Walk-in Slide: AU 2014 Social Media Feed

1. Click on the link below, this will open your web browser

http://aucache.autodesk.com/social/visualization.html

2. Use “Extended Display” to project the website on screen if you plan to work on your computer. Use “Duplicate” to display same image on screen and computer.

Managing Data in a Multisite Environment

Ives Veelaert

Technical Sales AEC NE

Housekeeping Rules

- Keep mobile phones silent
- Q&A at the end



Class summary

In this session we will explain how Revit Server and Autodesk Vault Professional can be setup across sites to manage AEC project information.

Key learning objectives

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

- Understand Revit Worksharing software
- Discover the workings of the Revit Server application
- Discover file replication within a Vault Professional software environment
- Understand how the Revit Server application and Vault Professional software communicate

Agenda

- General Overview
- Revit Overview
- Revit (standalone) + Autodesk Vault Professional
- Revit Server
- Revit Server + Autodesk Vault Professional
- Replication

General Overview

General Overview

- Metadata
- Searching
- Reporting

Revit Overview

Revit Overview

- Viewing
- Linking

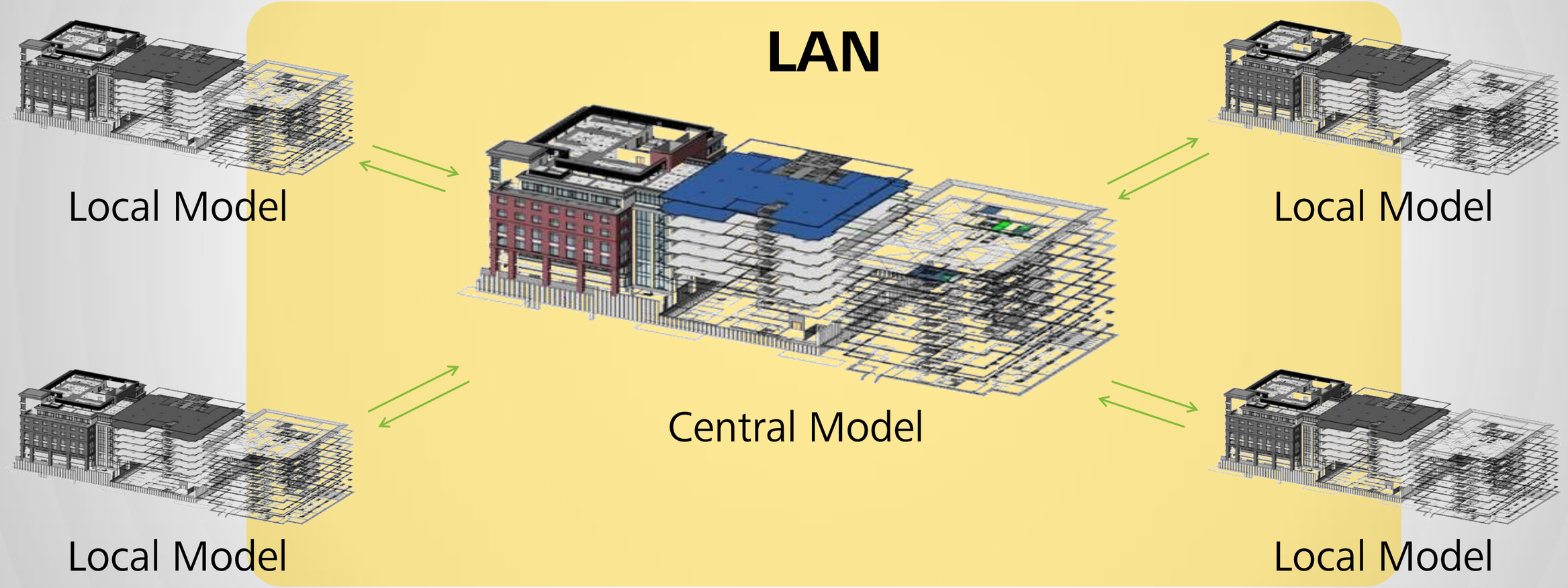
Revit (standalone) + Autodesk Vault Professional

