



Designing your first Process

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Prerequisites

- Installed Joget.
- Understand various components of Joget.
- General understanding of Joget as an end user.



Content

- 1. Business Process Design (BPE)
- 2. Designing your First Process with Process Builder
- 3. Running your First Automated Process
- 4. Participant Mapping
- 5. Process Monitoring



Chapter 1

Business Process Design (BPE)



Business Process Management

- BPM is a management approach focused on aligning all aspects of an organization with the wants and needs of clients.
- Wants & needs = business goals.
- BPM attempts to improve processes continuously.



- 1. Identify a process
- 2. Identify **start** and **end** of the process
- 3. Identify process participants
- 4. Identify as-is process activities
- 5. Identify **business rules**
- 6. Identify **areas for optimization**: process activities and business rules that can be:
 - Improved
 - Eliminated
- 7. Draw the improved / **to-be** process as flowchart



Identify a Process

• E.g:

–Purchase Request Process–Purchase Order Process

Note: Let's start simple by focusing **only** on **purchase request process** first.



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Start & End of Purchase Request Process

- Start:
 Applicant submits purchase request form
- End:
 - Applicant informed with purchase request result



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Process Participants



Request applicant.

Request approver.



Purchasing department (PD).

Note: The approver can also be the same participant that handles the purchase orders.



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As-is Process Activities



Applicant **submits** purchase request form to PD.



PD staff **checks** available stock.



PD staff approves / rejects purchase request.



PD staff informs applicant on the request status.



PD staff **escalates** approved requests to the purchaser in the department to perform purchase ordering.



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Business Rules

- 1. If requested item in stock is low:
 - Approver processes purchase request
 Else if many more stock is available:
 - Reject purchase request
- 2. If purchase request is **approved**:
 - Escalate approved request to purchaser to handle ordering.
 - Inform applicant on the approved request

Else if purchase request is **rejected**:

Inform applicant on the rejected request



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To-Be Process Activities

As-Is

- 1. Applicant submits purchase request form to PD
- 2. PD checks available stock
- PD informs applicant on existing abundance of stock
- 4. PD **approves / rejects** purchase request
- 5. PD **informs** applicant on **request status**
- PD escalates approved requests to purchaser to handle purchase ordering

To-Be

improved

- Applicant submits purchase request form to PD
- 2. System checks available stock
- 3. System **notifies** applicant on **existing abundance of stock**
- 4. PD **approves / rejects** purchase request
- 5. System notifies applicant on request status & purchaser
 on new approved request via email



- 1. Identify a **process**
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To-Be Purchase Request Process





- 1. Identify a process
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Now, Identify a Process, and Engineer It!





Sample Process Statement

- Jane needs to get some stationeries.
 - The request that she submits must be first approved by PD staff before being sent to another respective staff in the department to handle the order. The department will then notify Jane accordingly.



Hands-On: Business Process Engineering





Chapter 1 Review

- General understanding on how to best design a Process.
- With the finished process design, one can now bring the finished process design/flow and implement it in Joget.



Chapter 2

Designing your first Process with Process Builder



Business Process Automation













Create Your First App

• Design Apps -> Design New App

	DESIGN NEW APP		Naming convention: Use camelCase for better legibility for App ID, Process ID,		
J	App Details		and Activity ID		
	App ID	purchaseRequisitio	on 🖌		
A State	App Name	Purchase Requisit	ion		
	Show Advanced Options Save Cancel				



Naming Convention

- Use **camel case** for App ID, Process ID, Activity ID. For example:-
 - purchaseRequisition
 - purchaseRequestProcess
 - submitRequest
- Do not use snake case as it conflicts with process instance ID naming convention:-

1_purchaseRequisition_purchaseRequestProcess_submitRequest

• Maintain consistent naming convention that you have decided across the board.



Create Your First App

- Purchase Requisition Application
 - Purchase Request Process
 - Applicant submits
 - Approver **approves**
 - Applicant is **notified** of the request result



Design Your First Process

• Launch Process Builder – **Processes > Design Processes**

Get DX ENTERPRISE				
Design App: Purchase Requisition Version 1 Not Published	Design Processes	Update via Saved 2 n Design Process to	XPDL o start designing your pro	ocess.
🖍 Forms & UI		Participant	PROCESS BU	JILDER - Purchase Requisition v1
ProcessesProperties & Export		Activity	te l	
		Tool	Particip	
		Route		



Defining Your Process

- Rename Process ID and Name
 - -Use camel case for ID purchaseRequestProcess
 - -Do not use **snake case** as it conflicts with process instance ID naming convention





Defining Your Participant

• Rename the existing participant to **Applicant**.





