Reference Guide

Process Builder v10x (ADF)

By CMiC



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User Reference Guide - Version: CMiC Open Enterprise v10x

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Process Builder (ADF) – v10x Tool

Overview – Process Builder (ADF)

Save Run											
	Jelete Delete	Сору	Search								
Process Code AP_ADD_PAYM	IENTS_PROCESS										
Application AP											
Description AP - Process -	Process Payment	3									
	Delete										
Process Steps Create	Delete										
* Sten Name	Target Typ		* Taro	et Name	Program	Report Name	* Display Order	Step Title	Default Step?		
Select Payments	UIRuntime	Program	AP - Se	elect Payments	PAYSEL	reportraine	1	Diep nie	N		
Prepare Checks	UIRuntime	Program	AP - Pr	epare Check	APCHQF	RE	2		N		
Print Checks	UIRuntime	Program	AP - Pr	int Check	APCHQF	RT	3	Print Checks	N		
Post	UIRuntime	Program	AP - Po	ost Check Run	APCHQF	ST	4		N		
•											÷.
Process Flows Create	Delete										
From Stop Name		To Stor	Namo			To Stop Epobled Co	odition		Condition Chock When C	ada	
Poet		Print Ck	nacke			To step Enabled et	maraon		Contration Criccic When C	-	
Post		Prenare	a Chacks								
Deat		Coloct I	Dumonto								
Pusse Charles		Drink di	- ayments								
Prepare Criecks		Print Cr	1ecks							·	=
Prepare Checks		Select F	ayments							v	
Prepare Checks		Post								~	
Print Checks		Select F	Payments							v	
Print Checks		Post								*	
Print Checks		Prepare	e Checks							-	-
Process Flow Paramet	Create	Delete									
						1	1				
From Step Name	To Step Name		То	Step Parameter Na	me	Parameter Or	der From	Step Block Name	From Step Block Field Name	Parameter Default Value	
Post	Print Checks		P_	comp_code		1	Crite	ia	CompCode		
Post	Print Checks		p_	grp_code		2	Crite	ia	GrpCode		
Post	Print Checks		P_	sel_code		3	Crite	ia	SelCode		

Sample of Process Builder.

ENTER VO	DUCHER		Table Mode	💾 Save 🕞 Exit	() () .	∆ D∕ ⊽ O
	Enter Invoices	OO Print Edit List Post Invoices	- Process			
SELECTION CRI	TERIA					
* Company Z	Z	CMiC Construction Inc.				
* Batch	35718 🔺	MIKEFER1 2016-07-29 V	Create Batch			

Sample of a Process, on Enter Voucher screen (VOUCHENT).

CMiC's Process Builder is used to create a Process, which is comprised of a series of links to screens used to complete a particular process, such as the one required to enter, review, and post invoices.

Security Setup: Grant Privilege for Process Builder

USER MAINTER	NANCE				T	able Mode 🕞 E	ixit 🚺 🕐 🛆	
USER * User MIKEFER1			Save/Refresh					
General Assign	Roles System	Privileges	Configuration Privileges	Consolidations Access	Company Access	Employee Security	Compliance Secu	irity
	N PRIVILEGES							
View 👻 🕎 🖬	Freeze 📲 Det	ach 🗖 Se	earch 💩 Workflows 🖛 🗧	Report Options 🛛 👻 🌉 E	xport 🛛 🗣 ECM Docur	nents 🛛 👻 💆 User Ext	ensions	
UIPRCBCRT								
* Cc	ode		* Name	:	* Levels Required	Select		
UIPRCBCRT		UI Process Bu	ilder: Allow User To Create/Edi	t Custom Process Definition	5			
EDIT PRIVILEGE LEV	ELS							
View 🕶 🍸 🖬	Freeze 🖷 Det	ach 💆 Se	earch 🛛 🖶 Insert 📲 Insert I	Multiple 🖷 Delete 🛞	Workflows 🛛 🔻 🔒 Re	eport Options 🛛 💌 🌉 B	Export	*
Lev	el Type		Level Name					
No rows yet.								

Pgm: SDUSRMNT - User Maintenance screen; standard Treeview path: System > Security > Users > User Maintenance

Using the User Maintenance screen, on the **Configuration Privileges** tab, ensure that the user has the following Configuration Privilege: **UIPRCBCRT**.