Revit (standalone) + Autodesk Vault Professional

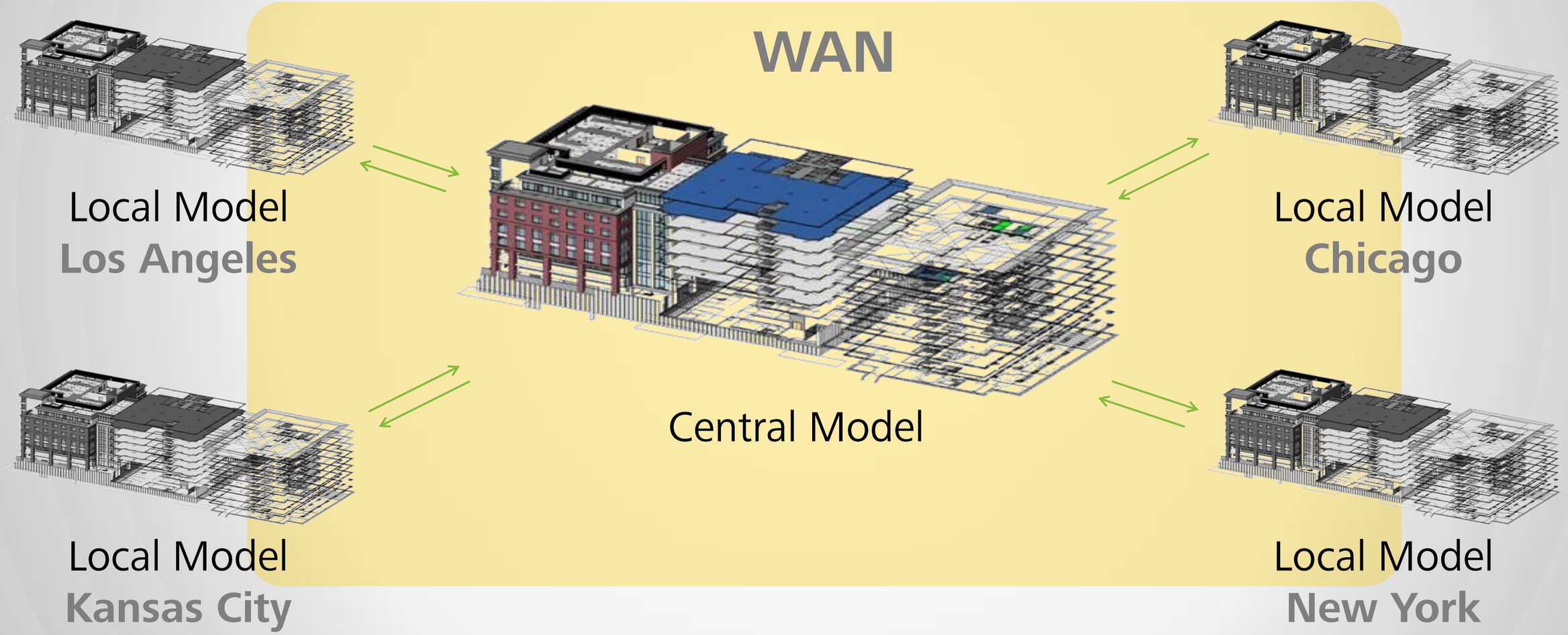
- Data Standards
- Edit properties
- Workflow with buzzsaw