Smart Guide

• The Process Builder will highlights logical errors as you design.

	PR	OCESS BUI		urchase Requis	sition v1	
Participant	Purcha	ase Request Process	*	Ø0 @+		
Activity	Applicant		Activity 1	Vissing transition	Activity 2	
Tool			•	or start/end.		Missing transition or start/end.
Route						



About Smart Guide

- Advises only on possible design errors.
- Will **NOT** advise on flawed business logic, design inefficiency.


Insert Activities and Transitions

• Drag and drop, select the appropriate nodes to build the Process.





Rename Activity ID and Name

- Rename the activity node to make it meaningful.
- Use camelCase naming convention for ID (submitRequest).





Implementing the Business Rule

 Route: Diamond-shaped node – Used to implement business rules.





Completing the Design

• Insert the rest of the activities.





Managing the Transition Style

Set shape to Straight / Orthogonal to shape your transition.





Declaring the Workflow Variable

• Variables used in the Process must be declared in the Process's properties.

Participant	Purchase R	Request Process	• • • •		
	111	+		Auto	o save when close? 🔲 🛛 🗙
Activity	Applicant			Process Properties > Subflow Prope	rties > SLA Options 🔀
Tool		Process Properties	0		
Route		ID *	purchaseRequestProcess		
\square	ver	Name *	Purchase Reque		
Subflow	Appro	Workflow Variables	VARIABLE ID		
Start			status	© © <mark>8</mark>	
End			0		
		Subflow Properties			
	ystem	Subliow Properties	2 <u>1</u>		
	^o	Formal Parameters	PARAMETER ID	MODE	
			·		
		< Prev Next >		1	OK Cancel



Deploying Your Process Design

• On the top right corner of the designer, click on "Deploy" to push your finished design back into your Joget App.

	りUndo C Redo G	२. 🔍 🌣 Debug	🗗 Deploy
Notify Rejected Request	→●		



Implementing the Business Rules

Launch Process Mapper.
 App Design > Processes > Configure Mapping





Implementing the Business Rules

Route: Diamond-shaped node – Used to implement business rules.

Purchas	PROCESS MAPPER - Purchase Requisition v1 se Request Process			
Applicant	Submit Request	MAP ROUTES TO PLU	GINS - APPROVED? (ROUTE1)	
		PLUGIN NAME	PLUGIN DESCRIPTION	PLUGIN VE
ľ		Bean Shell Decision	Executes standard Java syntax	7.0.0
Approve	Reject Request	Simple Rules Decision	Using rules to decide the next transitions for process flow.	7.0.0
ď	Notify	Simple TensorFlow Al Decision	Using TensorFlow outputs to construct the rules for process flow next transitions decision.	7.0.0
System	Approved Request			
		15 🗸 🖌 🖌 Page	1 of 1 > N 2 Displaying 1 to 3 of 3	items



Implementing the Business Rules

• Choose Simple Rules Decision.

MAP ROUTES TO PLU	GINS - APPROVED? (ROUTE1)				
Search					
PLUGIN NAME	PLUGIN DESCRIPTION	PLUGIN CONFIGURATION - A	.PPROVED? (ROUTE1)		
Bean Shell Decision	Executes standard Java syntax	Configure Simple Rules Decisio	n		
Simple Rules Decision	Using rules to decide the next transitions for process for	Rules *	IF		
Simple TensorFlow Al Decision	Using TensorFlow outputs to construct the rules for process flow next transitions decision.		And V		Equal To
			THEN		
			Transition	~	transition3 (Notify Approved Request) $ \lor $
15 V 14 / Daga			Add Rule		
N Page			ELSE THEN		
			Transition	~	transition4 (Notify Rejected Request) 🗸



Setting the Rules for Transition Condition

• When the **status** variable is met with certain condition(s), route accordingly.

