IBsolution EVIMENDO.rules_control User Manual



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Inhaltsverzeichnis

Introduction	3
Tile overview	4
Perfom Validation	5
Perfom Derivation	7
Perform Changes on UIBB	9
Perform Field Properties	11
	Introduction Tile overview Perfom Validation Perfom Derivation Perform Changes on UIBB Perform Field Properties



1 Introduction

The EVIMENDO.rules_control creates a connection between the MDG UI and the BRF+ framework of the SAP MDG system. Thereby dynamic methods for processing data from the MDG UI are implemented in existing BAdIs, which then execute the additionally delivered BRF+ applications of the rules_control. To enable an easy usage of the BRF+ and the EVIMENDO-BRF+ applications, additional methods for reading/writing, setting field controls and UIBBs via decision tables are provided. The whole package of EVIMENDO.rules_control allows a fast setup of field controls and mapping of business logic and saves development and maintenance effort. In addition, the rules_control with preconfigured rules allows a quick start without programming.



2 Tile overview

This chapter describes the initial page of the app. This consists of various clickable tiles. Each tile leads to a different BRF application that we have created.

EVIMENDO - Configuration				
Validations	Derivations	UIBB	Field Properties	



3 Perfom Validation

To perform validations, validation rules must be created if they do not exist. These can be created in the "Validations" application. By clicking on the respective tile, we jump directly to the BRF application.

Repository Catalog	Application: /ISV/EVI_AP_CHECK_BP
Show: Search Result V Search	Kack Sack Sac
E E	General
Search Result Changed T S	Detail
✓ //SV/EVI_AP_CHECK_13.11.2020 ⇒ ■ > Last Changed (50 of !	Application Administration Dictionary Usages
> Action	Properties Default Settings Contained Objects Miscellaneous
> Data Object	
> Expression	
> Function	Application Component:
> Ruleset	Software Component: HOME
	Application Exit Class: //ISV/CL_EVI_APPL_EXIT

Via "Ruleset" all entities can be seen that are to be checked for.

Repository Catalog			
Show: Search Result 🗸 Search			
E E			
Search Result	Changed	T S	
 ISV/EVI_AP_CHECK Last Changed (50 of Action Data Object Expression Function Rules of 	. 13.11.2020 !	₽ ■	
 RS_CHECK_AD RS_CHECK_BF 	22.07.2020 27.03.2020 27.03.2020 27.03.2020 27.03.2020 27.03.2020 27.03.2020 27.03.2020 27.03.2020 27.03.2020		
> TRS CHECK BP	27.03.2020	₽ ■	

Clicking on one of the listed entities will bring you to the detailed view where you can create validation rules.

Besolution

Repository Catalog	Ruleset: RS_CHECK_AD_POSTAL
Show: Search Result V Search	< Back 60 Display 🖺 Check 🖫 Save 🏞 Activate 🕞 Transport 🗑 Delete 🗸 More 🗸
E E	General
Search Result Changed T S	Detail
 ✓ ✓ ✓ ISV/EVI_AP_CHECK 13.11.2020 ⇒ ■ > Last Changed (50 of ! 	Show Ruleset Header
> Action	Rules 🔮 🔔
> Data Object	Insert Bule X
> Expression	
> Function	Disable Rule (1) Rule: Change AD_POSTAL after PRC Read - Rule has not been defined Options 🗸 🦧
✓ Ruleset	(1) Change = ZBRF_S_BP_PP_AD_POSTAL after processing () PRC_READ_AD_POSTAL
> [] RS_CHECK_AD_22.07.2020 😸	
>RS_CHECK_BP_27.03.2020 😸	
> [] RS_CHECK_BP_22.07.2020 😸	Disable Rule (2) Rule: No description is available - Unlimited Validity
	lf
> CHECK_BP 27.03.2020 📾	A ZBRE S BPOST COD1 is not initial
	and
	▲ ZBRF_S_BSTREET is initial
	Then
> TRS CHECK BP 27.03.2020	

To create new rules, you can create them in two ways.

- Via Insert Rule, Create
 - After creation, however, the rule must be placed under the "Change ... after processing ..." method
- (To the right of a rule) Options, Insert Next Rule, Create

Finally, it must be checked in two places that the rule will be validated

- In the Ruleset Header > is the ruleset switched on?
- Is the rule switched on?