Revit Server

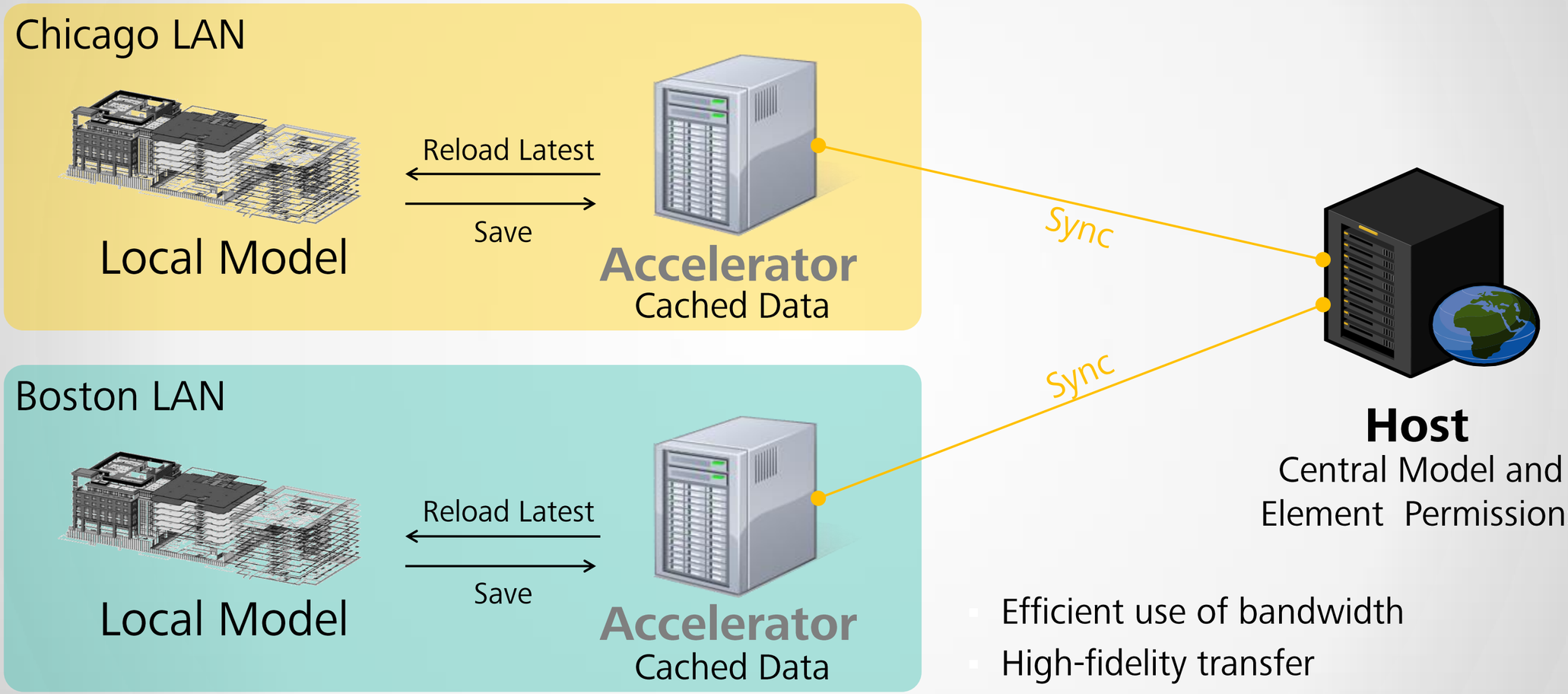
Revit File-Based Worksharing



Revit Server Worksharing



Revit Server



- Efficient use of bandwidth
- High-fidelity transfer

RevitHost - VMware Player

Player

Recycle Bin



Start

RevitAcc - VMware Player

Player

Recycle Bin



Start