NOTE: This Configuration Privilege does not require an Editing Level, which would be set up via the lower section, **Edit Privilege Levels**.

Launch Process Builder



Sample of CMiC's launch page.

To launch Process Builder, select **Process Builder** from the **Choose A Tool** section, choose the database environment under the **Choose An Environment** section, and click [**RUNDevTools**], as shown in the above screenshot.

Process Builder can be launched in two modes: Add New, and Edit, as explained by the following subsections.

Create New Process - Add New Mode

Search Proces	ses				
~					
Match 🔘 All 🤅	Any				
Process Code					
Application	-				
Description					
				Search	Reset
Process Code		Application	Description		Custom?
No data to displa	у.				
				OKC	ancel

To launch Process Builder to create a new Process, when the **Search Processes** popup is displayed, click **[OK]** to open Process Builder in Add New mode.

Edit or Copy Existing Process – Edit Mode

Search Processes			
<u> </u>			
Match 🔘 All 🔘 Any			
Process Code			
Description			
		Sea	rch Reset
Process Code	Application	Description	Custom
AP ADD INV PROCESS	AP	AP - Process - Register Enter Invoices	N
AP_ADD_MEMO_PROCESS	AP	AP - Process - Enter Debit/Credit Notes	N
AP_ADD_PARTNER_PROCESS	AP	AP - Process - Maintain Business Partners	N
AP_ADD_PAYMENTS_PROCESS	AP	AP - Process - Process Payments	N
AP_ADD_RECUR_INV_PROCESS	AP	AP - Process - Enter Recurring Invoices	N
AP_VOID_INV_PROCESS	AP	AP - Process - Void Invoices	N
AP_ADJUSTM_PROCESS	AP	AP - Process - Enter Adjustments	N
AP_REGINV_PROCESS	AP	AP - Process - Register Invoices	N
AP_ADD_CHECKS_PROCESS	AP	AP - Process - Enter Manual Checks	Ν
AP_ADD_VOU_PROCESS	AP	AP - Process - Enter Invoices	Ν
TEST	AP		N
AP_PRE_LIEN_PROCESS	AP	AP - Process - Pre Liens	Ν
	۸D	AP - Process - Print Checks	N
AP_PRINT_CHECKS_PROCESS	~		
AP_PRINT_CHECKS_PROCESS AP_POSPAY_REGISTER_PROCESS	AP	AP - Process - Register Positive Pay	N
AP_PRINT_CHECKS_PROCESS AP_POSPAY_REGISTER_PROCESS AP_SELECT_PAYMENTS_PROCESS	AP AP	AP - Process - Register Positive Pay AP - Process - Select Payments	N N

To launch Process Builder to edit or copy an existing Process, when the **Search Processes** popup is displayed, search for and select the Process you would like to edit or copy and click **[OK]** to open Process Builder in Edit mode.

The **Custom?** column, framed above, indicates if the Process is user-defined (indicated by "**Y**") or standard (indicated by "**N**"). Standard Processes, which come with CMiC Enterprise, are not editable, but they can be copied in order to use the copy as a starting point to edit and create a user-defined version of it.

Process Builder – Screen

[Run] – Button



The [Run] button is used to test a new or altered Process.

When clicked, the Process will be executed via a new browser tab, as shown below:

MANUAL CH	IECK ENTRY					Table Mode	Save 2	Exit	(i)	@ ⊥	[≱ ⊽ O
			0	0							
Ma	nual Check Entry	E	dit List	AP Post Batch							
SELECTION CRITE	RIA										
Company	ZZ 🔺	CMiC Test Company Inc	corporated								
Batch Number	43294 🔺	MARIA 2016-01-12 N				Create Batch	Deposits				
Check Details	2nd Party										
👩 Search 🛛 🛃	Insert 🛛 🔁 Delete	Previous Next	🗞 Workflows 💌	🔒 Report Options 📼 🖉 Attachmer	nts 🗐 Notes	ECM Documents	👻 🖧 User Ext	ensions			
Cash Account	ZZ	00	1000.400	WELLS FARGO		Checking Account				US	
Vendor	00002	Melloul Blamey Constr	ruction								
Check Number	20162	Check Amount	100.00	Invoice Related 🖉		Job					
Date	12/Jan/2016	Remaining Amt	0.00	Positive Pay Register		Exchange Rate	1.0000000				
Description						Reconciled N		1099 1			
Language	English 🔻										
	Print Check										

Test all defined Process Steps by navigating between them, and making sure that parameters are passed correctly, and that conditions (if defined) are evaluated as expected.

