How-To Guide Integration Add-On for SAP ERP HCM and SAP SuccessFactors HCM Suite Document Version: 1.0 – 2015-10-13

Enhancing the Employee Integration with Custom Fields



Typographic Conventions

Type Style	Description
Example	Words or characters quoted from the screen. These include field names, screen titles, pushbuttons labels, menu names, menu paths, and menu options.
	Textual cross-references to other documents.
Example	Emphasized words or expressions.
EXAMPLE	Technical names of system objects. These include report names, program names, transaction codes, table names, and key concepts of a programming language when they are surrounded by body text, for example, SELECT and INCLUDE.
Example	Output on the screen. This includes file and directory names and their paths, messages, names of variables and parameters, source text, and names of installation, upgrade and database tools.
Example	Exact user entry. These are words or characters that you enter in the system exactly as they appear in the documentation.
<example></example>	Variable user entry. Angle brackets indicate that you replace these words and characters with appropriate entries to make entries in the system.
EXAMPLE	Keys on the keyboard, for example, F2 or ENTER.

Document History

Version	Date	Change
1.0	2015-10-13	Initial version

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1 Enhancing the Employee Integration with Custom Fields

1. In transaction SPXNGENAPPL add your customer-specific namespace, as shown in Figure 1.

i Note

Transaction SPXNGENAPPL is available from SAP_BASIS 702 SP 8 onwards.

Change View "Assignme	nt Namespace <-> Meta	adata Repo	sitory": Overvie
🖉 New Entries 🔒 🕼 🖪 🛛	8 🖻		
Assignment Namespace <-> Metadat	a Repository		
Namespace	Generation Source		•••
http://customernamespace.com	Backend Metadata Repository	-	*
			*

Figure 1

- 2. In transaction SE80 start the Repository Browser.
- 3. Open the package where you want to save your objects.
- In the context menu of the package, choose Create → Enterprise Service.
 A dialog box is displayed, as shown in Figure 2.

0	Choose the object type for the proxy to be created.	
Object Type Generation Source Transport Finish		
	Datatyse Messagetype Butatyse Enhancement Faut Ressage Service Consumer Service Provider Event: Provider ServiceGroup	

Figure 2

5. Select *Data Types Enhancement* and choose *Continue*. This takes you to the next step, as shown in Figure 3.



6. Select *Backend* (as shown in Figure 3) and choose *Continue*. This takes you to the next step, as shown in Figure 4.

🕒 Create					2
Object Type Generation Source Object Type Base Type	Enter external nan created.	ne and namespa	ice (QName) for th	ie proxy to be	
Base Type Transport Finish	Name Namespace	ZEmployee_Rep http://customer	ication_Custom_Er	hancement]
	6	Back 🛃	Continue	X Cancel	

Figure 4

7. Enter the name for your enhancement. You can choose any name. Then enter your namespace (as maintained in transaction SPXNGENAPPL) and choose *Continue*.

This takes you to the next step, as shown in Figure 5.

Chest C	Enter QName of t	he base type to be	enhanced.		×
 Transport Finish 	Name Namespace	SFObject http://sap.com/xi/t	SFIHCM01		
	6	Back	Continue	×	Cancel

Figure 5

8. Enter the name and namespace of the object that you want to enhance. For employee data replication, enter the name **SFObject** and the namespace http://sap.com/xi/SFIHCM01 as shown in Figure 5. Then choose *Continue*.

This takes you to the next step, as shown in Figure 6.

8	useSTMP. If already known	ge for the new object or check Local Objectto you may enter the request to be used is you have the option to specify a prefix.	
Finish	Package √Local Object Request/Task Prefix	6 TMP	
	6	Back Continue 🕱 Cance	_

Figure 6

- 9. Enter the following information and then choose *Continue*:
 - o Package name where you want to save the object
 - In the example in Figure 6, the object is stored as a local object.
 - \circ $\;$ Workbench request to transport the object $\;$
 - Prefix of your choice

This takes you to the *Finish* step, as shown in Figure 7.