Revit 2015

Ives

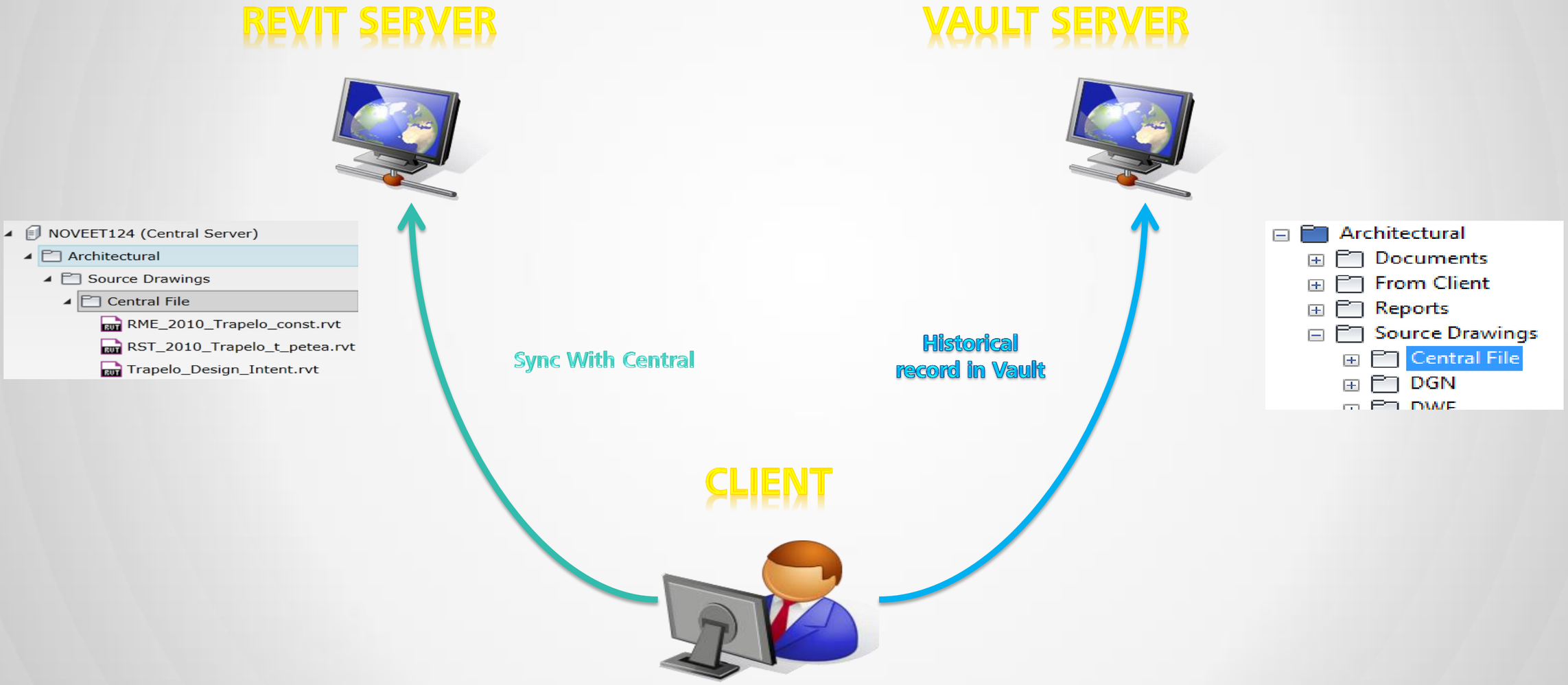
Revit 2015

John

AUTODESK.

Revit Server + Autodesk Vault Professional

Revit Server and Vault



Revit Server and Vault

Editing files is an automated process where documents are locked on the server, then copied to the local computer.

