Value Mappings in SAP PI

Introduction:
In this article we will look at how we can use Value Mappings in graphical Mapping in SAP PI.

Value Mappings are used to do a dynamic value lookup in PI, the advantage of using value mappings is they can by maintained in Production environment instead of using a transport. This way it reduces the tie for change and does not need transport approvals. This increases the time for change, but only certain people can be given access, thereby controlling access also.

In this article we will perform a value mapping for a Merchant ID to Customer ID. Merchant ID is an external application representation of a customer, while Customer ID is a internal SAP representation. We need to convert the external Merchant ID to SAP Customer ID so this can be used in our interface processing when processed in SAP.

Maintain Value Mapping’s:

1. Go to Integration builder – Configuration, then access Value Mapping from the Tools menu.
2. Give meaningful naming for the lookups source and target.

3. Provide the value mapping entries.
Using the Value Mapping in Graphical Mapping:

1. We now have a value mapping defined from Merchant ID to LIFNR which is the Customer ID. We also take in this instance the value except the first letter. Use the mapping names we defined in earlier steps.
Testing/Results:

1. Execute the interface with the Merchant ID we created a value mapping. In this case 481202683993 and we would expect a mapped value of 60000221.

The below screenshot shows the source in the top window and the results in the bottom window. This shows the value mapping is working as expected.