Class	Oncompletion of the wiczard the Proxy for "Zemployee_Replication_Custom_Enhancement" (Data Type Enhancement) will be generated and displayed in the Proxy Editor. Do not forget to save or activate the result
	Back 💞 Complete 🔀 Cancel

Figure 7

10. Choose Complete.

This creates an append structure, as shown in Figure 8.

pend Structure	ZEmployee_Replication_Custom New (Revised)
Properties Name	e Problems External View Internal View Used Objects WSDL
External Key	
Type	Data Type Enhancement Source Backend Metadata Reposito
Name	ZEmployee_Replication_Custom_Enhancement
Namespace	http://customernamespace.com
Proxy	
Proxy Name	ZZEMPLOYEE REPLICATION CUSTOM Prefix Z
Enhanced Datatype	
Name	SFObject
Namespace	http://sap.com/xi/SFIHCM01
General Data	
Package	SIMP
Original Language	

11. On the External View tab, right-click to add elements to the structure, as shown in Figure 9.

end Structure	IEmployee_Replication_Custom	- Inactive		
Properties Name Problems Extens	al View Internal View Used Objects	WSDL		
		(m)		
		Object		
rternal Name		Base		
ZEmployee_Replication_C	ment	Тур	Append Structure	*
Add Atty		Name	ZEmployee_Replication_Custom_Enhancement	
200 400	looce	ABAP Type	TABL	
		ABAP Name	ZZEMPLOYEE_REPLICATION_CUSTO.	
		Prefix	Z	
		Global		
		Namespace	http://customernamespace.com	
		XML Namespace	http://customernamespace.com	
		Generating Appl	Backend Metadata Repo*	
		Datatype Enhance	ment Attributes	
		Dynamic append		

Figure 9

- 12. Choose Add Element.
- 13. In the dialog box, enter the name of the structure, as shown in Figure 10. Then click the OK icon (♥).In Figure 10, we have added the field name ssn.

1 Note

Be sure to add the same name as that of the field in SuccessFactors.

hange Append Structure ZEm	plovee Replication Custo	om Enhance	ement					
→≫0866+≋88								
MIME Repository		Append Structur	e	2	Employee_Repli	ation_Custom	- Inactive	
Repository Browser		Properties	Name Problems	External View	Internal View	Used Objects	WSDL	
tepository Information System								
ag Browser		8200	1 (C) (C)				Object	
							Base	
Name ssn							Тур	Append Structure
rearrie 55ri							Name	ZEmployee_Replication_Custom_Enhancement
							ABAP Type	TABL
				× ×			ABAP Name	ZZEMPLOYEE_REPLICATION_CUSTO .
							Prefix	Z
ect Name	Description							
SI PAOC SFI	Success Factors Integrat						Global	
Package Interfaces							Namespace	http://customernamespace.com

Figure 10

8

After the field is added, it appears in the structure, as shown in Figure 11.

Properties Name Problems External View Internal View	Used Objects WSDL		
	over objects mode		
	Object		
External Name	Base		
ZEmployee_Replication_Custom_Enhancement	Тур	Element with simple Content	•
• • ssn	Name	ssn	
	ABAP Type	FIEL	UI Text
	ABAP Name	ZSSN	
	Element		
	Default Value	1	
	Min. Occurs	0 Max. Occurs	1 0
	Deletab.	Nilable	
	Simple Datat	ype	
	XSD Type	xsd:string	
	ABAP Type	STRING	
	Pattern		
	Length		
	Min. Length	Max, Length	
		v Enumerations	

14. To add more fields, repeat steps 11 and 12.

In the example in Figure 12, the field *salary* has been added.

Properties / Name Problems / External View / Internal View / Used O	Object Base	
ernal Name		
ernal Name		
ZEmployee_Replication_Custom_Enhancement		
. D. eee	Тур	Element with simple Content
	Name	sabry
 salary 	ABAP Type	FIEL E UI Text
	ABAP Name	ZSALARY
	APAY Name	(Concert)
	Element	
	Default Value	
	Min. Occurs	0 Max. Occurs 1
	Deletab.	Nilable
	Simple Datatype	
	XSD Type	xsd:string
	ABAP Type	STRING
	Pattern	
	Length	
	Min. Length	Max. Length
	Show En	umerations

Figure 12

15. Save and activate the object.

After activation, the status of the objects should be *Active*, as shown in Figure 13.