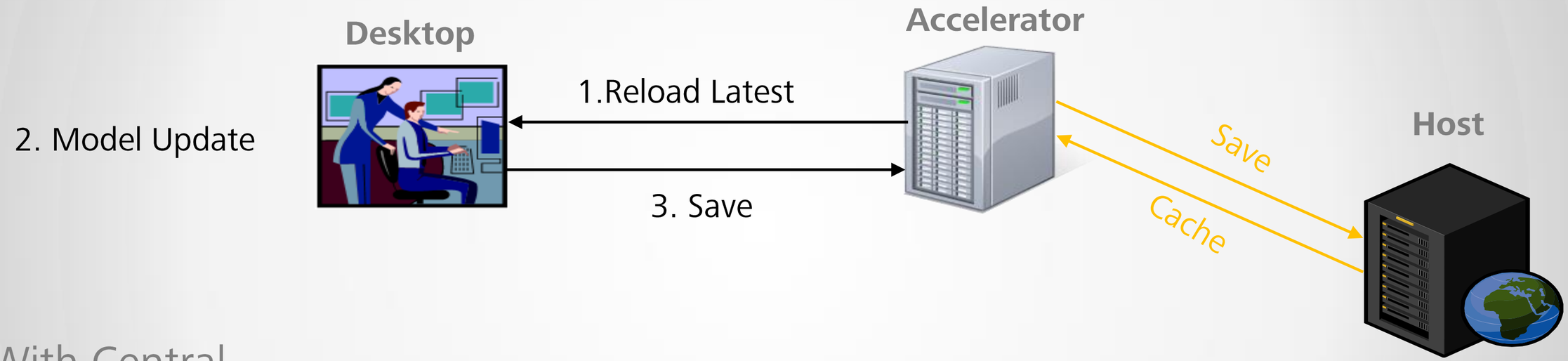
Local Workspace



Vault Repository



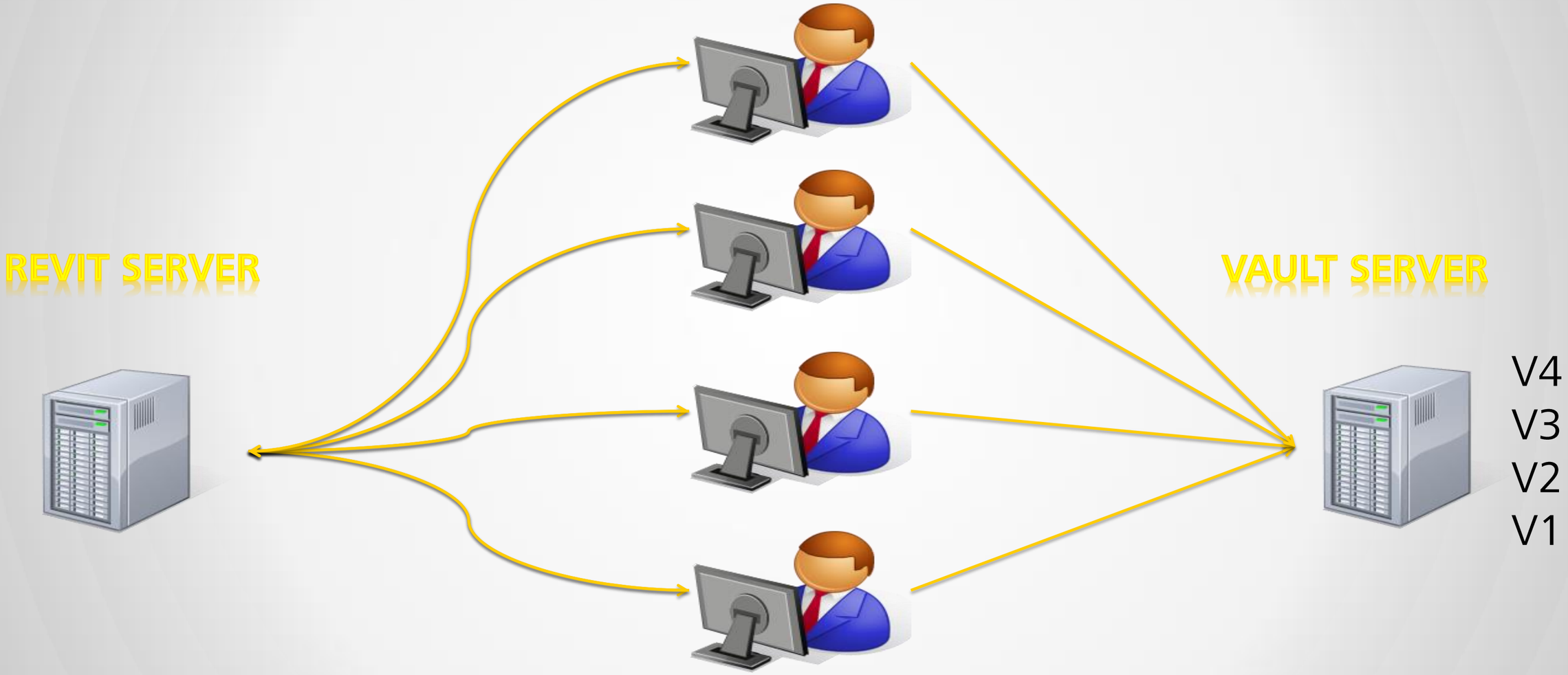
Revit Server and Vault



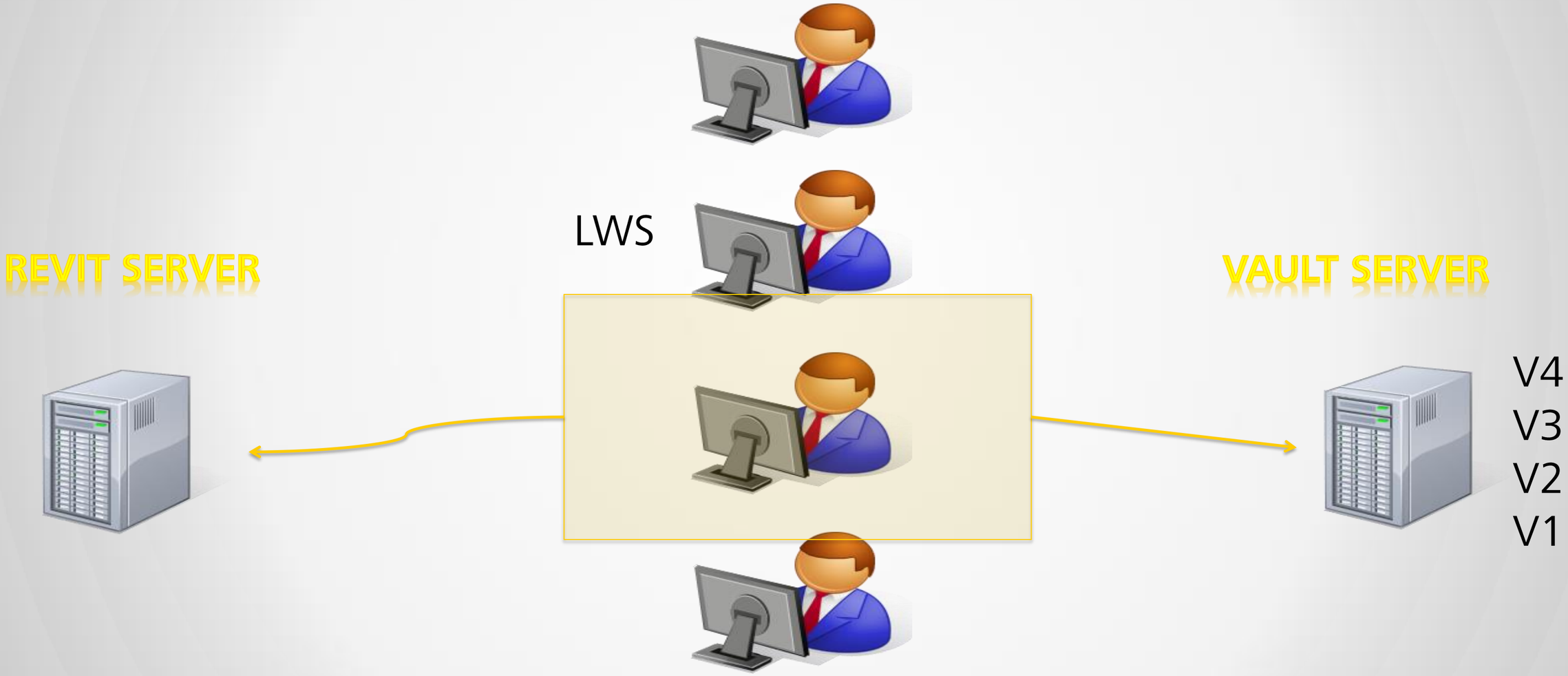
Sync With Central

1. Reload Latest: From data cached on Accelerator requested from Host
2. Model Update: Desktop
3. Save: Data migrates to Host via Accelerator

Revit Server and Vault



Revit Server and Vault



Replication

Connecting to Vault



Definitions