Process Definition – Section

Save Run Process Definition Create Delete	Copy Search		
Process Code			
Application			
Description			
Process Steps Create Delete			
* Step Name	Target Type	* Target Name	Program/Report Name

This section is used to create or edit a Process's Definition. If the screen was launched in Add New mode, click this section's [**Create**] button to make the fields available for entry.

The following table provides details about the fields of a Process Definition:

Field	Description
Process Code	A unique code to identify the new Process; it is suggested that prefixes or suffixes be added to Process codes in order to categorize them, and to distinguish user-defined Processes from standard ones.
Application	Code of application (module) for which the new process is being defined (e.g. AP, JC, PY); click the search icon (magnifying glass) next to this field to search for the code via a popup.
Description	A description of the process being defined.

[Create] - Button

If the screen is in Add New mode, click this button to make this section's fields available for entry.

[Delete] - Button

Used to delete the Process.

[Copy] - Button

This button is enabled if the displayed Process is saved in the system. It is used to create a copy of the existing Process to use as a starting point to create a customized version of it.

For details, refer to the following subsection, Copy Process to Create Customized Version.

[Search] - Button

Used to search for and load an existing Process.

Copy Process to Create Customized Version

The [**Copy**] button is used to create a copy of an existing Process, including CMiC's standard Processes (provided with system). This is useful if you would like to create a customized version of a standard Process or of a user-defined Process, by adding steps to, or removing steps from the copy.

NOTE: The system's standard Processes are not editable, however, they can be copied, and the copy will be editable.

To create a copy of a Process, load Process Builder with the Process to copy, then click this section's [**Copy**] button.

In the launched pop-up, enter the name for the new Process, as shown below:

Save Run			
Process Definition Create Delete	Copy Search		
Process Code TRHI_PY_BENEFIT_PROCESS			
Application PY			
Description PY BENEFIT PROCESS			
		Copy Process	
Delate		To Process	
Process Steps		TRHI_PY-BENEFIT_PROCESS	
* Step Name	Target Type	* Та	
BENEFIT	UIRuntime Program 💌	PYC - Master - Benefits	PYBENFIT

Click [OK], and Process Builder will now be loaded with the new Process in Edit mode, as shown below:

Save Run																		
✓ Process Definition	Create	Delete	Сору	Search														
Process Code ACME_AR_	ADD_INV_P	ROCESS																
Application AR	9																	
Description AR - Proces	s - Enter In	voices																
✓ Process Steps Cree	ate Del	ete																
* Chan Nama			Tarras	t Tuno		* Target No				Droger	m/Report Name		* Dicolay Order	Stop Tit	le.			Default Stop?
Enter Invoices	_		UIRu	ntime Progr	an 🔻	AP - Enter	Invoice		Q	ARIN	/FM		Display Order	Enter I	nvoices			N
Print Edit List	_		UIRu	ntime Progr	an V	AR - Print	AR - Print Invoice Edit		0	ARIN	/LST		2	Print E	dit List	_		N
Print Invoices	_		UIRu	ntime Progr	an V	AR - Print	Invoices		0	ARIN	/PRN		3	Print In	woices	_		N
Post	_		UIRu	ntime Progr	an V	AR - Post F	Batch		0	ARPS	TEM		4	Post In	voices	_		N
Process Flows Cre	ate Del	lete																
From Sten Name			To Ster	n Name				To Step Enal	led Condition					Condition	Check When Code			
Enter Invoices		-	Print F	Edit List			-	To stop shot					[•			
Enter Invoices		-	Print I	Invoices			-					_	[T			
Enter Invoices		-	Post				•						[•			
Post		-	Print E	Edit List			-	-]		Ŧ			
Post		-	Enter	Invoices			-	#{bindings.	Control_BatchN	um.inputVal	ue ne null}		[COMMIT	Ŧ			
Post		-	Print I	Invoices			-						[Ŧ			
Print Edit List		-	Print I	Invoices			-						ĺ		٣			
Print Edit List		-	Enter	Invoices			-					_	Ī		٣			
Print Edit List		-	Post				-						[Ŧ			
Pulak farminan		-	Caber 1				-1						1		-			
✓ Process Flow Paran	neters _	Create [Delete					-1				-1						1
From Step Name			To Step	o Name				To Step Para	meter Name		Parameter Order	From Step Bl	ock Name		From Step Block Field	Name		Parameter Default Value
Enter Invoices		_	Print Ed	dit List	_	_	_	p_batch_nu	mber	2	3	CONTROL		2	BchNum		٩.	
Enter Invoices			Print Ed	dit List				p_comp_comp_comp_comp_comp_comp_comp_com	de	9	2	CONTROL		0	CompCode		Q	
								the street			P						-	0

