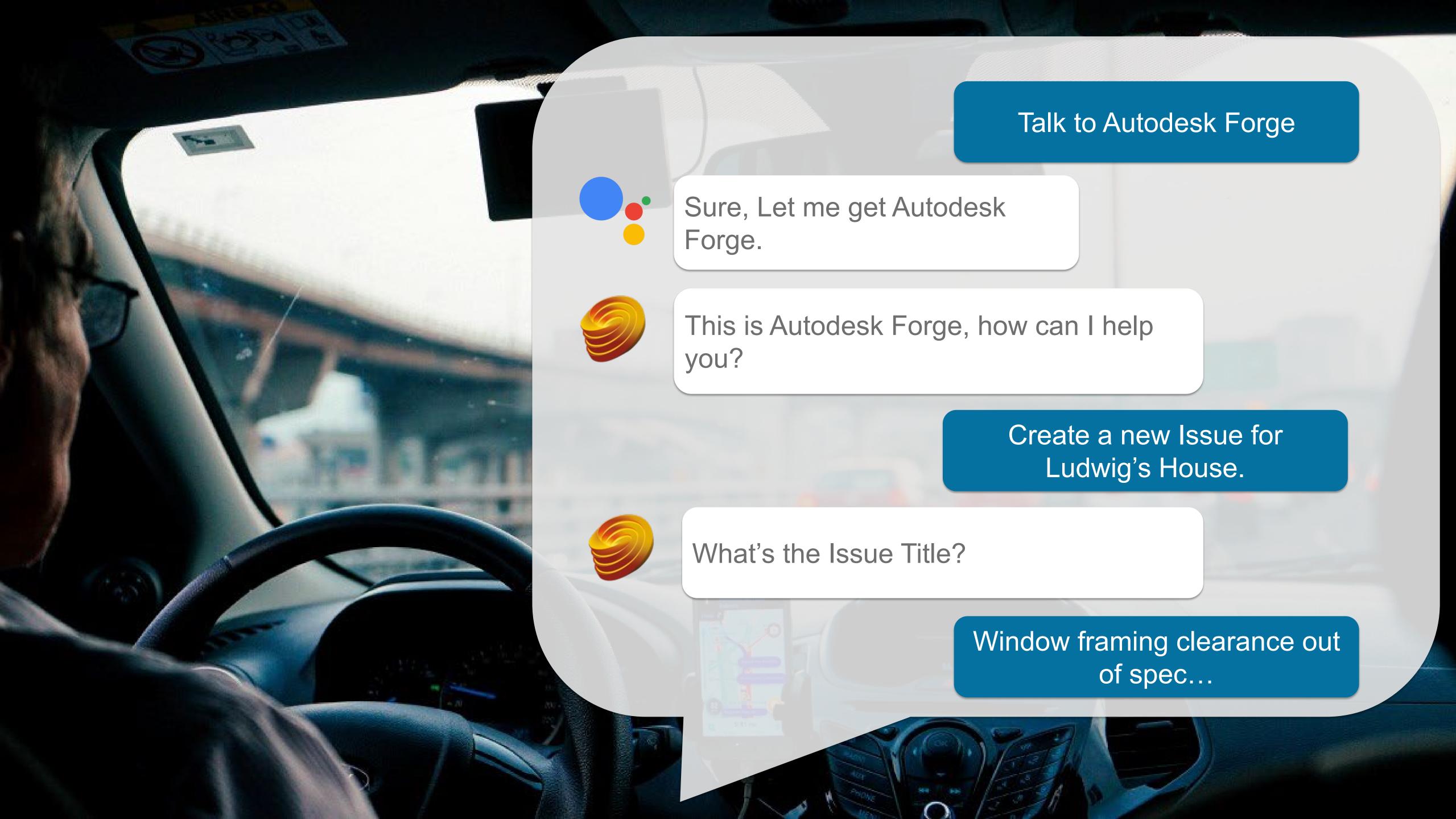
Response must come back in no more then 3 – 4
 seconds otherwise timeout will occur