Microsoft SQL Server – stores the metadata extracted from files when they are added to the vault.



File store – the file system that stores the actual files checked in by the clients.



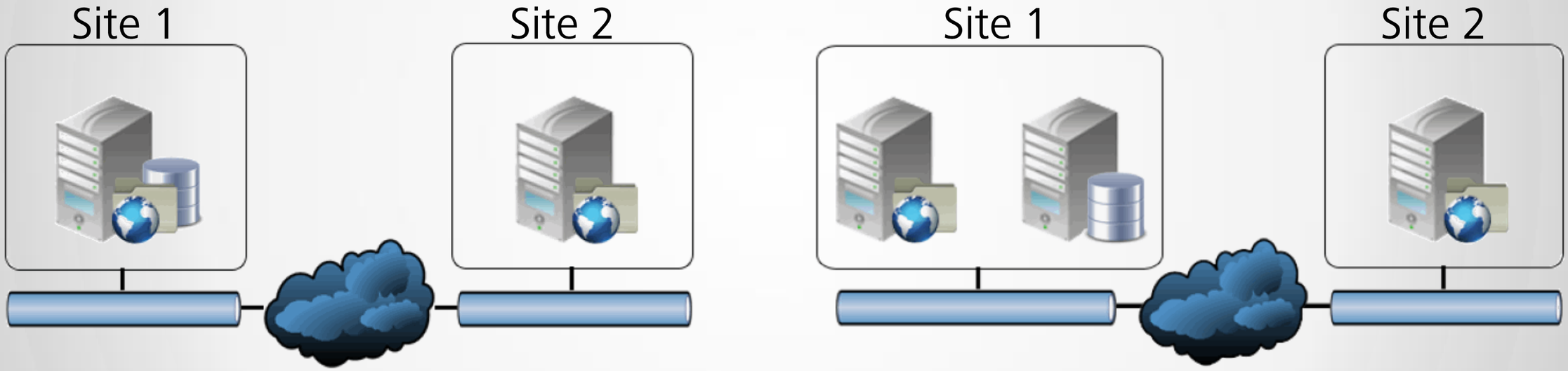
Internet Information Services (IIS) – Web services used for client-to-server communications. It uses standard HTTP methods, communicating over port 80 by default.



Autodesk Data Management Server (ADMS) – a standalone application which allows you to create and manage vaults and libraries.