PLUGIN CONFIGURATION - AP	PROVED? (ROUTE1)					×
Configure Simple Rules Decision						•
Rules *	IF				Add Condition CAdd Grou	₽
	status		Equal To	✓ Approved	<u> </u>	
	THEN				Add Actio	n
	Transition	 ✓ transiti 	on3 (Notify Approved Request) 🗸		â	
	Add Rule ELSE THEN					
	Transition	✓ transition	on4 (Notify Rejected Request) 🗸			-
					Submit Change Plug	gin



Simple Rules Decision Plugin

• Hash variable is supported in input fields as well for complex use cases.

PLUGIN CONFIGUR	ATION - APPROVED? (ROUTE	:1)	×
Configure Simple Ru	les Decision		•
Rules *	IF	Workflow Variable	Add Condition OAdd Group
	stat	Equal To	✓ Approved

Note: This means you don't even need workflow variables to control the route!

e.g.: using Form Hash variable to read form field value to route



Simple Rules Decision Plugin

• Hash variable is supported in input fields as well for complex use cases.

PLUGIN CONFIGUI	RATION - APPROVED? (RO	JTE2)		×
Configure Simple R	ules Decision 🕜			•
Rules *	IF I And ~	Hash Variable	Add	Condition OAdd Group
		form.purchase_requests.appro ⁻ Equal To	Approved	面

e.g.: using *Form Hash Variable* to read form field value to route **#form.purchase_requests.approval#**



If and otherwise...

- Does this resemble the typical programming if-else condition block?
- Is this the best design?
- Why not if-else-if-else everything? (In other words, explicitly set all possible conditions)



Alternative Business Rule Implementation

- Prior to DX, business rules implementation must be done in the Process Builder.
- This approach is **no longer recommended** as it is difficult to change business logic without redeploying the whole process design of the entire app.





Advantages of using Process Mapper

- No need to constantly deploy the Process Builder when changing the business logic.
- Decision Tool Plugin takes precedence over Process Builder conditional setup.



Alternative Business Rule Implementation

• App Design > Processes > Design Process.





Alternative - Defining the Transition Condition

• When the **status** variable is met with certain condition(s), route accordingly.

						[close]
	Transition Properties					
Approv. J?	Name Style	StraightOrthogonal				
	Туре	Condition		*		
status	Use Condition Helper	Yes		*		
	Conditions *	Join	Variable	Operation	Value	
ptify Approved	_	AND *	status 🗙 🔻	Equal To 🔹	Rejected	000
Request		0				



Alternative - Anything else...

• Handling the "otherwise", if any.



Note: In this case, "otherwise" is also correct. All conditions are set explicitly for educational purposes.



Good to Know

- Expressions in "Condition" are evaluated in JavaScript.
- Workflow variable are stored as data type string.



Good to Know

- Native Javascript functions are accepted. For example...
 - status == "Approved" && parseInt(balance) > 0
- Make sure of debugger tool such as Firebug / Developer
 Tools to test the expression before deploying.

🥐 🗣 < > >= 🖸	Console - Hi	FML CSS Sc	ript DOM	Net Cookies	🔎 Search wit 🔺 👻 🗧	00
📕 Clear Persist Pro	ofile All F	Run Clear C	opy Pretty P	rint History		Þ
<pre>> balance = "2"; stat "Approved"; if(st =console.log("OK }else{ console.lo } OK</pre>	<pre>sus = 1 satus (");</pre>	<pre>balance = status = if(statu console }else{ console } </pre>	"Approved" "Approved" 15 == "Appr 2.log("OK") 2.log("KO")	; oved" && pars; ;	eInt(balance) > 0){	



Chapter 2 Review

- Create a new App.
- Design and deploy Process design into the App.
- Understand the naming convention.
- Define various kind of process design elements.
- Define workflow variable.
- Deploying process design to Joget.



Chapter 3

Running your First Automated Process



How to Test?

- There are 2 ways in general.
 - Make use of the "Run Process" button in App Design > Processes (only for admin)
 - Make use of **Userview** (for all users)



How to Test?

- There are 2 ways in general.
 - Make use of the "Run Process" button in App Design > Processes (only for admin)
 - Make use of **Userview** (for all users)



Verify the Process Using Run Process

• Run through the Process to verify.

G JOGET DX ENTERPRIS	
Design App: Purchase Requisition	Design Process Configure Mapping Update via Saved XPDL Run Process
Version 1 Not Published	Process name: Purchase Request Process
🕼 Forms & UI	Submit Request
Processes	
Properties & Export	Approve / Regulat Request
🔀 Addon Builders	Notify Rejected Request
Performance	System
' Logs	



Approved Request

6

HINT: Activity name is

configured in Process

Verify the Process

• Complete the assignment to proceed.