Properties External View Internal View Used Objects	WSDL	
	Object	
ternal Name	Base	
ZEmployee_Replication_Custom_Enhancement	Typ	Element with simple Content
• • • ssn	Name	salary
⁰ salary	ABAP Type	FIEL DI Text
	ABAP Name	ZSALARY
	Element	
	Default Value	
	Min. Occurs	0 Max. Occurs 1
	Deletab.	Nilable
	Simple Datatype	
	XSD Type	xsd:string 👻
	ABAP Type	STRING
	Pattern	
	Length	
	Min. Length	Max. Length
	Show Er	numerations

Figure 13

- 16. In transaction ${\tt SE80}$ navigate to package PAOC_SFI_EMPL_DATA.
- 17. Expand *Enterprise Services* \rightarrow *Data Types* and double-click the data type SFI_SE_SFOBJECT.
- 18. On the *Properties* tab, double-click the proxy object SFI_SE_SFOBJECT, as shown in Figure 14, to open the structure of the object.

Appendix house Appendix house Appendione App		Data Type				SFObject				Active
Description Description Test Reserved Test Reserved <th></th> <th>Properties</th> <th>External View</th> <th>Internal</th> <th>View</th> <th>Used Obt</th> <th>octs</th> <th></th> <th></th> <th></th>		Properties	External View	Internal	View	Used Obt	octs			
Instruction Status Status <thstatus< th=""> Status <thstat< td=""><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td></thstat<></thstatus<>										
Interpreter Tradepreter Tradepreter Tradepreter Tradepreter <td></td> <td>External Key</td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td>		External Key								
Process Process PACK_SUBJECTATA Beneration PACK_SUBJECTATA Beneration PACK_SUBJECTATA Beneration Pack Subjectation Beneration Beneration Beneration Beneration<		Туре	Det	ta Type			 Source 	Enterp	rise Servici	e Repo 🔻
Pinday Pinday		Name	SEC	lbject						
Space_State_Attat Image: Space_State_Attat Space_State_Attate Image: Space_State_Attate Space_State_Attatate Image: Space_State_Attate		Namespace	hes	p://sap.co	om/m1/3	FINCM01				
Control of a	10-	Description	58	Object						
Control Classifier										
Control (PR) Machine of entrols • Diroches presentes • Diroches presentes • Diroches presentes			C		-	-	lai a	Braffy	987.9	F
Concept Service Concept Optimized ConceptOptimized Concept Optimized Concept Optimized						-	× 1	FIELDA		
Catalogy Optim Catalogy		employe - Description	36.0	object						
• Oracidary • Oracidary • Oracidary • Oracle Construction • Oracle Construction • Oracle Construction • Oracle Constru		General Data								
Comparing The second sec			10.0							
Discher Discher							-			
• Orange by String S						12 08 2012	11.67	1.1.9		
• Clinesprate stream • Clinesprate stream • Clinesprate stream • Clinesprate stream • Stream										
- (2) Dob Toye - (2) Style (2) Styl		Changes by	14.1	Lauro			10140			
- * 912,2,2537 * 9912,2,2537 * 9912,2,1009 * 9912,1,000,2007 * 9912,1,000,2007 * 9912,2,000,2007 * 9912,2007 * 9912,20	er									
- == 91 (E.1,00H == 91 (E.1,00H == 91 (E.1,00H == 91 (E.1,00H) (E004T) == 91 (E.1,00H) (E004T) (200H == 91 (E.1,00H) (E004T) (200H == 91 (E.1,00H) (E004T) == 91 (E.										
* 1997_12_10011 * 1997_2_1001_420017 * 1997_2_1001_420017 * 1997_2_1001_420017 * 1997_2_1001_420017 * 1997_2_1001_420017 * 1997_2_1001_420017 * 1997_2_1001_420017 * 1997_2_10001_420017 * 1997_2_1000_420017 * 1997_2_1000_42000_4000_4000_4000_4000_4000_4										
- •••• 91, 91, 2007, 90, 90, 511 •••• 91, 92, 2009, 92, 90, 92 •••• 91, 92, 2009, 92, 90, 92 •••• 91, 92, 2009, 92, 90, 92 •••• 91, 92, 2009, 92, 93, 94 •••• 91, 92, 2009, 129, 94 •••• 91, 92, 2007, 129, 94 ••••• 91, 92, 2007, 129, 94 ••••• 91, 92, 92, 94 ••••• 91, 92, 92, 94 ••••• 91, 92, 94 ••••• 91, 92, 94 •••••• 91, 92, 94 ••••••••••••••••••••••••••••••••••••										
• === 91,21,2001,2004 === 91,22,2001,259045 === 91,22,2001,259045 === 91,22,2001,259045 === 91,22,2001,259045 === 91,22,2001,259046 === 91,22,2001,259046 == 91,22,2004,259046 == 91,22,2004,259046 == 91,22,2004,259046 == 91,22,2004,259046 == 91,22,2004,259046 == 91,22,2004,259046 == 91,22,2004,259046 == 91,22,2004,259046 == 91,22,2004,2004,2004,2004,2004,2004,2004,										