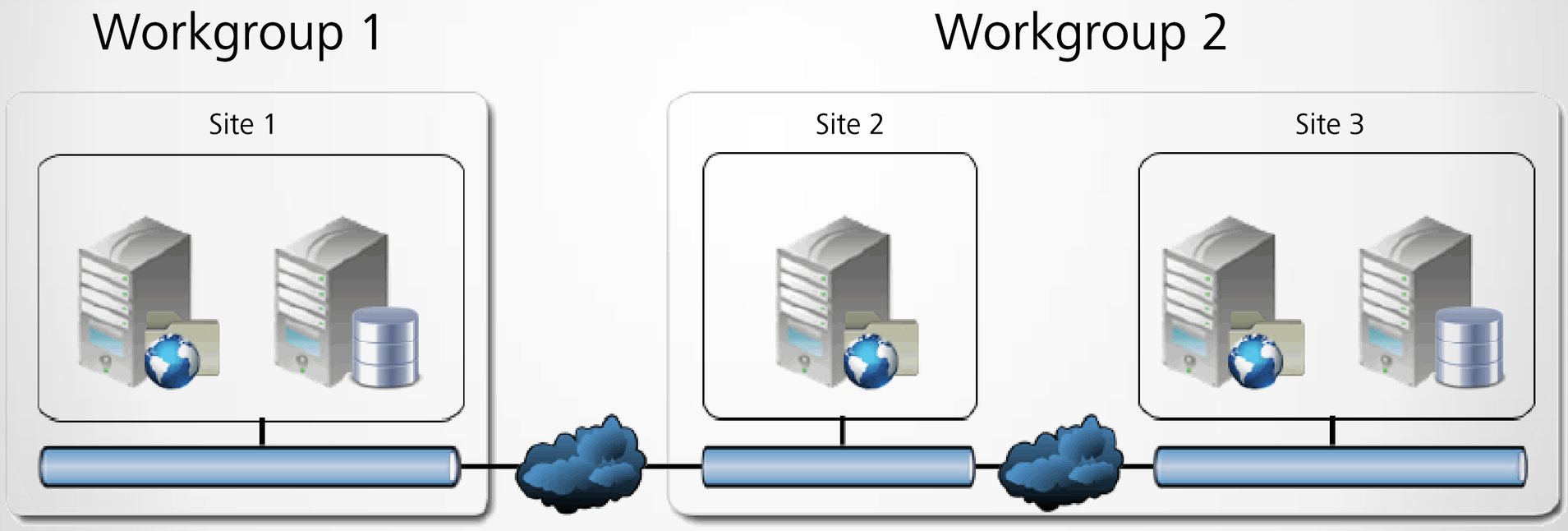
Replication

- Multi-Site



Replication

- Connected Workgroups



Definitions

- **Site** – A location where the Vault server software is installed for users to connect to with their client application.
- **Workgroup** – A group of sites connecting to the same SQL database.
- **Publisher** – the first SQL server configured in a full replicated environment.
- **Subscriber** – SQL servers connected to the Publisher in a full replicated environment.