Process Steps - Section

Application Ar													
Description AP - Process	- Void Invoices												
Process Steps Create Delete													
* Step Name	Target Type	* Target Name	Program/Report Name	* Display Order	Step Title	Default Step?							
Select Invoices	UIRuntime Program	AP - Void Voucher	APVOUVOD	1		N							
Print Edit List	UIRuntime Program	AP - Print Voucher Edit List	APEDITLIST	2		N							
Post	UIRuntime Program	AP - Post Batch	APPST	3		N							

This section is used to define or edit the Steps in a Process. If the screen was launched in Add New mode, click this section's [**Create**] button to create a row to define a Process Step.

The following table provides details about the fields in this section:

Field	Description
Step Name	Name for the Process Step, which will be used in the next section to define Process Flows (rules controlling navigating between Process Steps).

Target Type	The type of program that will be launched by the Target selected via the Target Name field. Targets can launch either a UI Runtime Program (Enterprise application) or a Jasper Report. The Target Name field's LOV only lists Targets of the type selected via this field.					
	Click this field's search icon (magnifying glass) to select the Target that launches the desired (targeted) program for this Process Step.					
Target Name	 Targets: A Target is a set of information that is used by one program to launch another program. Targets for standard UI Runtime Programs and Jasper Reports are available for selection via this field's popup, including user-defined Targets; to launch a new program or Process, a Target must be created for it by using Treeview Builder. 					
	• For details about creating Targets, refer to the <i>Screen Calls – Screen</i> section of the V10xTOOLS ADF – Log Builder reference guide, or to the <i>Create New Target</i> section of the V10xTOOLS ADF – UI Treeview Builder user guide.					
Program/Report Name	This read-only field displays the name of the UI Runtime Program or Jasper Report that is targeted by the selected Target.					
	Order in which the Steps should be positioned in the Process.					
Display Order	NOTE : It is suggested to number steps as 10, 20, etc., to give some room for adding more steps in the future without having to renumber the existing steps.					
Step Title	Label to identify the Step. If left blank, the Program Description will be read from the database and displayed as the label for the Step; otherwise, this field's text is used as the label.					
Default Step?	This is an indicator to specify which Step will be loaded first when this Process is run: " Y " indicates it is the first step and " N " indicates it is not the first step (only one Step can be set as the default). If all Steps have this field set to " N ", the first Step according to the D isplay Order will be loaded first.					

Click [Save] when finished.

[Create] - Button

Click to create a new row to use to define a new Process Step.

[Delete] - Button

Used to delete a selected Process Step.

Process Flows – Section

Print Edit List	UIRuntime Pr	UIRuntime Program AR - Print Invoice		List	ARINVLST	2	Print Edit List	N	
Print Invoices	UIRuntime Program		AR - Print Invoices		ARINVPRN	3	Print Invoices	N	
Post	UIRuntime Pr	rogram	AR - Post Batch		ARPSTFM	4	Post Invoices	N	
Process Flows Crea	te Delete								
From Step Name		To Step Na	me	To Step Ena	bled Condition		Condition Check When	Code	
Enter Invoices		Print Edit Li	st						-
Enter Invoices		Print Invoid	ies						-
Enter Invoices		Post							-
Post		Print Edit Li	st						-
Post		Enter Invoi	ces	#{bindings.(Control_BatchNum.inpu	itValue ne null}	COMMIT		-
Post		Print Invoid	es						-
Print Edit List		Print Invoid	ies						-
Print Edit List	Print Edit List Enter Invoices							-	
Print Edit List		Post							-
Discourse Flows Downey	-town Croat						1		

This section is used to create rules that control the navigating between Process Steps.