JOGET DX ENTERPRISE	Builder
Design App: Purchase Requisit	PROCESS - SUBMIT REQUEST
Version 1 Not Publis status	Submit
Processes	Request
	Approve / Reject Request



Accessing the Assignments

• App Center -> Universal Inbox







Determining the Flow Using Route

• Manipulate the Process using Workflow Variable and complete the process.





Exercise

- Run through the process from the start again to test out the "Rejected" case scenario.
- The last chapter will inform you how to be *exactly* sure if your process flows properly.



Good to know

- At this point of time, the App is NOT published yet, therefore end user would not be able to run it.
- "Run Process" button at the App Designer's Processes tab is a convenient way to verify your process flow.



How to Test?

- There are 2 ways in general.
 - Make use of the "Run Process" button in App Design > Processes (only for admin)
 - Make use of **Userview** (for all users)



Verify the Process Using Userview

- Create a new userview.
- Add Run Process and Inbox element.
- **Publish** the App.
- Try running the whole process again by accessing the userview from the app center.



Create New Userview

Design App: Purchase Requisition Version 1 Not Published	Q Search using keywords or #tag			Show Tags 2 Refresh
Forms & UI Frocesses Properties & Export	Create New Form	Create New Dat	talist	Create New Userview USERVIEW
X Addon Builders			CREATE NEW USERVI	EW
G All Apps		1	D Name	purchaseRequisitionPortal Purchase Requisition Portal
		C	Description	



Userview Category

- Items are organized by Category.
- Add 1 new category Purchase Requisition.

USERVIEW BUILDER Purchase Requisition v1: Purchase Requisition Portal (Published)										
j.	DESIGN USERVIEW	SETTING	s 🔿	PREVIEW	SAVE					
Bas	sic									
	Form	Purchase Requisition Portal								
HTML	HTML Page	Click to edit								
	Inbox	#date.EEE, d MMM yyyy#								
S	Link	Menu			Add Category					
⊞	List	A Home	Dava series in							
►	Run Process	Welcome	Drop menu iter	n nere						
	Universal Inbox				- <con< th=""></con<>					
2/	User Profile									



Add Run Process Into Userview

• Drag-n-drop Run Process into Purchase Requisition category.

USERVIEW BUILDER Purchase Requisition v1: Purchase Requisition Portal (Published)										
DESIGN USERVIEW	SETTINGS	\rightarrow	PREVIEW	\geq	SAVE					
Basic										
Form	Purchase	Requ	isition Por	tal						
HTML HTML Page										
🖨 Inbox	Menu			+						
<i>𝚱</i> Link	🖀 Home									
🖽 List		Drop menu iten	n here							
Run Process	Run Process									
Universal Inbox	Purchase Requisition		rot							
Liser Profile		Drop menu iten	n here							
Enterprise	Run Process									
CRUD CRUD										
alendar Calendar										
Lui Chart										
Dashboard	Powered by Joget									


Integrate Run Process Into Userview

- Set the appropriate label.
- Select Purchase Request Process in Process.

DESIGN USERVIEW	SETTINGS	S PREVI	EW	SAVE	່ງ Undo C ^e Redo	🗲 Advan	
Basic							
B Form	Purcha	se Requisitior	n Portal				
TTML HTML Page	Click to edit						
🖸 Inbox	#date.EEE, d M	ИММ уууу#			Logout		
𝔗 Link	Menu	+				Aı	
∎ List	者 Home			Edit	Run Process > Redirection >	Advanced :	
Run Process	Welcome	Edit Pup Process					
Universal Inbox		Euit Ruit Process					
User Profile	Purchase Requisit	ld	BA6BD1DB1F18475	4AD3251A5EB6FF	FB22		
	Run Process	Custom ID					
interprise							
nterprise		Label *	Submit New Reques	a de la companya de la compa			
enterprise Ruo CRUD		Label * Process *	Submit New Reques	rocess (purchaseF	Req × 🔻 🗹		
Enterprise RUD CRUD IM Chart Dashboard		Label * Process *	Submit New Request	rocess (purchaseF	Req× × 🗹		
Enterprise Reco CRUD Chart Dashboard Datalist Inbox	Powered by ,	Label * Process * Run process without confirmation screen?	Submit New Request Purchase Request P	rocess (purchasef	Req × • 🗹		



Add Inbox Into Userview

- Add Inbox into Purchase Requisition category.
- Configure it to show All Assignments.