* 100 91 26, LOOM (1980).1 * 100 91 26, LOOM (1980) * 100 91 26, LOO										
**** 91, <u>10,0001</u> , <u>80,0001</u> *********************************										
* #0 51 51,20007,800,851 * #0 52,50007,800,851 * #0 51,52,10007,850,966 * #0 51,52,10007,850,9661 * #0 51,52,10007,850,9661										
 • • • • • • • • • • • • • • • • • • •										
 ELOGOUT_RESPONSE1 EST_SE_OBJECT_EDIT_RESULT 										
• 000 SFL SE_STOREDENTIAL • 000 SFL SE_STORECT										

On the *Components* tab, all the components are displayed that you added to the structure, as shown in Figure 15.

ucture	SFI_SE_SFOBJECT		Active			
ort Description	SF Object					
Attributes Cor	nponents Entry	help/check Cur	rency/quantit	y fields		
	🗲 🔁 🔁 🛛 Prede	efined Type			37 /	56
Component	Typing Method	Component Type	Data Type	Length	Deci	Short Description
LOGIN_METHOD	Турез 🔻		STRING	0	0	
PROXY	Турез 🔻		STRING	0	D	
CUSTOM01	Types 🔻		STRING	0	0	
CUSTOM02	Турез 🔻		STRING	0	0	
CUSTOM03	Types 💌		STRING	0	0	
CUSTOM04	Types 🔻		STRING	0	0	
CUSTOM05	Types 💌		STRING	0	0	
CUSTOM06	Types 💌		STRING	0	0	
CUSTOM07	Турев 🔻		STRING	0	0	
CUSTOMOS	Types 💌		STRING	0	0	
CUSTOM09	Types 💌		STRING	0	0	
CUSTOM10	Турез 🔻		STRING	0	0	
CUSTOM11	Турез 🔻		STRING	0	0	
CUSTOM12	Турез 💌		STRING	0	0	
CUSTOM13	Турез 💌		STRING	0	0	
CUSTOM14	Турез 🔻		STRING	0	0	
CUSTOM15	Турез 🔻		STRING	0	0	
APPEND	Types 🔻	ZZEMPLOYEE_REPL .	m	0	0	
ZSSN	Турез 💌		STRING	0	0	
ZSALARY	Types 💌		STRING	0	0	

Figure 15

- 19. In transaction SE11 open the data type HRSFI_S_TRANSFER_DATA.
- 20. Choose Append Structure..., as shown in Figure 16.