In order to navigate from one step to another step, sequential or not, a rule must be created that decrees that the destination step (i.e. To Step) can be navigated to from the step of origin (i.e. From Step). A To Step cannot be navigated to from a From Step unless there is a rule explicitly stating so. In the above example, there are three steps (Enter Invoices, Print Edit List, and Post), and navigation rules have been set up to allow the navigation from any one of these steps to any of the other steps.

Also, if necessary, a condition can be set up for the From Step that must be satisfied in order for the To Step to become enabled in the Process.

To create a new navigation rule, click the [Create] button to insert a new row to define it.

The following table provides details about the fields in this section:

Field	Description
From Step Name	Select the From Step; LOV contains Steps created under the Process Steps section.
To Step Name	Select the To Step; LOV contains Steps created under the Process Steps section.
To Step Enabled Condition	Condition that is evaluated at runtime to determine whether or not the To Step is enabled; see following subsection, Set Up Condition, for details. If a condition is specified, the Condition Check When Code field must specify when this condition is to be checked.
Condition Check When Code	Specifies when the To Step Enabled Condition is evaluated; see following subsection, Set Up Condition, for details.

[Create] - Button

Click to create a new row to use to define a new Process Flow.

[Delete] - Button

Used to delete a selected Process Flow.

Set Up Condition

Process Steps Process Flows Create De	lete				
From Step Name		To Step Name		To Step Enabled Condition	Condition Check When Code
Enter Checks	-	Post	•	da.dbk_validation.f_posting_allowed (:CONTROL_CompCode, :CC	ACTION T
Enter Checks	-	Edit List	-	#{bindings.CONTROL_EditingAllowed.inputValue eq 'Y'}	COMMIT

To specify a condition under which a To Step on the Process is enabled while on a From Step, the **To Step Enabled Condition** and **Condition Check When Code** fields are used, as shown above.

To Step Enabled Condition – Field

This field is used to enter a condition that controls when the **To Step** is enabled. A condition is evaluated when the Process's first screen is initially launched, and when specified by the **Condition Check When Code** field.

The To Step Enabled Condition can be either of the following two types:

EL Expression

An EL Expressions always references fields on the screen for the From Step.

Example:

#{bindings.CONTROL_EditingAllowed.inputValue eq 'Y'}

Database Function

A Database Function can reference fields on the screen for the From Step as parameters values.

Example:

da.dbk_validation.f_posting_allowed (:CONTROL_CompCode, :CONTROL_BatchNumber);

Condition Check When Code - Field

This field is used to specify when the To Step Enabled Condition is evaluated.

NOTE: In addition to the below options, the condition for the first Step will also always be evaluated when the Process is initially launched.

The following are this field's available options:

ACTION

Condition is evaluated after returning from any Process Flow and/or Screen Call invoked from the From Step

COMMIT

Condition is evaluated after data is committed in the From Step

ALL

Condition is evaluated after returning to the From Step from any Process Flow and/or Screen Call, and after data is committed in the From Step

