



Case

We will present an example on how to use iBrain through a simple workflow, between real estate agencies and an energy supplier.

The example of this case is based on an issue arising from transactions of properties.

The need for an exact reading of energy is to make sure that the energy consumption is consistent, with the consumption of the previous owner.

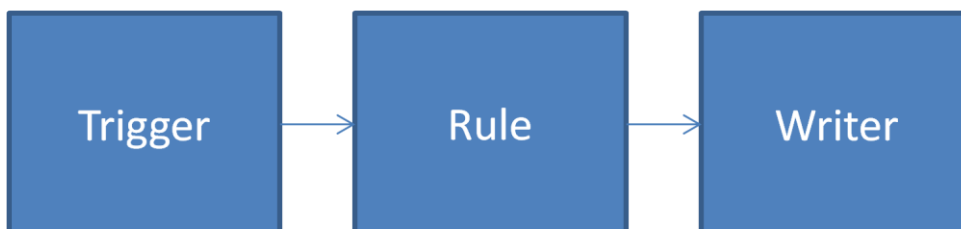
In case the energy readings do not come in time i.e. if it comes after the transaction has been taken place, the real estate agency will be responsible for paying an estimated consumption. Therefore it is in their interest, to be able to report the read energy consumption in time.

Let us now focus on the following situation.

Estate agents report the current meter count figures for energy supply. If the real estate agent needs the previous consumption, the estate agent will retrieve them from the energy supplier.

Before we show a detailed review of the case study we will briefly show the overall picture of how the workflow with iBrain works.

An illustration of the process of energy reading, Trigger – Rule – Writer.



“Trigger” is the input, the source which iBrain listens to and from where it is being processed on.



“Rule” is where the business logic is being attached to the input. It defines where output from the “Writer” should be sent as well as what format the input must match to get processed by this part of the flow. If a conversion should take place, it will occur in the Writer process.

The creation of a workflow is as follows:

- A new workflow is created and defined as a “Trigger”. The Trigger is chosen in a pre-defined Trigger list.
- Using XPATH, the desired business logic is attached to “Rule”, which also defines the output destination.
- “Writer” distributes the input data, through to a defined destination, through an Output-Leaf.

The input format is being converted into the needed output format with XSLT in the Writer process, or with pre- and post business adapters, that could enrich the data or handle special business processing logic. The end result is that we can have several outputs from one single input.



Process description

A new workflow is created, by pressing the **“new workflow”** icon. We name it **“Energy Report”**, together with a description and press **“Done”**.

Now we have to define the source, from where the input comes. We select **“DONG Energy”** from a list of possible **“Triggers”**, which are pre-defined in the **“Trigger”** section. These Triggers are defined by a **“Super User”**.

Now attach a business rule, by using **“Add Rule”**. We name it **“DONG Energy Report”** add a rule with XPATH and press **“Done”**. The new business rule will appear on the list and it is now possible to add a **“Writer”**.

“Writer” is chosen from a pre-defined list, precisely as we did in the **“Trigger”** section. In this case, we want the output sent to Navision, but it could easily be another system such as SAP, Axapta, Visma, Open ERP and more.

Energy Reports

Title:
Description: [Save](#)

[Add an additional trigger](#) [Add a new business rule](#) [Publish workflow](#)



There will now be added another business rule, which handles the case, when a Real Estate Agent requests the last valid consumption from the energy supplier. It means that we add a rule, name it Annual reports, and define the rule which in this case will be Annual Gas Reports and then press **“Done”**.

The request must be forwarded to the energy supplier. Therefore, we add an output from a pre-defined list, which ensures that the workflow comes all the way through the process. This could be as simple as a PDF attached to an e-mail.

It is possible to add post or pre processes. For instance if we wanted to address a certain person within the energy company, i.e. the person in charge of the local area.



We could add a pre-process, which will search for the right contact person in the database.

Appetizer to the web

iBrain automates the manual workflows using an flow. The logic is based on where data comes from, what data is and where to go. It is that simple. In case that you need to monitor a specific data activity iBrain lets you do that easily. Once again the user will receive a clear view of the requested data activity. Adding iBrain to your business means effectiveness without having to install a total new IT-system.