

## Creating a “COBie2” enabled project in Revit 2010

The attached zip file contains some files that will allow you to attached COBie2 data fields to a new or existing Revit Project. Note that this process has been tested in Revit 2010 and not fully tested in Revit 2011.

Minimum Files that you will need:

- **COBie2V1.rte** Revit template to select when starting a “new” Cobie2 enabled project. It contains all the special type and instance parameters that give you Revit elements additional non-graphic COBIE data. It also contains specially formatted Revit Schedule that correspond to the tabs in the COBIE deliverable spreadsheet
- **COBie2V1BlankProject.rvt** This is really a blank project that was used to create the Revit COBIE2 template above. When you need to “COBie2 enable” an existing project, you cut and paste the schedules from this rvt file into your existing rvt project.
- **COBie2Template.xls** This is an excel spreadsheet formatted according to the COBie2 specification. Populate this spreadsheet with the corresponding Revit COBie2 schedules. You will need to export the COBie2 schedules from Revit to CDF (comma delimited format) files to do this.
- **UpdateRevitExternalIDName.dll** This is a Revit macro that runs as an external tool in Revit called “Update COBIE Parameters”. It fires up a dialog box that allows one to add GUID (global unique identifier) to the special Revit COBie2 schedules. In addition it has options for specifying some of the defaults and optionally populating OMNI Class data to the COBie2 Schedules.
- **AddtoRevit\_ini\_[ExternalCommands]\_Section.txt** This needs to be inserted/append to your existing Revit.ini file. This Revit.ini file by default is located in C:\Program Files \Autodesk Revit Architecture 2010\Program

Configuring Revit to use “Update COBIE Parameters” External Tool

- Find your existing Revit.ini file and open it with a text editor
- Open up **AddtoRevit\_ini\_[ExternalCommands]\_Section.txt** with a text editor
- Look to see if you already have an entry “[ExternalCommands]”
- If there is no entry paste in the contents of **AddtoRevit\_ini\_[ExternalCommands]\_Section.txt** and replace the “#” with the number “1”
- If there is already an entry paste in these contents without the first “[ExternalCommands]” and replace the “#” with a number that corresponds the logical count for Revit External programs configured. For example if all that have running is the BIM checker, when you add this COBIE command you would use “2”.
- Launch Revit and Verify that this “Update COBIE Parameters” Tool is available at External Tools menu

You should now be ready to start a new “COBIE Enabled” Revit Project or add COBIE Data Intelligence to your existing Project


- If a new project, start using the provide COBie2 Template
- If an existing project cut and paste the COBie2 Schedules from the COBie2BlankProject.rvt into your existing projects
- Fire up the Update COBIE Parameters” tool and set up your COBie2 project defaults

Pay special attention to the special Revit Schedule "COBie2 Components to Schedule"

- We understand that several projects teams want to leverage the COBIE standard but they may only want to focus on just a subset of the data for some of their pilot projects
- This schedule has been set up so that project teams can decide what specific elements in a Revit model that that want added to the Revit COBie2 schedules
- Click on the Radio buttons to include/exclude what Revit Elements/Components get schedules and eventually exported to the COBie2 Spreadsheet

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