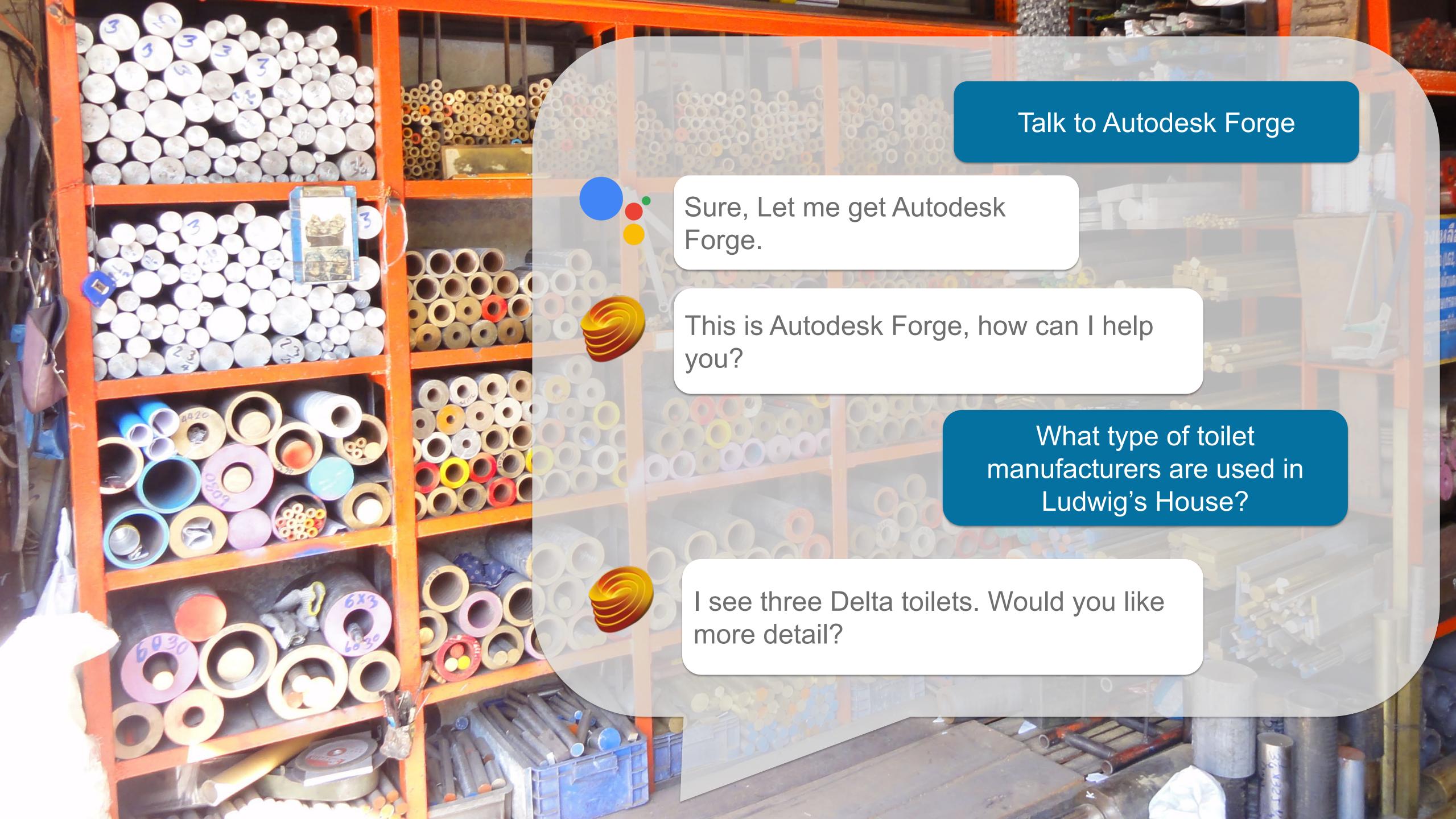
DATA PREP-PROCESSING



User Name
Latitude, Longitude
Address
Device Type
Google Sign-In (Requires
Screen)

User Name
Latitude, Longitude
Address
Device Type
Google Sign-In (Requires
Screen)









Autodesk Forge would like to talk to you.



You have an uncompleted Safety Walk checklist due today on Ludwig's House. If you help me answer a couple of questions, I can help you complete it.