Publish the App

- With the Userview created, it is now ready for prime time.
- End users can now access them through this interface when the App is made published.

Note: Only **ONE** App version can be made published at any point of time.



Publish the App

• Click on Version/Publish button, select the version to publish.





Launching the Published App

• Click on Launch under Userview pane.

Purchase Requisition	Q Search using keywords or #tag		Show Tags 2 Refresh
Version 1 Published			
	Create New Form	Create New Datalist	Create New Userview
🕑 Forms & UI			
Processes	FORMS	LISTS	USERVIEW
Properties & Export			Purchase Requisition
💥 Addon Builders			
Performance			
'🍋 Logs			
G All Apps			



Launching the Published App

• One can also access it through the App Center itself.





Run Through the Process

• With the Userview created, run through the entire **Purchase Request Process** again by using the userview.

PURCHASE REQUISITIC	N PORT	AL
Hugo Lim hugo+admin@joget.org	0	♣ Home > Purchase Requisition > Submit New Request
Welcome		PURCHASE REQUEST PROCESS - SUBMIT REQUEST
Purchase Requisition	0	status
Submit New Request		Complete
Inbox		



Run through the Process

• Access subsequent assignment through the Inbox menu.

PURCHASE REQUISITIO	N PORT/	AL							ŕ
Hugo Lim hugo+admin@joget.org	0	A Home → Purchase R	lequisiti	on > Inbox					
Welcome									10 🗸 Show
Purchase Requisition	0	ACTIVITY NAME	¢	PROCESS NAME	¢	DATE CREATED	¢	SERVICE LEVEL MONITOR	DUE DATE
Submit New Request		Approve Request		Purchase Request Process		24-01-2020 06:01 PM		8	
Inbox									One item found.
						Powered by Joget			



Good To Know

• At this point of time, the App is published, therefore end user would be able to access it.



Important Note!

- In DX, by **default**, Run Process will generate **UUID** as the Primary Key instead of **Process Instance ID**.
- You can change it back at Admin Bar > Settings > General Settings > System Administration Settings > Run Process primary key.

🤪 JOGET DX ENTERPRISI	1		
¢₀º System Settings	API Domain Whitelist (Separated by ';')	*	
General Settings	API IP Whitelist (Separated by ';')	*	
Datasource & Profile Settings			
Directory Manager Settings	Glowroot API URL		
₩ Manage Plugins		default: http://localhost:4000	
Manage Messages	Run process primary key	UUID 🗸	
		UUID Process instance ID	



Discussion

Who is Applicant? Who is Approver?
 Have we actually defined who they really are?



Chapter 3 Review

- Evaluate and verify the process by using:-
 - Run Process button available to only the App Designer/Admin.
 - Userview which is accessible by end users.



Chapter 4

Participant Mapping



Participant Mapping

- User Mapping Categories.
 - Map to User or Group
 - Map to Org Chart
 - Map to Workflow Variable
 - Map to Plugin



Plugin Types

App Builder Components & Supported Plugin Types

Userview Builder

- Userview Menu
- Userview Permission
- Userview Theme

Datalist Builder

- Datalist Binder
- Datalist Action
- Datalist Column Formatter
- Datalist Filter Type

Process Builder

- Deadline
- Process Participant
- Process Tool
- Process Form Modifier
- Decision Tool

Form Builder

- Form Element
- Form Load Binder
- Form Store Binder
- Form Options Binder

Joget DX

- Form Validator
- Form Permission
- Process Form Modifier
- Post Form Submission Processing
- Generator

Addon Builder

App Platform

- Audit Trail
- Hash Variable
- Web Service

Platform

- Directory Manager
- Web Service



Where to map participants?

Design App: Purchase Requisition Version 1 Not Published	Design Process Process name:	Configure Mapping Update via Sa	aved XPDL Run Process		ALL participants must be mapped, except "System"
Forms & UI Processes Properties & Export	Appendix Append			-	
🗙 Addon Builders		Approved Request	Notify Rejected Request		
Performance	We construct the second s				
Logs	Show Additional Info				
	Applicant ID : applicant				Add/Edit Mapping
	Q Applicant ID : applicant Approver ID : approver				Add/Edit Mapping Add/Edit Mapping
	Q Applicant ID : applicant ID : approver ID : approver ID : system ID : system				Add/Edit Mapping Add/Edit Mapping Add/Edit Mapping
	Q Applicant ID : applicant Approver ID : approver ID : system ID : system ID : process Start White List ID : processStartWhiteList				Add/Edit Mapping Add/Edit Mapping Add/Edit Mapping Add/Edit Mapping



Participant Mapping

Let's assume that, applicant's HOD is responsible to approve any purchase requests made by the applicant.