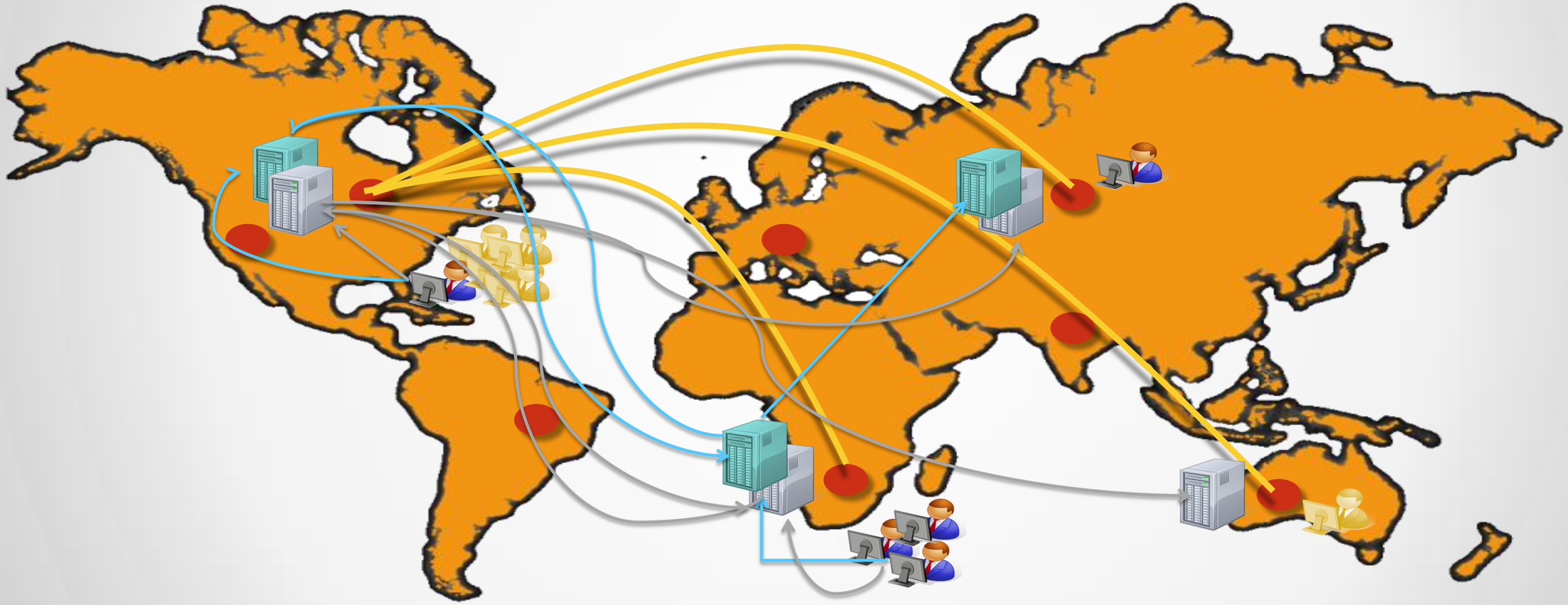
Scale Across Multiple Sites

Vault Server

Revit Server

Vault User

Revit/Vault User



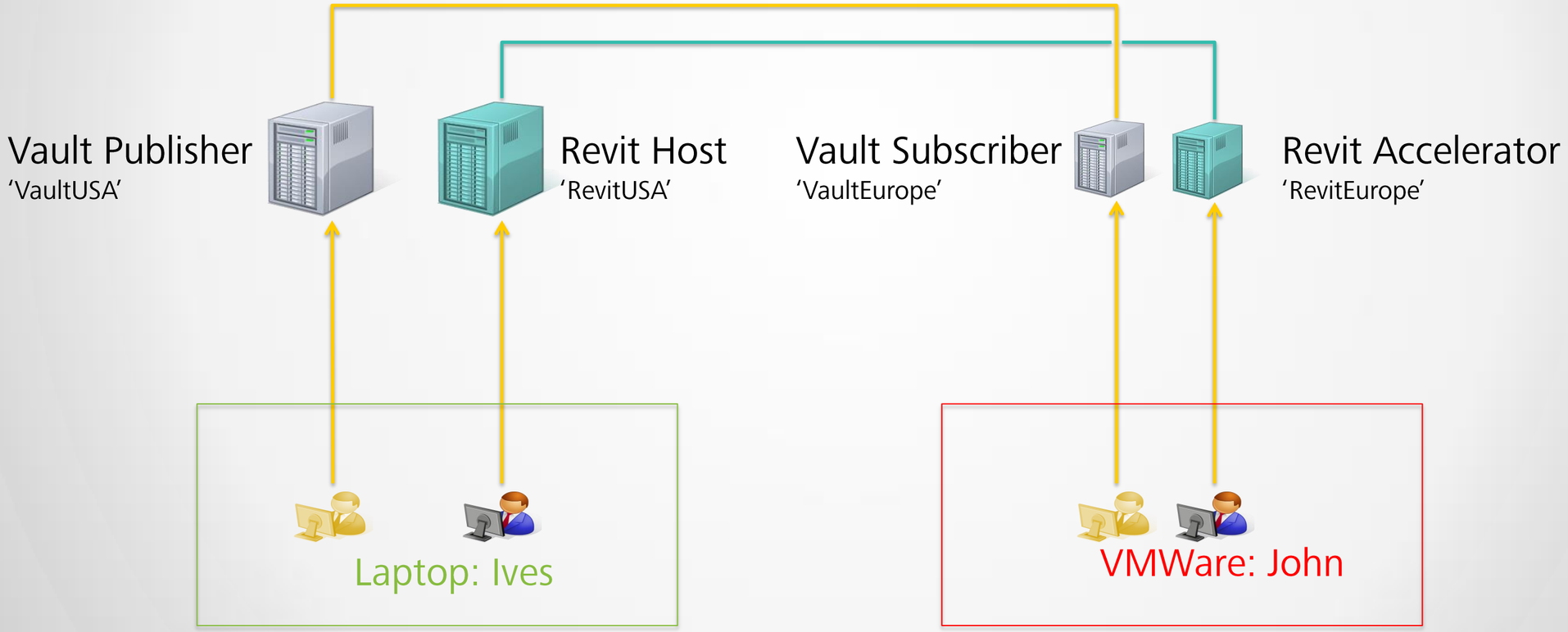
Example:

Vault Server

Revit Server

Vault User

Revit/Vault User



Q&A

Session Feedback

- Via the Survey Stations, email or mobile device
- AU 2014 passes given out each day!
- Best to do it right after the session
- Instructors see results in real-time





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