Process	Flow	Parameters	– Section
---------	------	------------	-----------

Save Run							
× Process Definition Create Delete	Copy Search						
Process Code AP_ADD_PAYMENTS_PROCESS Application AP Description AP - Process - Process Payments							
Process Steps Create Delete							
* Sten Name	Target Type	* Target Name		Program/Report Name	* Display Order	Step Title	Default Sten2
Select Payments	UIRuntime Program	AP - Select Payment	ts.	PAYSEI	1	Step not	N
Prepare Checks	UIRuntime Program	AP - Prepare Check		APCHOPRE	2		N
Print Checks	UIRuntime Program	AP - Print Check		APCHOPRT	3	Print Checks	N
Post	UIRuntime Program	AP - Post Check Run	1 I	APCHQPST	4		N
Process Hows Create Delete							
From Step Name	To Step Name		To Step Enabled Condition			Condition Check When Code	
From Step Name Post	To Step Name Print Checks		To Step Enabled Condition			Condition Check When Code	
Process Hows Greate Delete From Step Name Post Post	To Step Name Print Checks Prepare Checks		To Step Enabled Condition			Condition Check When Code	Â
Process Hows Create Deete Prom Step Name Post Post	To Step Name Print Checks Prepare Checks Select Payments		To Step Enabled Condition			Condition Check When Code	Î
YOU Process Hows Deale Deale From Step Name Post Post Post Post Prepare Checks	To Step Name Print Checks Prepare Checks Select Payments Print Checks	_	To Step Enabled Condition			Condition Check When Code	
YOUNDESS HOWS Unlast Unlast From Step Name From Step Name Post Post Prepare Checks Prepare	To Step Name Print Checks Prepare Checks Select Payments Print Checks Select Payments		To Step Enabled Condition			Condition Check When Code	A E
Process Hows Create Decire From Step Name Post Post Proper Checks Prepare Checks P	To Step Name Print Checks Prepare Checks Select Payments Print Checks Select Payments Post	3 parameters pass	To Step Enabled Condition			Condition Check When Code v v v v v v	
YO Process Hows Deale Deale From Step Name Post Post Prepare Checks Prepare	To Step Name Print Checks Prepare Checks Select Payments Print Checks Select Payments Post Select Payments	3 parameters pass to Print Checks so	To Step Enabled Condition			Condition Check When Code	E
YO Process Hows Unlease Unlease From Step Name From Step Name Post Post Prepare Checks P	To Step Name Print Checks Prepare Checks Select Payments Print Checks Select Payments Post Select Payments Post	3 parameters pass to Print Checks sc	To Step Enabled Condition			Condition Check When Code	=
Yorkes Hows Useals Useals From Step Name Post Post Prepare Checks Prepare Checks Prepare Checks Print Checks Print Checks Print Checks	To Step Name Print Checks Print Checks Select Payments Print Checks Select Payments Select Payments Select Payments Post Prost Prepare Checks	3 parameters pass to Print Checks so	To Step Enabled Condition			Condition Check When Code	
Ornoces Hows Deale Deale From Step Name Post Post Prepare Checks Prepare Checks Prepare Checks Prepare Checks Print Checks Print Checks Print Checks Print Checks Print Checks Print Checks Print Checks Print Checks	To Step Name Print Checks Prepare Checks Select Payments Print Checks Select Payments Post Post Prost Prepare Checks Delete	3 parameters pass to Print Checks so	To Step Enabled Condition			Condition Check When Code	
Y Process Hows Userie Prom Step Name Prost Post Program Prepare Checks Prepare Checks Print Checks Print Checks Print Checks Print Checks Y Process Flow Parameters Create	To Step Name Print Checks Prepare Checks Select Payments Print Checks Select Payments Post Select Payments Post Select Payments Post Prepare Checks Deltet	3 parameters pass to Print Checks sc	To Step Enabled Condition			Condition Check When Code	
Y Process Hows Utexite Priori Step Name Interim Prepare Checks Prepare Checks Prepare Checks Print Checks Print Checks Print Checks Int Checks Print Checks Int Checks Print Checks Int Checks Print Checks Int Checks Print Checks Interim Checks Int Checks Interim Checks Int Checks Interim Checks Int Checks Interim Checks	To Step Name Pripare Checks Select Payments Print Checks Select Payments Post Select Payments Post Propare Checks To Step Name	3 parameters pass to Print Checks so	To Step Enabled Condition	Parameter Order	From Step Block Name	Condition Check When Code Code Code	ne Parameter Default Value
Y Process Hows Userie Prior Step Name Post Prepare Onedia Prepare Onedia Prepare Onedia Print Onedia Print Onedia Print Step Name Peat	To Step Name Print Checks Print Checks Select Payments Print Checks Select Payments Post Select Payments Post Select Payments Post Select Payments Propare Checks Delete To Step Name Print Checks	3 parameters pass to Print Checks so	To Step Enabled Condition	Parameter Order 1	From Step Block Name Criteria	Condition Check When Code	ne Parameter Default Value
Y Process Hows Unexit Prior Step Name Post Pepare Checks Prepare Checks Prepare Checks Print Checks Print Checks Print Checks Print Checks Print Checks Print Checks Y Process Flow Parameters Create From Step Name Post Post Post	To Step Name Print Checks Print Checks Select Payments Post Select Payments Post Select Payments Post Select Payments Post Post Select Payments Dost Post To Step Name To Step Name To Step Name	3 parameters pass to Print Checks so	To Step Enabled Condition To Step Enabled Condition To Step Parameter Name p.comp.code p.grp.code	Parameter Order I 2	From Step Block Name Criteria Criteria	Condition Check When Code	me Parameter Default Value

This section displays Process Flow Parameters for the selected Process Flow in the **Process Flow** section, and it is used to specify what, if any, parameters are to be passed from the screen of origin to the destination screen.