Approver: Performer's HOD

JOGET DX ENTE	ERPRISE				
Design App:	MAP PARTICIPANTS TO	USERS - APPLICANT	(APPLICANT)		
Purchase Requisit	Map to User or Group	Map to Org Chart	Map to Workflow	Variable	Map to Plugin
Version 1 Not Publis	Map to the Performer	Map to a Head of Dep	partment (HOD)	Map to ar	n entire Department
Forms & UI		Performer			
Processes		Performer's HOD			
Properties & Expo		Performer's HOD (Ign	ore Report To)		
		Performer's Subordina	ates		
Stadon Builders		Performer's Department	ent		
Performance	Where the performer executed:	Previous Activity			~
	A 1 M				
	<u>prover</u> is <u>Pe</u>	erformer's	<u>HOD w</u>	here	the
pe	erformer ex	ecuted Pr	<u>revious</u>	<u>Activ</u>	ity



Process Participant Mapping

Map Participant	s to Users	Map Activities to Forms	Map Tools to Plugins	Map Routes to Plugins	Variable List	
This is the list of particl	pants defined in t	he Workflow design.				
Q Applicant ID : applicant Type Value	Performer Activity Defin Remove M	ition ID : <u>runProcess</u> apping				Add/Edit Mapping
Approver ID : approver Type Value	Performer's H Previous Acti Remove M	IOD vity apping				Add/Edit Mapping



Test Run the Process

 With the participant mapping set, run the process again as the user "cat", through the Purchase Requisition Portal.



Login As cat/password

• Open up App Center to access Purchase Requisition portal.





Who Is Cat Grant's HOD?



Note: This is the sample organization chart provided upon initial installation, for your testing convenience. The 3 users: *cat*, *clark*, and *admin*, is <u>free</u> by default.



Important Notes

- All participants MUST be mapped.
- Do NOT choose activity from the same swimlane as the participant that is being mapped unless it is intended so.
- Choose only activity that has been completed.
- If NO user is found, it will be defaulted to the last performer. (Possibly, the current logged in user who had just completed the prior activity OR the process requester)
- If mapped to an inactive user, do delegate, re-assign, or change mapping and re-evaluate the assignment.



Chapter 4 Review

We have learnt to:

- 1. Understand various Participant Mapping options available.
- 2. Understand the important rules in Participant Mapping.
- 3. Able to relate and manage participant mapping with the administrative process monitoring module.



Chapter 5

Process Monitoring



Monitoring Processes

- Allows you to monitor the status of processes, both running and completed.
- Allows you to view an **audit trail** of process actions.
- Captures process data to allow for the generation of reports.



Monitor Running Processes

• Click on Monitor from the Admin Bar to access.

JOGET DX ENTERPRISE	E							🛠 Home 🛛 Inbox 💄 Profile	: (admin) 🕒 Logout 🚯	
🔁 Monitor Apps	Filter by App	~								
Running Processes	Search	Process ID	~							
Completed Processes	PROCESS ID	START TIME	PROCESS NAME	REQUESTER	PROCESS VERSION	STATE	DUE DATE	SERVICE LEVEL MOI	RECORD ID	
📜 Tomcat Logs	1_purchaseRequest_p	22-01-2020 02:57 AM	Purchase Request Process	admin	1	open.running	-	122	f55f9416-09f8-42cf- b0ce-1a68bd2d7d23	
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Monitor Completed Processes

 Click on "Completed Processes" to see completed process instances.