Dictionary: Di	isplay Struct	ure				
4> 🎾 😘 🖻	16 🔻 🚭 17	<mark>а <u>в</u> 🗆 🖬 I н</mark>	ierarchy Displa	y Appe	nd Stru	ture
Structure	HRSFI_S_TRANSF	ER_DATA	Active			7
Short Description	Structure to Tran	fer Data to Success	Factors			
Attributes Cor		y help/check / Cur lefined Type	rency/quantity		1	/ 56
Component	Typing Method	Component Type	Data Type	Length	Deci	Short Description
STATUS	Турез 🔻	HRSFI_STATUS	CHAR	32	0	STATUS
USERID	Types 🔻	HRSFI_USERID	CHAR	100	0	USERID
USERNAME	Types 🔻	HRSFI_USERNAME	CHAR	100	0	USERNAME
FIRSTNAME	Types 🔻	HRSFI_FIRSTNAME	CHAR	128	0	FIRSTNAME
LASTNAME	Турев 🔻	HRSFI_LASTNAME	CHAR	128	0	LASTNAME
		UDART WT	0000			

Figure 16

21. In the dialog box, enter the name of the append structure and choose *OK*.

This creates an append structure.

22. Enter the components that you added to the proxy structure (in the above example, we added the fields *ssn* and *salary*). You can also add fields with your customer-specific prefix, as shown in Figure 17.

Append Structure	ZCUSTOM_ENHANC	EMENT	Active			
Short Description	Custom Enhancen	nent				
Attributes Cor	mponents Entr	v help/check Cu	rrency/quantit	fields	1	
Attributes / Col	inponents [Enti	y neip/check cu	rrency/quantic	y neius		
				_		
xorse	🌫 🔁 🔁 Com	ponent Type Shov	v Appending C	bj	1	/ 2
Component	Typing Method	Component Type	Data Type	Length	Deci	Short Description
Z_SSN	Турез 🔻		STRING		0	
Z_SALARY	Турез 🔻		STRING		0	
	•					

- 23. Activate the append structure.
- 24. In transaction SE11 open the data type HRSFI_S_TRANSFER_DATA to see whether the append appears correctly, as shown in Figure 18.