4 Perfom Derivation

To perform derivations, derivation rules must be created if none have been created. These can be created in the "Derivations" application. By clicking on the respective tile we jump directly to the BRF application.

Repository Catalog	Application: /ISV/EVI_AP_DERIVE_BP
Show: Search Result ~ Search	< Back 6ô Display 强 Check) 🖫 Save 🔉 Activate 🕞 Transport 🗑 Delete 🗸 More 🗸
E E	General
Search Result Changed T S	Detail
 /ISV/EVI_AP_DERIVE 13.11.2020 Last Changed (50 of . Data Object 	Application Administration Dictionary Usages Properties Default Settings Contained Objects Miscellaneous
> Expression> Function	Development Package: //SV/EVIMENDO_RULES_CONTROL_BP
> Ruleset	Application Component: Software Component: HOME
	Application Exit Class: //SV/CL_EVI_APPL_EXIT

Via "Ruleset" all entities can be seen in which derivation rules can be created.

Repository Catalog			
Show: Search Result	∽ Sear	ch	
H H			
Search Result	Changed	T S	
V 🗇 /ISV/EVI_AP_DERIVE	13.11.2020	₽ ■	
 Last Changed (50 of 7 Data Object Expression Function Ruleset 			
> C RS_DERIVE_AD	20.07.2021	₽ ■	
> C RS_DERIVE_BP	27.03.2020	₽ ■	
> C RS_DERIVE_BP	27.03.2020	₽ ■	
> C RS_DERIVE_BP	27.03.2020	₽ ■	
RS_DERIVE_BP	27.03.2020	B 🔳	
RS_DERIVE_BP	27.03.2020	B	
RS_DERIVE_BP	27.03.2020	B	
RS_DERIVE_BP	27.03.2020	B	
RS_DERIVE_BP	27.03.2020	₽ ■	
RS_DERIVE_BP	27.03.2020	₽ ■	
RS_DERIVE_BP	13.11.2020	₽ ■	
RS_DERIVE_BP	27.03.2020	₽ ■	
> CRS_DERIVE_BP	27.03.2020	₽ ■	
> C RS_DERIVE_BP	27.03.2020	₽	
> RS_DERIVE_BP	27.03.2020	B	



By clicking on one of the listed entities, you will get to the detailed view where you can create derivation rules.

Repository Catalog	Ruleset: RS_DERIVE_BP_CENTRL	
Show: Search Result V Search	< Back (6\cdot Display) (1\cdot Check) 🔚 Save) 🎾 Activate 😝 Transport (1) Delete 🗸 (More 🗸	
E E	General	
Search Result Changed T S	Detail	_
✓ [™] /ISV/EVI_AP_DERIVE 13.11.2020 ⇒ ■	Show Ruleset Header) Context Overview	
> Data Object	Rules	ð _
> Expression	Insert Rule V Insert Exit Condition V	
✓ Ruleset	Disable Condition (1) Exit Condition: Type of Chg. Request = YISVCU20 ; = YISVSU20 - Unlimited Validity Options ~	
> ☐ RS_DERIVE_AD 20.07.2021 ↔ > ☐ RS_DERIVE_BP 27.03.2020 ↔	Exit ruleset when A 78PE DO ELE CPEOLIEST	ue
> □ RS_DERIVE_BP 27.03.2020 ↔	or is equal to	
> □ RS_DERIVE_BP 27.03.2020 😪 ■	Disable Rule (2) Rule: Change BP_CENTRL after PRC Read - Unlimited Validity Options V	0 n
 RS_DERIVE_BP 27.03.2020 RS_DERIVE_BP 27.03.2020 RS_DERIVE_BP 27.03.2020 	(1) Change ^{cm} ZBRF_S_BP_PP_BP_CENTRL after processing '() PRC_READ_BP_CENTRL	1
> □ RS_DERIVE_BP 27.03.2020 ↔		
 RS_DERIVE_BP 27.03.2020	Disable Rule (3) Rule: No description is available - Unlimited Validity Options V	l ri
> □ RS_DERIVE_BP 13.11.2020 ↔	A 7RRE S. R. NAME OPC1 is not initial	
> ☐ RS_DERIVE_BP 27.03.2020 ♣ ■	and	
> □ RS_DERIVE_BP 27.03.2020	▲ ZBRF_S_BBU_SORT1 is initial	
	Then	
	(1) Change & ZBRF_S_BBU_SORT1 from value of & ZBRF_S_BNAME_ORG1	
	Disable Rule (4) Rule: No description is available - Unlimited Validity Options	l n
	(1) Change 🛦 BOOLEAN after processing '() PRC_WRITE_BP_CENTRL	

To create new rules, you can create them in two ways.