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itor Apps	Filter by App		~						
nning Processes	Search	Process ID	\sim						
pleted Processes	PROCESS I	D START TIME	PROCESS NAME	REQUESTER	PROCESS VERSION	STATE	DUE DATE	SERVICE LEVEL MOI	RECORD ID
at Logs	1_purchase	Request_p 22-01-2020 02:57 AM	Purchase Request Process	admin	1	closed.completed	-	12	f55f9416-09f8-42cf b0ce-1a68bd2d7d2
em Logs									
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8	15 V K K	Page 1 of 1 > M	Displaying 1 to 1	of 1 items © Joget DX Enterprise - Jo	get Inc. All Rights Reserved. Vers License: Joget DX Enterprise 7	sion: 7.0-BETA3 - build 51t	5f1b		



View the Details of a Running Process Instance

- From the list of running processes, click into any instance.
- Details on the current state of the selected process instance will be shown.



View the Details of a Running Process Instance

	🙆 Monitor Apps	View Graph Abort	Instance Remove	e Instance Re-evalua	ate			
	 Running Processes Completed Processes Audit Trail Tomcat Logs System Logs Performance 	App Process name Process ID Record ID Process Definition ID Process Version State Service Level Monitor Requester	Purchase Requi Purchase Requi 172_purchaseR e0b8a0cf-c5fd-4 purchaseRequis 2 open.running - admin	sition v1 est Process equisition_purchaseRequ 1904-a479-4552feb0fd30 sition#2#purchaseReques	iestProcess stProcess			
Ac #_Pr	tivity Insta	nce ID fo anceId_A	rmat: ctivityle	d	Which a Which	activities activity	are com is active	pleted? now?
		Time Fron ACTIVITY I ACTIVITY ID 913_172_purchaseRea 912_172_purchaseRea	ACTIVITY NAME Approve / Reject Request Submit Request	STATE open.not_running.not closed.completed	CREATE TIME 10-12-2019 01:23 AM 10-12-2019 01:23 AM	SERVICE LEVEL MOI - -		



View the Details of a Running Process Instance

- These are actions that can be taken on a **process instance**.
 - View Graph
 - Displays the process diagram, where the current activities are highlighted in yellow.
 - Abort Instance
 - Terminates the process instance, leaving the process data intact
 - Remove Instance
 - Permanently delete the process instance, process data will be removed as well
 - Re-evaluate
 - In cases where participant mappings are changed before the process is completed, this action will allow pending assignments to be reassigned to the newly mapped participants.





View the Details of an Activity

Monitor Apps	Re-evaluate	Re-evalua	ate Assignment(s) For User Reassign Us	ser Complete				
 Running Processes Completed Processes Audit Trail Tomcat Logs System Logs Performance 	Process Instance Activity ID Activity Definition ID Activity Name State Service Level Monitor List of Pending		172_purchaseRequisition_purchaseRequestProcess 913_172_purchaseRequisition_purchaseRequestProcess_approveRejectRequest approveRejectRequest Approve / Reject Request open.not_running.not_started					
	Create time	ACTIVITY LIST	T					
	Date limit	ACTIVITY ID		ACTIVITY NAME	STATE	CREATE TIME	SERVICE LEVEL MOI	
Workflow	Due date	913_172_purch	aseRequisition_purchaseRequestProcess_approveRejectR	eque Approve / Reject Request	open.not_running.not_	10-12-2019 01:23	÷	
variable	Delay	912_172_purch	$aseRequisition_purchaseRequestProcess_submitRequest$	Submit Request	closed.completed	10-12-2019 01:23 AM	-	
value	Finish time rom Date	e Created						
0	status		Approved			S	et	



View the Details of a Running Activity Instance

- These are the actions that can be taken on an **activity instance**.
 - Re-evaluate
 - Re-evaluate the participant mapping for the current activity instance.
 - Re-evaluate assignment(s) for user
 - Re-evaluate all assignments of a particular user.
 - Reassign user
 - Reassign one of the assignee(s) of this activity instance to another user.
 - Complete
 - Complete the activity instance as the current logged in user.





Discussion

• What if a person who is assigned to an assignment has left the organization? What can we do?



Chapter 4 Review

We have learned to:

- 1. Monitor running and completed processes.
- 2. Drill down into activity details of each process that is running or completed.
- 3. Debug processes by examining workflow variable value.
- 4. Appreciate the "Re-evaluate" feature in process monitoring.



Module Review

- 1. Business Process Design (BPE)
- 2. Designing your first Process with Process Builder
- 3. Running your first Automated Process
- 4. Participant Mapping
- 5. Process Monitoring


Recommended Further Learning

- Designing Forms for the activities created in your Process Flow.
- Configure Process Tool plugin for the tool created in your Process Flow.



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