As shown above, for a particular Process Flow, comprised of a From Step (origin screen) and a To Step (destination screen), the parameters to pass from the screen of origin to the destination screen are specified via the **Process Flow Parameters** section.

To pass a parameter from the screen of origin to the destination screen, first ensure that the parameterpassing requirements are meet, as detailed in this section's *Parameter-Passing Requirements* subsection. Then, select the relevant Process Flow under the **Process Flow** section, and click the **Process Flow Parameters** section's [**Create**] button to insert a new row to provide the details required to pass the parameter from one screen to the other.

The following table provides details about the fields in this section:

Field	Description
From Step Name	Read only field, prepopulated with the From Step of the Process Flow selected under the Process Flow section.
To Step Name	Read only field, prepopulated with the To Step of the Process Flow selected under the Process Flow section.

							Search and Select <mark>: To Step Param</mark>	eter Name
	> Process Steps			Search	Advanced			
	Process Flows Create C	Delete		Match All Any				
							To Step Parameter Name	
	From Step Name		To Step Name		To Step Enabled Condition		Data Type	V
	Edit List	-	Post	_			Default Value	
	Edit List	-	Enter Checks	-				Search Reset
	Enter Checks	-	Post	-	da.dbk_validation.f_posting	g_allowed (To Step Parameter Name	Data Type
	Enter Checks	-	Edit List		#{bindings.CONTROL_Editi	ingAllowed	p_app_code	VARCHAR2
	POST		Enter Checks				p_scr_type	VARCHAR2
							p_comp_code	VARCHAR2
	Process Flow Parameters	Create	Delete				1	-
To Step	From Step Name		To Step Name		To Step Parameter Name			1
Parameter	Enter Checks		Edit List			Q(
	Enter Checks		Edit List		p_scr_type	4		
Name	Enter Checks		Edit List		p_batch_number			
	Enter Checks		Edit Ust		p_comp_code	~	•	•
								OK Cancel
	Name of field or	tha a	creen of origi	n that is	to be nassed a	ic a n	arameter to the er	vnecting
		i uie s	screen or origi	II ulat 18	io de passeu, a	is a p	arameter, to the e	rpeeting
	destination scree	en.						
						æ		
	As shown above	, all p	arameters def	ined for t	the associated	Targ	et will be displaye	ed in this
	field's LOV.							
	If this field's LO	V co	ntains no entri	es, it me	ans that there a	are no	o parameters defir	ned for the
	Target associated	d to th	e destination	screen]	f this is the ca	CA V	ou must first defir	e the needed
	Target associated	u 10 u	ic destination	Screen. I		ise, y		
	parameters. If y	ou are	e using one of	the stand	lard Targets pr	rovid	ed by CM ₁ C, you	will not be
	able to add more	para	meters, but vo	u could d	lefine and use	vour	own Target for th	e destination
	screen instead	I	···· , · ··· ,			5	0	
	sereen msteau.							
Parameter	Order in which r	aram	eter will be n	ussed and	evaluated: thi	is fiel	d is optional and	if left blank
		1 6			evaluated, th	is nei	u is optional, and	II ICIT DIAIIK,
Order	the order specific	ed for	the Target is	used.				
	A				(TTD 4' T	D		
From Sten	Applies only wh	en the	e From Step 1s	of type	UIRuntime	Prog	cam"; this is the n	ame of the
From Step	block (screen see	ction)	on the From	Step's sci	reen that conta	ains tl	he field that holds	the value for
Block Name	the narameter	,		1				
	the parameter.							
	Applies only wh	on the	From Sten is	of type '	HIRuntimo I	Prog	ram": this is the n	ama of the
	Applies only with			of type		liugi		
	field on the Fron	n Step	o's screen, und	ler the bl	ock (screen se	ction) specified by the	From Step
	Block Name fiel	ld tha	t contains the	value for	the parameter	r.		
					1			
	This field's LOV	∕ only	v lists fields th	at are con	npatible with t	the D	DATATYPE define	ed for the
	selected naramet	er Í	sing the follo	wing scre	enshot as an e	vam	nle_since the	
		CI. U		wing serv		-namj		• • •
	p_batch_numb	er fiel	ld is defined a	s type N	JMBER, the F	rom	Step Block Field	l Name
	field's LOV only	y disp	lays fields that	t are also	defined as typ	pe NI	JMBER.	
From Ston		· •	· ·				Search and Select: From Ster	Block Field Name
From Step								
Block Field							Search	Advanced
Name	To Step Derameter Name	Param	atar Ordar Erom Stan Bloc	Name	From Step Block Field Nar	ma	Match All Any	
	p_batch_number	s	B0	Q		Q.	Data Type	
	p_scr_type	10		Q	•	Q	e Data Type	
								Search Reset
							Name	Data Type
							SeqNum BchNum	NUMBER NUMBER
								- TOP IDEN
							•	•
								OK Cancel