- Via Insert Rule, Create
 - After creation, however, the rule must be placed under the "Change ... after processing ..." method
- (To the right of a rule) Options, Insert Next Rule, Create

Finally, it must be checked in two places that the rule will be derived

- In the Ruleset Header > is the ruleset switched on?
- Is the rule switched on?



5 Perform Changes on UIBB

To make changes to the UIBB, entries must be created in the decision table if none have been created. These can be created in the "UIBB" application. By clicking on the respective tile we jump directly to the BRF application.

Repository Catalog	Application: /ISV/EVI_AP_UIBB_BP
Show: Search Result	< Back 6ô Display 🖺 Check 🖫 Save 🔉 Activate 🖶 Transport 🗑 Delete 🗸 More 🗸
H H	General
Search Result Changed T S	Detail
 /ISV/EVI_AP_UIBB_B 27.03.2020 Last Changed (50 of § Data Object 	Application Administration Dictionary Usages Properties Default Settings Contained Objects Miscellaneous
> Expression> Function	Development Package: //SV/EVIMENDO
> Ruleset	Application Component:
	Software Component: HOME
	Application Exit Class: //SV/CL_EVI_APPL_EXIT

The decision table can be viewed via "Expression, Decision Table".

Repository Catalog Show: Search Result Image: Image:	Decision Table: DT_UIBB_CTRL_BP_ROLE (Back) (60 Display) (1) Check (2) Save) (2: Activate) (2) Transport) (2) Delete (More General Detail Additional Actions (Context Overview) (Start Simulation Table Contents				
Contraction Contracti	+ 🖸 🖉 🗇 🛅 🔺 🗸	Find: Next	Previous		Table Settings
> 🗷 DT_UIBB_CTI 17.05.2021 🛛 🖶 📕	CREQUEST_TYPE	CREQUEST_WFS	CONFIG_ID	HIDDEN	COLLAPSED
> Procedure Call	starts with BP 🗸	🗸	USMD_CR_OVERVIEW ~	** ~	false \checkmark
> Function	starts with BP 🗸		BS_BP_DETAILS_CU 🗸	** ~	false \sim
> Ruleset	v	🗸	BS_BP_ROLES V	X (Hidden and Excluded from Ev $$	X (True) 🗸
	starts with BP \sigma	🗸	BS_BP_ADDRESSES 🗸	X (Hidden and Excluded from Ev \sim	X (True) 🗸
	starts with BP \sigma	🗸	BS_BP_ADDRESS_USAGES V	X (Hidden and Excluded from Ev \sim	X (True) 🗸
	starts with BP 🗸	~	BS_BP_TAX_NUMBERS ~	X (Hidden and Excluded from Ev \sim	false \sim
	starts with BP \sigma	🗸	BS_BP_BANK_ACCOUNTS V	X (Hidden and Excluded from Ev \sim	false \sim
	starts with BP \sigma	🗸	BS_BP_PAYMENT_CARDS ~	X (Hidden and Excluded from Ev \sim	false \checkmark
	starts with BP 🗸	🗸	BS_BP_IDENTIFICATION_NUMB \checkmark	X (Hidden and Excluded from Ev \sim	false \checkmark
	\Box starts with BP \checkmark	🗸	BS_BP_INDUSTRIES 🗸	X (Hidden and Excluded from Ev \sim	false \checkmark
	starts with BP \sigma	🗸	BS_CU_MLT_ASSIGNMENTS ~	X (Hidden and Excluded from Ev \sim	false \checkmark
	starts with BP 🗸	🗸	BS_SP_MLT_ASSIGNMENTS ~	X (Hidden and Excluded from Ev \sim	false \checkmark
	\Box starts with BP \checkmark	~	BS_BP_DETAILS_BLOCK_DEL ~	X (Hidden and Excluded from Ev \sim	false \sim
	\Box starts with BP \checkmark	🗸	BS_BP_RELATIONS ~	X (Hidden and Excluded from Ev \sim	false \checkmark
	$\hfill\square$ starts with BP \checkmark	🗸	BS_BP_RELATIONS_ATS ~	X (Hidden and Excluded from Ev \sim	false \checkmark

New entries can be created via the "+" button. The "CREQUEST_TYPE" column specifies the change request type for which the UIBB control is to be executed. The "CREQUEST_WFS" column is used to specify the Workflow Step at which the UIBB Control needs to be activated. The column "CONFIG_ID" refers to the corresponding UI block. The "HIDDEN" column can be used to show or hide the selected UI block. With the column "COLLAPSED" the UI Blocks can be expanded or collapsed.



