

RAP: Default Values Functions

Default Values Functions:

- Used to assign default values in ui.
- A default values function is implemented by assigning default values to the (parameter) .
- Default values functions are defined in the base behavior definition.
- Default values function needs to start with GetDefaultsFor. Dump is thrown if not maintained.

Note:

- The parameters change depending on where you are using it. Like for instance importing parameter is keys and static %cid.

Can be used for following operations:

- create
- create by association
- Action
- Function

Steps to develop Default Values Functions:

1. Add Default Values Function in bdef interface.

```
managed with additional save implementation in class zbp_i_lfa1_2 unique;
strict ( 2 );

define behavior for ZI_lfa1_2 //alias <alias_name>
persistent table zlfa1
lock master
authorization master ( instance,global )
etag master Changed_on
{
  create{ default function GetDefaultsForCreate; }
  update(precheck);
  delete;
  field ( numbering : managed, readonly) Lifnr;
```

2. Implement the logic for Default values function in abap behaviour pool.

```
METHOD GetDefaultsForCreate.
```

```
append VALUE #( %cid = keys[ 1 ]-%cid %param-land1 = 'DE' %param-name1 = 'default') to result.  
ENDMETHOD.
```

```
METHOD GetDefaultsForRelatedOperation.
```

```
* Calculate the default values for all imported input identifiers, e.g. by EML Read for imported ke  
READ ENTITIES OF ...  
RESULT DATA(read_results).
```

```
* Assign these default values to the respective (parameter) fields per input identifier in the resu  
LOOP AT read_results INTO DATA(read_result).
```

```
* Example for a related instance action/function/create-by-association:
```

```
    APPEND VALUE #( %tky                = read_result-%tky  
                    %param-field_to_be_defaulted = [default_value] ) TO result.
```

```
* Example for a related create operation:
```

```
    APPEND VALUE #( %cid                = read_result-%cid  
                    %param-field_to_be_defaulted = [default_value] ) TO result.
```

```
ENDLOOP.
```

```
ENDMETHOD.
```

3. Expose the default value functions in bdef projection.

```
projection implementation in class zbp_c_lfa1_2 unique;  
strict ( 2 );  
  
define behavior for ZC_lfa1_2 //alias <alias_name>  
use etag  
{  
    use create(augment);  
    use update(augment);  
    use delete;  
    use action ins_non_factory;  
    use action static_non_factory;  
    use action ins_factory;  
    use action static_factory;  
    use function ins_function;  
    use function static_function;  
    use function GetDefaultsForCreate;  
    use association _lfb1 { create; }  
}
```

```
projection;  
strict(2);  
  
define behavior for ...  
{  
    ...  
    use function GetDefaultsForCreate;  
    use function GetDefaultsForCBA;  
    use function GetDefaultsForPlainAct;  
    use function GetDefaultsForDeepFct;  
}
```

Requirement: To assign default value(country 'DE' and name 'default') in ui, when the user clicks "create" button.

default

Supplier

vendor no:
00000000-0000-0000-0000-
000000000000

country:

name:

To achieve this, we have to append the default value in result. As its create operation. Its mandatory to pass %cid. Depending on where you are using default value function concept the parameters may vary and needs to be altered accordingly.

```
METHOD GetDefaultsForCreate.
```

```
append VALUE #( %cid = keys[ 1 ]-%cid %param-land1 = 'DE' %param-name1 = 'default') to result.  
ENDMETHOD.
```