ucture ort Description	Contraction of the local division of the loc	ANSFER_DATA Transfer Data to Succ	Active ess Factors		
Attributes Cor	nponents	Entry help/check	Currency/quant	ty fields	
	3 1 1 2	Predefined Type			22 / 56
Component	Typing Me	thod Component Typ	e Data Type	Length De	eci Short Description
ADDR2	Types	* HRSFI_ADDR2	CHAR	255	0 ADDR2
CITY	Types	* HRSFI CITY	CHAR	255	OCITY
STATE	Types	* HRSFI_STATE	CHAR	255	OSTATE
ZIP	Types	* HRSFI_21P	CHAR	255	0 ZIP
COUNTRY	Types	. HRSFI_COUNTRY	CHAR	255	0 COUNTRY
REVIEW_FREQ	Types	- HRSFI_REVIEW_	FR. CHAR	255	0 REVIEW_FREQ
LAST REVIEW DAT	TE Types	. HRSFI LAST RE	VI . CHAR	10	0LAST_REVIEW_DATE
CUSTOM01	Types	. HRSFI CUSTOM	CHAR	255	0 CUSTOM01 - CUSTOM15
CUSTOM02	Types	- HRSFI_CUSTOM	CHAR	255	0 CUSTOM01 - CUSTOM15
CUSTOM03	Types	. HRSFI CUSTOM	CHAR	255	0 CUSTOM01 - CUSTOM15
CUSTOM04	Types	. HRSFI CUSTOM	CHAR	255	0 CUSTOM01 - CUSTOM15
CUSTOM05	Types	- HRSFI CUSTOM	CHAR	255	0 CUSTOM01 - CUSTOM15
CUSTOM06	Types	* HRSFI_CUSTOM	CHAR	255	0 CUSTOM01 - CUSTOM15
CUSICM07	Types	* HRSFI_CUSIOM	CHAR	255	0 CUSTOM01 - CUSTOM15
CUSTOMOS	Types	. HRSFI_CUSTOM	CHAR	255	0 CUSTOM01 - CUSTOM15
CUSTOM09	Types	* HRSFI CUSTOM	CHAR	255	0 CUSTOM01 - CUSTOM15
CUSTOMIO	Types	. HRSFI CUSTOM	CHAR	255	0 CUSTOM01 - CUSTOM15
CUSTOM11	Types	* HRSFI_CUSTOM	CHAR	255	0 CUSTOM01 - CUSTOM15
CUSTOM12	Types	* HRSFI_CUSTOM	CHAR	255	0 CUSTOM01 - CUSTOM15
CUSTOM13	Types	- HRSFI CUSIOM	CHAR	255	0 CUSTOM01 - CUSTOM15
CUSTOM14	Types	. HRSFI CUSTOM	CHAR	255	0 CUSTOM01 - CUSTOM15
CUSTOM15	Types	- HRSFI CUSTOM	CHAR	255	0 CUSTOM01 - CUSTOM15
MATRIX MANAGER	Types	- BRSFI MATRIX	MA. CHAR	255	0 MATRIX MANAGER
DEFAULT_LOCALE	Types	. HRSFI_DEFAULT	L. CHAR	100	0 Default Locale
CUSTOM MANAGER	Types	- HRSFI_CUSTOM	MA. CHAR	255	0 Custom Manager
SECOND_MANAGER	Types	. HRSFI_SECOND	MA. CHAR	255	0 Second Manager
PROXY	Types	. HRSFI_PROXY	CHAR	100	0 Proxy
PERSONID	Types	· PERSONID	NUMC	8	0 Technical Person Number
PERMR	Types	T PERNR D	NUMC	8	0 Personnel Number
LOGINMETHOD	Types	. HRSFI_LOGINME	TH_ CHAR	100	0 LOGINMETHOD
APPEND	Types	- ZCUSTOM_ENHAN	ICE_ 000	0	0 Custom Enhancement
2_558	Types	*	STRING	0	0
Z_SALARY	Types	*	STRING	0	ō
	4.9				

Figure 18

25. In Customizing for Integration Add-On for SAP ERP HCM and SuccessFactors HCM Suite → Integration Scenario for Employee Data → Business Add-Ins (BAdIs) → BAdI: Replication of Employee Data, create an implementation for BAdI HRSFI_B_EMPL_DATA_REPLICATION to define the data retrieval for the new field. For this, use the method GET_VALUE_FOR_ENHANCED_FIELD. For each enhanced field (IV_FIELDNAME), provide a method to return RV_VALUE.

Figure 19 shows the example code for the method. In this example, we have hardcoded some values, but in an actual scenario, you get the data for a personnel number.

Ty.	Parameter	Type spec.	Description	
0	IV_FIELDNAME	TYPE FIELDNAME	Field Name	
0	IV_PERSON_ID	TYPE HROBJID	Object ID	
٥	IV_PERNR	TYPE PERNR_D	Personnel Number	
0	IV_LANGU	TYPE SYLANGU	Language Key of Current Text Environment	
0	IV_KEYDATE	TYPE SYDATUM	Current Date of Application Server	
۵,	VALUE(RV_VALUE)	TYPE STRING		
81	CX HRSFI EMPL DATA EXCEPTION		Exception Class	
tho	d IF_HRSFI_EMPL_DATA_REPLICAT		INRARCED_FIELD Active	
Ĭ	d IF_ERSFI_EMPL_DATA_REFLICA: 1 © METHOD if_hrsfi_empl_da	ta_replication-ge		
	d IF_ERSFI_ENFL_DATA_REPLICA I ENETHOD if_hrsfi_empl_da 2	ta_replication-ge	INRARCED_FIELD Active	
	d IF_HESFI_EMPL_DATA_REFLICAT HEIMOD if_hrsfi_empl_da DIF iv_fieldname EQ '2 IF v_value ='12348676	ta_replication-ge	INRARCED_FIELD Active	
Ĭ	d IF_ERSFI_DHFL_DATA_REFLICA' 1 BMINOD if_hrefi_enpl_da 2 D IF iv_fieldname EQ 'Z rValue = 112345675 4 EIDIF.	ta_replication-ge _SSN'. 9'.	INRARCED_FIELD Active	
	d IF_HESFI_EMPL_DATA_REFLICAT HEIMOD if_hrsfi_empl_da DIF iv_fieldname EQ '2 IF v_value ='12348676	ta_replication-ge SSN'. 9'. SALARY'.	INRARCED_FIELD Active	
	d IF_BESFL_DMFL_DATA_REFLICA' 1 © METHOD if_hrefi_empl_ds 2 © IF iv_fieldname EQ *2 3 rv_value =*12345678 4 ENDIF. 5 © IF iv_fieldname EQ *2	ta_replication-ge SSN'. 9'. SALARY'.	INRARCED_FIELD Active	

