Datatypes

In Dev Studio, any tool that is used from the Toolbox has to be associated with a specific data type. Data Type is simply the definition for the type of data that is going to be stored in a field.**Data Type**

For Example: “Location Number” field (Text Field) would be associated with a data type of “Number”
Similarly, every tool in the toolbox editor is associated with some specific data types when created.

User Defined Data Types

Data Types are sets of data with values that have predefined characteristics. Examples of Data Types are Number, String, and Integer. Every tool in the toolbox is associated with some specific data type. Once the tool is added on the screen, the system automatically opens the User Defined Data Types. Users can apply existing data types that are already created or users can create new data types based on the requirement.

These User Defined data types also reusable: once the data types are defined in Dev Studio for a particular tool, the same data type can be used again on some other field or object. The system inherits all the definitions and properties that were defined previously for the data type.

Attributes	Description
LABEL	Indicates a label for this data type.
DATA TYPE	Indicates the type of data. Options such as: String, Char, Number or Date.
NAME	Include a name to identify this new user defined data type
LENGTH	Indicate the length of this data type. This length property will be set for every field using this data type. This property is applicable to String data types only.
DEFAULT VALUE	Specify the default value for every field that uses this data type.
FORMAT	Used for specifying a Format that is used for displaying the output of this data type. For Example: Date type would have a format of “MM/DD/YYYY”. Phone Number type would have a format of “+### - (###) ### - ####”Currency type would have a format of “$ ###,###,###,###.00”
DISPLAY LENGTH	Indicate the maximum number of characters that you would like to display when this data type is used on any field.
GLOBAL NAME	If you indicate a global name for this data type it can be used in global expressions. This is used by the policy engine to evaluate the values of the fields without writing a SQL query. For Example: Global: RATING_STATE. If we define global name for

	RATING_STATE field, then its value would be evaluated as '{global: RATING_STATE}' down the hierarchy.
LOOKUP ID	Indicate the rule to get the list of possible values to display. If this property is set, then every field using this data type will use this property unless overridden through object fields or Rule editor. For Example: "Zip Code" User Defined datatype This data type has a lookup id associated with it, which indirectly bound a show lookup icon with the fields using this datatype, showing all the zip codes. This way user does not need to explicitly define the query again on field or through Rule.
LOOKUP VALUES	List of possible values to be used for drop down fields. Note: This is only for Data Types of Drop down Field Type.
COMMENTS	Include comments to describe this Data Type.
MIN VALUE	Rule or value that should be used to set the minimum acceptable value when this data type is used. Note: This is only used for Number and Date data types.
MAX VALUE	Rule or value that should be used to set the maximum acceptable value when this data type is used. Note: This is only used for Number and Date data types.
OUT OF THE RANGE IS ERROR	If the min and/or max values are present and actual values entered by user is out of range then the system display a hard error. If this option is set to Y, system will display a hard error. If this option is set to N, users will have the ability to click OK and Rate the Quote/Policy.