Finally, it must be checked in two places that the UIBB control is executed

- In the Ruleset Header > is the ruleset switched on?
- Are the rules for the UIBB control switched on?



6 Perform Field Properties

To make changes to the Field Properties, entries must be created in the decision tables if none have been created. These can be created in the "Field Properties" application. By clicking on the respective chessboard, we jump directly to the BRF application.

Repository Catalog	Application: /ISV/EVI_AP_FLD_PROPS_BP
Show: Search Result V	K Back
H H	General
Search Result Changed T S	Detail
 /ISV/EVI_AP_FLD_PR 13.11.2020	Application Administration Dictionary Usages Properties Default Settings Contained Objects Miscellaneous
Expression Function	Development Package: //SV/EVIMENDO
> Ruleset	Software Component: HOME
	Application Exit Class: //ISV/CL_EVI_APPL_EXIT

Via "Expression, Decision Table" all decision tables can be viewed.

Repository Catalog		
Show: Search Result	∽ Sear	ch
) E		
Search Result	Changed	T S
V 7 /ISV/EVI_AP_FLD_PR	13.11.2020	₽ ■
> Last Changed (50 of 2		
> Data Object		
 Expression 		
 Decision Table 		
> 🖲 DT_FLDPROF	27.03.2020	₽ ■
> 🖲 DT_FLDPROF	24.08.2020	₽ ■
TLDPROF TLDPROF	27.03.2020	₽ ■
DT_FLDPROF	27.03.2020	₽ ■
DT_FLDPROF	13.11.2020	₽ ■
DT_FLDPROF	27.03.2020	₽ ■
TT_FLDPROF	27.03.2020	₽ ■
TTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTT	27.03.2020	₽ ■
TTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTT	27.03.2020	₽ ■
> Procedure Call		
> Function		
> Ruleset		

Bisolution

Repository Catalog Show: Search Result Image: Search Result Changed T Search Result Changed T VG//SV/EVL/AP_FLD_PF.13.11.2020 Image:	Decision Table: DT_FLDPROP_AD_POSTAL (Back) [
Last Changed (50 of : Data Object Expression	Table Contents	Next Previous		Table Settings
Decision Table DT_FLDPROF 27.03.2020	ZBRF_DO_ELE_CREQUEST	ZBRF_DO_ELE_CREQ_WFS	ATTRIBUTE	FIELD_PROPERTY
DT_FLDPROI 27.03.2020 DT_FLDPROI 27.03.2020 DT_FLDPROI 27.03.2020	□ … ✓ starts with BP ✓	¥ ¥	STREET V POST_COD1 V	R (Read Access Only) ~ C (Optional) ~
	starts with BP ∨ starts with BP2 ∨	¥ ¥	POST_COD2 ~ REF_POSTA ~	C (Optional) V R (Read Access Only) V
T_FLDPRO; 27.03.2020 T_FLDPRO; 27.03.				
S DT_FLDPROF27.03.2020 DT_FLDPROF27.03.2020 DT FLDPROF27.03.2020 DT FLDPROF27.03.2020				
S DT_FLDPROF27.03.2020 Procedure Call				
 Function Ruleset 				

Via the "+" button new entries can be created. The column "ZBRF_DO_ELE_CREQUEST" indicates the change request type for which the field properties are to be executed. With the column "ZBRF_DO_ELE_CREQ_WFS" one indicates in which Workflow Step the field is to be controlled. In the column "ATTRIBUTE" the MDG field is specified. With the column "FIELD_PROPERTY" the property of the field is defined.

Finally, it must be checked in two places that the field properties are executed

- In the Ruleset Header > is the ruleset switched on?
- Are the rules for the field properties switched on?