Figure 19

26. (Only necessary if you have used a different field name in your customer-specific append structure than the one for the business object *User* in SuccessFactors HCM Suite, for example, the field *salary* in SuccessFactors and *Z_SALARY* in SAP ERP HCM): In Customizing for *Integration Add-On for SAP ERP HCM and* SuccessFactors HCM Suite → Integration Scenario for Employee Data → Business Add-Ins (BAdIs) → BAdI:

Enhance the Replication of Employee Data, create an implementation of BAdI

HRSFI_B_ENHANCE_EMPL_DATA_REP for method MAP_INT_NAME_TO_PROXY_NAME. In this implementation, define a corresponding SuccessFactors name (RV_PROXY_NAME) for each enhanced field (available via IV_INT_NAME).

Figure 20 shows the example code for the method. The example again uses the field names ssn and salary.



Figure 20

27. From the aforementioned BAdI, use the method MAP_INT_VALUE_TO_PROXY_VALUE to map the content of the two fields.

Example

The field *Z_SALARY* of IS_TRANSFER_DATA must be mapped to the field *salary* of structure CS_PROXY_DATA: CS_PROXY_DATA-NEW_FIELD = IS_TRANSFER_DATA-ZZ_NEW_FIELD.

In our example, the field name on CS_PROXY_DATA is *zsalary* because of the prefix maintained in Figure 6. Figure 21 shows the example code for the method.

-	-> 7 8 R @ 1	6 : 목수 유료口 🖬 🤻	🐧 🤹 Pattern 🛛 Pretty Printer	Signature Public Section
Ty.	Parameter	Type spec.	Description	
10	IS_TRANSFER_DATA	TYPE HRSFI_S_TRANSFER_DATA	Structure to Transfer Data to	Success Factors
10	CS_PROXY_DATA	TYPE SFL SE_SFOBJECT	SF Object	
the		NCE_EMPL_DATA_REF-MAP_INT_VALUE_ sfi_enhance_empl_data_rep-m/	0.000	llue.
etho	1 EMETHOD if_h: 2 cs_proxy_c	sfi_enhance_empl_data_rep_m lata-zsalary = is_transfer_d	ap_int_value_to_proxy_va	ulue.
etho	1 EMETHOD if_h: 2 cs_proxy_c	sfi_enhance_empl_data_rep-m	ap_int_value_to_proxy_va	lue.

Figure 21

If you extend the user data integration with more than one customer-specific field, you have to map each field in this method.

1 Note

Standard fields (including the 15 custom fields) delivered with the add-on, and fields with the same name in the append structure and proxy, do not have to be mapped in addition. These fields are transferred to the structure RV_PROXY_DATA automatically.

- 28. Deploy the SAP HANA Cloud Integration content iFlow *Upsert User Data with Custom Enhancement* and configure the endpoint (deployed iFlow) for the consumer proxy interface SFSFUserUpsertRequestConfirmation_Out.
- 29. To transfer the employee data to SuccessFactors HCM Suite, run the report RH_SFI_SYNCHRONIZE_EMPL_DATA.
- 30. To verify the results, log on to SuccessFactors HCM Suite and view the SFAPI audit logs, as shown in Figure 22.



Figure 22

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