



# Connecting Desktop and Cloud – Analyse, Visualise and Report Universal Component Usage

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AUTODESK UNIVERSITY 2015

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## Class Summary

Connect desktop and cloud: analyse, visualise and report universal component usage using node.js, MongoDB, WebGL, View and Data API

# Key Learning Objectives

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

- Connect desktop application with cloud and mobile apps
- Architect a completely portable cloud-based data repository, geometry viewer and navigator
- Make creative use of node.js, WebGL and the Autodesk View and Data API
- Implement a basic generic universal component usage analysis, visualisation and reporting app

# Jeremy Tammik

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Jeremy is [The Building Coder](#) and [The 3D Web Coder](#). He works with the Autodesk Developer Network [ADN](#) team on Autodesk APIs and web services, providing developer support, training, conferences, presentations, and blogging on the Revit API and cloud and mobile technologies.

He joined Autodesk in 1988 as the one and only European technology evangelist driving AutoCAD application development in Europe, USA, Australia, and Africa. He co-founded ADGE, the AutoCAD Developer Group Europe, and is a prolific author. He left Autodesk in 1994 to work as an independent HVAC (heating, ventilating, and air conditioning) application developer and rejoined the company in 2005.

Jeremy graduated with degrees in mathematics and physics from the Philipps University of Marburg in Germany. He worked as a teacher and translator of both computer and human languages and as a C++ programmer on early GUI and multitasking projects.

Jeremy is fluent in six European languages, vegetarian, has four kids, one grandchild, loves cooking, climbing, hiking, sports, nature, music, dancing, theatre, literature, art, photography, travel, mountains, oceans, meditation, spirituality, yoga, carpentry, adventure, survival, problem solving and challenges of all kinds.



# Slides are for Wimps!

Real developers put it on the web

[http://thebuildingcoder.typepad.com/blog/2015/11/  
connecting-desktop-and-cloud-room-editor-update.html](http://thebuildingcoder.typepad.com/blog/2015/11/connecting-desktop-and-cloud-room-editor-update.html)

[http://thebuildingcoder.typepad.com/blog/2015/11/  
connecting-desktop-and-cloud-at-au-and-devdays.html](http://thebuildingcoder.typepad.com/blog/2015/11/connecting-desktop-and-cloud-at-au-and-devdays.html)



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**SD11048 – Connecting Desktop and Cloud**



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