Autodesk® Revit® software is specifically built for Building Information Modeling (BIM), helping building professionals design, build, and maintain higher-quality, more energy-efficient buildings. Autodesk Revit is now available as an application that combines the capabilities of Autodesk® Revit® Architecture, Autodesk® Revit® MEP, and Autodesk® Revit® Structure software.
product features

Autodesk® Revit® provides tools that support architectural design, MEP engineering, structural engineering, and construction. Revit helps you design, build, and maintain higher-quality, more energy-efficient buildings.

ARCHITECTURAL DESIGN
Specialized features for conceptual design, analysis, rendering, and coordinated documentation help you work freely, make more informed design decisions, and deliver higher-quality architectural designs.

MEP ENGINEERING
Integrated features support mechanical, electrical, and plumbing systems modeling, analysis of systems design, more accurate construction documentation, and easier export of design models for cross-discipline collaboration.

STRUCTURAL ENGINEERING
Provides tools built specifically for structural design, analysis, and engineering—including parametric components, design and analysis integration, and multiuser collaboration—to help reduce errors, save time, and deliver the benefits of BIM.

CONSTRUCTION
Integrated features for construction modeling help you to more quickly understand means, methods, and materials, and how they come together to realize a project’s design and improve project delivery.
10+ million users in 800,000 companies take advantage of:

- The broadest and deepest product portfolio in the design business
- Support of 3,600 development partners around the world
- Upcoming workforce from 1.2 million students trained annually
- Our consumer applications that touch 1 million people every day

* Autodesk is a public company and does not disclose publicly more that what we have outlined here. We have a strict policy with respect to our customer’s privacy and personnel information and do not disclose customer names or installed base counts for our specific software titles. The details of this policy can be found at: [http://usa.autodesk.com/adsk/servlet/item?siteID=123112&id=14175119](http://usa.autodesk.com/adsk/servlet/item?siteID=123112&id=14175119)
tested product

product name: Autodesk Revit

product version: Autodesk Revit 2014 Build 20130308_1515(x64)

PC or Cloud: PC

website: www.autodesk.com
Designers’ COBie challenge scope

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* and supporting COBie sheets as required per standard.
process

- Install COBie Toolkit as Add-on
- Setup COBie preferences
- Populate and prepare data for export
- Export to COBie XLS(X) file
Setup

• Setup COBie Preferences
  – Contacts
  – Default Settings
Contacts

- COBie Contact Maintenance
  - Store
  - Add, Edit, Delete
  - Import & Export of Contact Lists in XML
Setup

- Setup COBie Preferences
  - Contacts
  - Default Settings
  - Wizard or Selective Process
Settings-General

- General Settings
  - Location Region Selection
  - COBie ID’s
  - Type Settings
Settings-Units

• Data Output Units
  – Automatic data conversion of units if necessary
  • Linear
  • Area
  • Volume
• Select Formatting of COBie Names
• System Output Options
• Determine “Component Space” Containment
  – By Category
  – Revit Room or Revit Space
Settings-Attributes

- Select Attributes
  - Type
  - Component
Settings-Coordinate

- Select Location Point or Bounding Box
  - Component Families
  - Floors/Revit Levels
  - Revit Rooms
  - Revit Spaces
### Settings-Schedules

Choose which Revit schedules to create in your model to help with editing individual COBie fields.

- **COBie Floor**
  - Levels

- **COBie Space**
  - Rooms
  - Spaces

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**Footer:**

07-Jan-14 2014 COBie Challenge for Designers
Settings-Finalize

- Ability to Review Settings
- Save Settings to Drawing
- Export Settings to XML
Modify

- Create COBie Zones within Revit
  - Stored in Revit Extensible Storage
- Select Component Types to Export
- Populate & Update Required COBie Parameters
Modify-Zone Manager

- Create COBie Zones
  - Unlimited "COBie Zones"
  - Graphically select spaces
  - Visual Feedback
- Zone Manager
  - Create zones, edit their properties, and assign Revit Rooms and Spaces to them.

[Image of Zone Manager interface]
Modify-Select Elements

• Select Component Types to Export

Modify-Select Elements
Modify - Update Values

- Populate required data
- Transfer and format data to COBie attributes
Export

- Select Worksheets to export
- Select File Name
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What’s new in 2014...

• Improved Interface
• Wizard like process
• XML Import and Export Contacts
• Save Settings to Model
• Import and Export of Settings to XML file
• Improved Application Feedback and Status
• Performance Enhancements
• Telephone/email Support
• Single Tool supporting US and UK COBie
Availability

• Beta Complete
  Thank you to participants

• RC 1 Available now
  https://www.dropbox.com/sh/6rme1ptse5scn6x/qmJmFsHouG
  Link will also be available on the 2014 Autodesk COBie Results Page of the NIBS/BuildingsSMART Alliance
Additional Resources

• Revit for COBie Webinar
• Data Transfer Tools
• Autodesk Exchange Apps
  http://apps.exchange.autodesk.com/en
• Revit Industry Tools and Templates
  www.autodesk.com/buildingowners
• Revit COBie Toolkit and information will be at:
  www.autodesk.com/campaigns/interoperability
New BIM Interoperability resource page now live on Autodesk.com

We are pleased to communicate that a new landing page dedicated to publicly articulating Autodesk’s commitment to and support of BIM interoperability is now live at www.autodesk.com/campaigns/interoperability.

This page provides a credible and easily citable resource that details Autodesk’s commitment and involvement with IFC and COBie. As a strategic asset, this page can serve as a destination and source of information for customers seeking to understand Autodesk’s position as well as to access open standards resources.

Featured on this page:
- Details of Autodesk's historical involvement in BIM interoperability and IFC standards, and an explanation of our ongoing commitment to support industry standards and open source data exchange methodologies.
- Information on Revit software IFC certification
- A downloadable (PDF) Autodesk-authored white paper on IFC Interoperability
- Links to valuable resources:
  - IFC Exporter for Revit
  - COBie Toolkit
  - STL Exporter
  - buildingSMART web pages

Videos by Autodesk experts on IFC Standards and COBie will be added to the page in the coming weeks. Going forward, this page will be a resource to communicate updates and promote relevant announcements and press releases.

Internal-facing assets and information are also posted to One Team Source.

For comments regarding this webpage contact Sylvia Knauer.
For questions regarding BIM interoperability, contact John Sullivan or Angel Velez.

www.autodesk.com/campaigns/interoperability
Thank You...

rich.mitrenga@autodesk.com