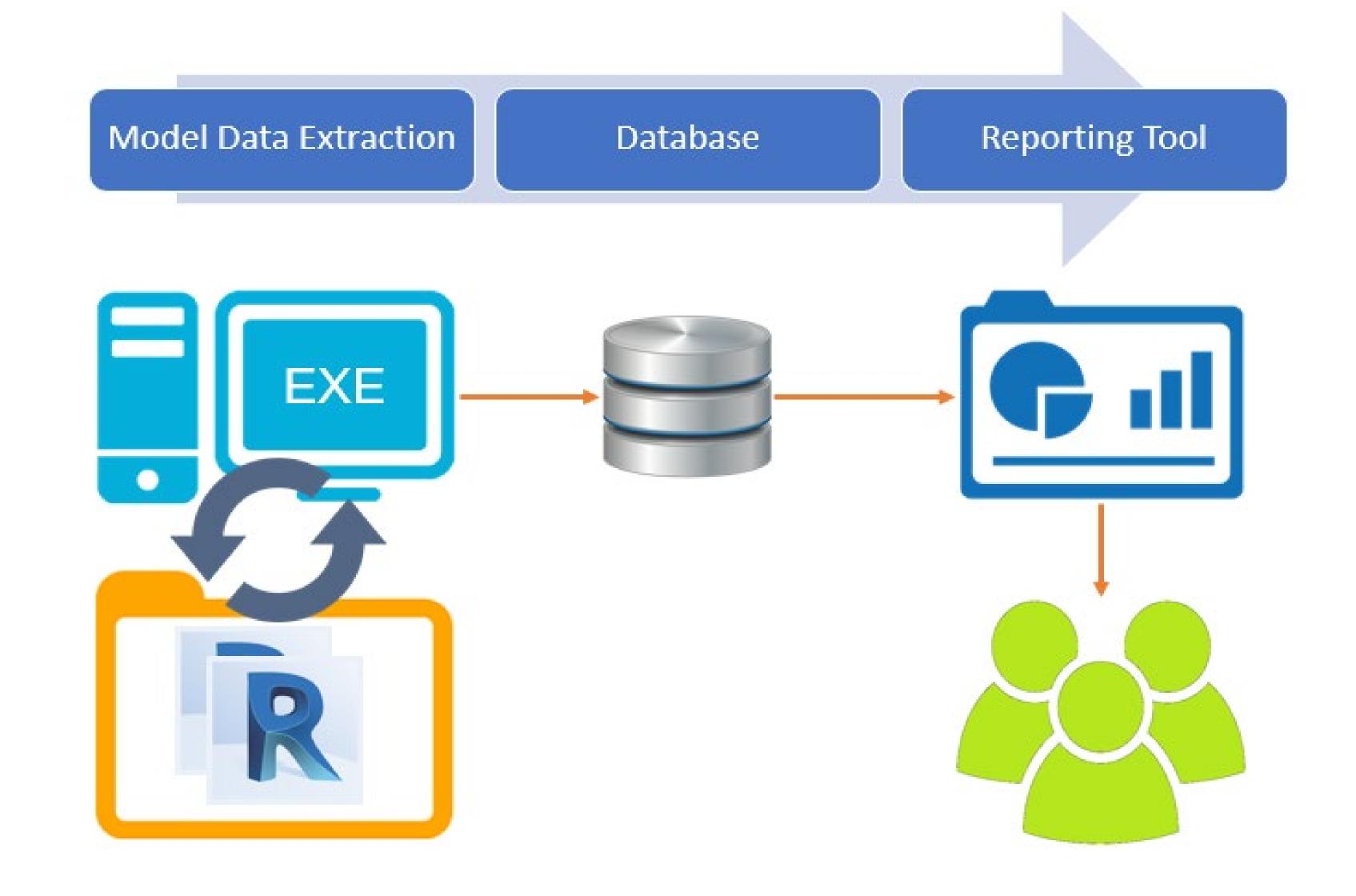
## Demo – Farnsworth House

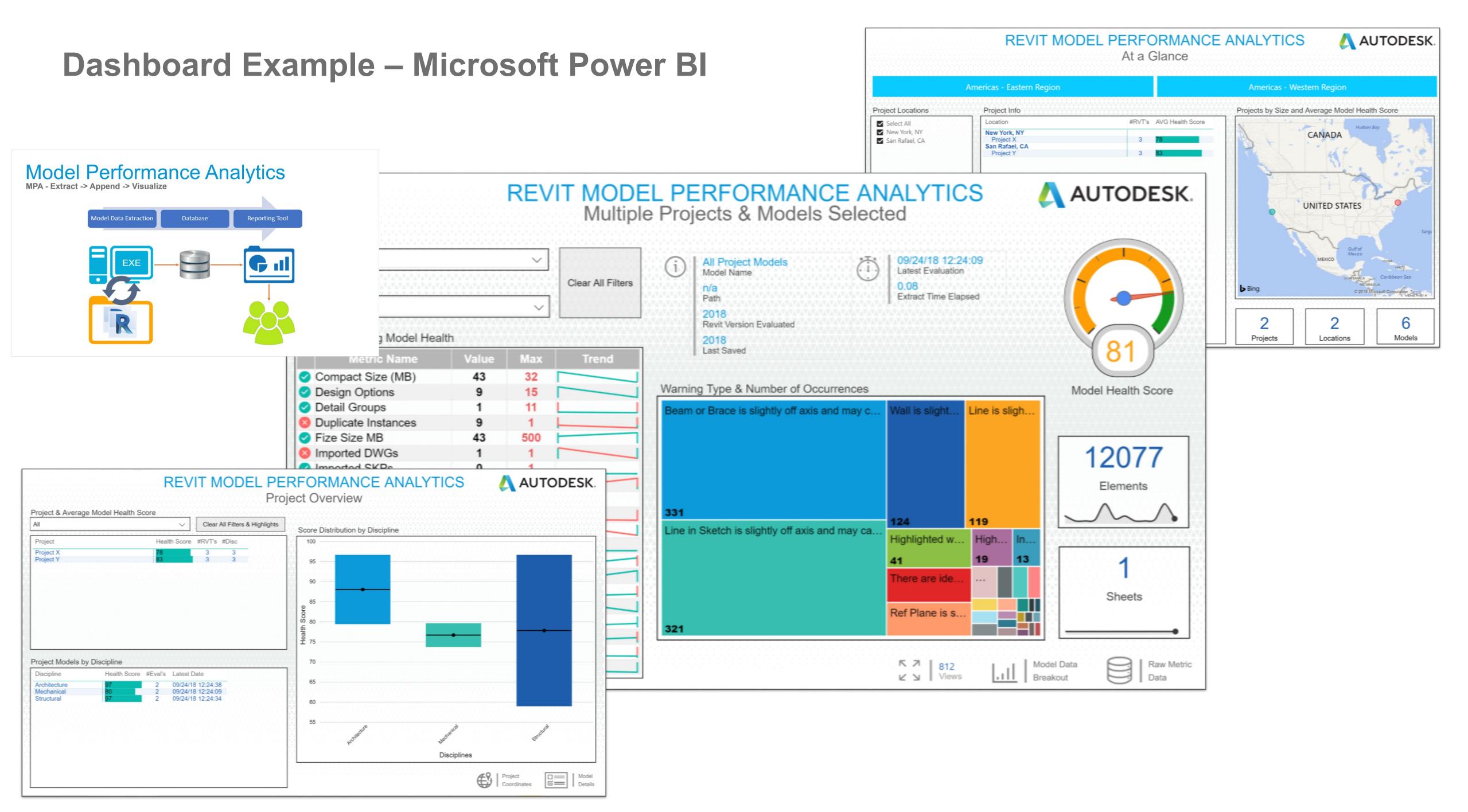
- Farnsworth House was designed and constructed by Ludwig
   Mies van der Rohe between 1945 and 1951
- The steel and glass house was commissioned by Edith
  Farnsworth, M.D., a prominent Chicago nephrologist as a place
  where she could engage in her hobbies—playing the violin,
  translating poetry, and enjoying nature.
- National Historic Landmark in Plano, Illinois (2006)



# Model Performance Analytics

MPA - Extract -> Append -> Visualize





## Health Score Voice Assistant

