Here are the steps involved in the simple mapping with one transformation rule, which I have implemented for demo purpose in my machine.

Comparing ODI 11G and ODI12C, (I was searching for interfaces 😊)

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Steps involved making a simple mapping:

**Step 1**: Create a table in database (oracle for eg.). I have created STG.TEST_001, STG.TEST_002 and STG.TEST_003 (With each has ID and NAME as columns). (STG is schema, TEST_*** are tables)

**Step 2**: Login to ODI and create master and work repositories, as I did in my early 11g configuration. It is similar.

**Step 3**: Login to work repositories and create a physical, logical schema in the Topology. I have left the context as Global as it is demo. You could create one of your requirements.
I have created system as the high level DBA user, which could navigate to the STG schema/user.
Step 4: Navigate to the Designer and create a model in the models section. Reverse engineer the model’s data store (tables).
Step 5: Create a new project.
Step 6: Create a new mapping and name it accordingly.
Step 7: Drag the source, target tables (source to target, sources to target and sources to targets also could be done). Mapping by dragging the columns required as shown in the below picture. I have given some transformation rule (not mandatory) with one join. (Default is one source set and targets are outside the source set which is TEST_003 in placed in different base)
Click on the target (TEST_003 column name), you will the below properties. And edit the upper function. The hint could be source, staging or target as you will see the radio buttons in the 11g.
Click on the header of the target (TEST_003) will get the following properties to set before execution,

I didn’t choose any KM for this, but you will get Control Append, Incremental Update and slowly changing dimension in the INTEGRATION TYPE. 😊
Navigate to physical tab from logic tab,

Validate mapping by clicking the tick mark,

A successful validation will be shown in the window Validation Results,
Step 8: Run the mappings

I have not configured agent, so I will run in the local (no agent) for this mapping.

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**Step 9**: Navigate to operator to see the run,

<Done with the simple one to mapping>