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Parameter Default	Step Block Name and From Step Block Field Name fields to specify the field where the parameter's value is to come from.
Value	NOTE : If this field is used to specify a value for the parameter, the From Step Block Name and From Step Block Field Name fields would not be used

[Create] - Button

Click to create a new row to use to specify a parameter.

[Delete] - Button

Used to delete a selected parameter.

Parameter-Passing Requirements

The way parameters are passed from one screen to another is as follows: the value of a field on the origin screen is passed, as a parameter, into the corresponding field on the destination screen (e.g. value of Company field on origin screen is passed to Company field on destination screen).

Consequently, to pass a parameter from the origin screen to the destination screen, the destination screen must have a field that corresponds to the field on the origin screen from which the parameter comes.

Also, as illustrated by the following two screenshots, if navigation is allowed back and forth between two screens, and values are passed as parameters from the origin screen to the destination screen in order to initialize it (e.g. initialized to load for particular Company and Batch), you must also pass those values as parameters in the other direction, otherwise those values are lost.

Forward Flow:

Process Flows Create Delete						
From Step Name	To Step Name	To Step Enabled Condition		Condition Ch	heck When Code	
Edit List	Post				•	
Edit List	Enter Checks				T FC	orward Flow
Enter Checks	Post	da.dbk_validation.f_posting_allowed (:C	ONTROL_CompCode, :CC	ACTION	•	
Enter Checks	Edit List	#{bindings.CONTROL_EditingAllowed.in	putValue eq 'Y'}	COMMIT	Ŧ	
Post	Enter Checks				Ŧ	
Process Flow Parameters Create D	elete					
From Step Name	To Step Name 🔻	To Step Parameter Name	Parameter Order From	n Step Block Name	From Step Block Field Name	Parameter Default Value
Enter Checks	Edit List	p_scr_type	10	Q		🔍 с
Enter Checks	Edit List	p_batch_number	20 B0	Q	BchNum	Q
Enter Checks	Edit List	p_comp_code	30 B0	Q	CompCode	Q

Corresponding Backward Flow:

Process Flows Create	Delete										
From Step Name		To Step Name		To Step Enabled Condition				Condition	Check When Code		
Edit List	-	Post	-						٣		
Edit List	•	Enter Checks	-						•	Backw	ard Flow
Enter Checks	-	Post	-	da.dbk_validation.f_posting_al	lowed (:C	ONTROL_CompCode,	:CC	ACTION	٣		
Enter Checks	-	Edit List	-	#{bindings.CONTROL_EditingA	llowed.in	putValue eq 'Y'}		COMMIT	•		
Post	-	Enter Checks							٣		
	Create D	elete									
From Step Name		To Step Name		To Step Parameter Name	$\blacksquare \nabla$	Parameter Order	From Step Block Name		From Step Block Fie	ld Name	Parameter Default Value
Edit List		Enter Checks		p_comp_code	9		CtrlCheckBlk	Q	CompCode	S	
Edit List		Enter Checks		p_batch_number	Q		CtrlCheckBlk	Q	BchNum	Q	

Make New Process Accessible

Add Process to Treeview via Treeview Builder

To add a new Process to a Treeview, use CMiC's Treeview Builder development tool. For details about Treeview Builder, please refer to the *V10xTOOLS ADF - UI Treeview Builder* reference guide.

NOTE: New Processes will need to have a Target (set of information required to launch a program) created for them. For details about creating Targets, please refer to the *Create New Target* subsection under the *V10xTOOLS ADF - UI Treeview Builder* reference guide's *Configure Treeview* section.

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