

Workflow Rules

The heart of the ePostRx™ system is the configurable workflow manager that allows clients to customize workflow rules and business logic to fit their dispensing model. The following is a list of all functions that are used when setting up the Workflow Rules. Each workflow rule is fully configurable with dynamic queues that can be customized by each client. The following screen shot is where the coded functions are associated with a workflow rule and a queue in the application:

<input type="button" value="SAVE"/> <input type="button" value="UNDO"/> <input type="button" value="DELETE"/> <input type="button" value="CANCEL"/> * Denotes required fields			
Main Menu>Entity>Workflows			
Active Entity Data			
Account: ADMINISTRATOR ACCOUNT,ADM...	Name: ePostRx System Administra...	PO Type: None	
Status: ACTIVE	Type: SYSTEM	Version/Release: SCRIPT(004:000)	
Edit Workflow Rule Setup			
Please use care when creating new workflow rules.			
*Workflow:	ORDER DISPENSE WORKFLOW(PROCESS ORDER DISPENSE)		
*Action:	CALL FUNCTION		
*Response:	ACTION FAILURE - ROUTE EVENT TO WORKFLOW QUEUE		
Attributes			
*Enabled:	YES	*Order Based Rule:	YES
*Name:	REQUEST FOR NEW RX		
*Description:	REQUEST FOR NEW RX		
Parameters:		(Provide 1 per line,name=value)	
Rule Action Attributes			
*Function:	Request For New Rx(JAVA CLASS FUNCTION)	[View]	
Rule Response Attributes			
*Exception Override:	YES		
*Queue/Location:	PATIENT REQUEST FOR NEW RX(Location:ePostRx System Administrator)	[View]	
<input type="button" value="SAVE"/> <input type="button" value="UNDO"/> <input type="button" value="DELETE"/> <input type="button" value="CANCEL"/> * Denotes required fields			

To create a new java function the developer must write java code around the following portion of code.
The following portion of code can be found in the file path: **com>generic>interfaces>iResourceFunction.java**

```
package com.generic.interfaces;

import com.generic.exceptions.ANSException;
import com.generic.objects.ResponseObject;

public interface iResourceFunction {

    public String getIdentifier() throws ANSException;

    public ResponseObject process(Object req) throws ANSException;
}
```

The following is an example of what a new java function should look like.

```
package resources.workflow.quote;

import b2b.objects.DBContextKeysObject;
import b2b.objects.RuleObject;
import com.generic.error.ErrorMessageText;
import com.generic.exceptions.ANSException;
import com.generic.interfaces.iResourceFunction;
import com.generic.objects.ResponseObject;
import com.generic.objects.RuleAttributesObject;
import lib.common.WorkflowResourceStep;
import resources.workflow.etc.WorkflowConnectorBase;

public class QuoteApprovedConnector extends WorkflowConnectorBase implements iResourceFunction {

    private static final String identifier = WorkflowResourceStep.QUOTE_APPROVED;

    public String getIdentifier() throws ANSException {
        return identifier;
    }

    public ResponseObject process(Object obj) throws ANSException {

        ResponseObject res = new ResponseObject();
        RuleAttributesObject rao = new RuleAttributesObject();
        RuleObject ro = null;

        try {
            if (obj instanceof RuleObject) {

                ro = (RuleObject) obj;
                res.setStatus(ResponseObject.SUCCESS);
                DBContextKeysObject dbo = ro.getDBContextKeysObject();
                // set order Attributes, if any
                //TODO
            }
        }
    }
}
```

```
    } else {  
        // instance of rule object  
        throw new Exception(ErrorMessageText.NOT_A_RULE_OBJECT);  
    }  
  
} catch (Exception e) {  
    checkRuntimeError(res, e, QuoteApprovedConnector.class);  
}  
  
// any errors  
checkForErrorMessages(res, ro);  
return res;  
}  
}
```

The following is a repository of existing functions in the ePostRx application broken out by category.

Category	Subcategory	Function Name	Type	Description	Package Name
autofulfillment	automed	ProcessAutoMedConnector	Java	This package contains all the controlling methods used to process an order to AUTOMED.	resources.workflow.autofulfillment.automed;
	baker	ProcessBakerConnector	Java	This package contains all the controlling methods used to process an order to BAKER.	resources.workflow.autofulfillment.baker;
	pharmassist	PharmAssistConnector	Java	This method returns the connector identifier.	resources.workflow.autofulfillment.pharmassist;
	prorata	ProcessProRataConnector	Java	This package contains all the controlling methods used to process an order to PRORATA.	resources.workflow.autofulfillment.prorata;
	scriptpro	ProcessScriptProConnector	Java	This package contains all the controlling methods used to process an order to SCRIPTPRO.	resources.workflow.autofulfillment.scriptpro;

Category	Function Name	Type	Description	Package Name
doctor	ValidateDoctorInfoConnector	Java	Default class that checks all the doctor trace.	resources.workflow.doctor;

Category	Function Name	Type	Description	Package Name
dur	OrderScreenAllDURConnector	Java	Wrapper class to perform DUR checks (DDA, DDC, DDI, DF, Dose, Dupe) for an order.	resources.workflow.dur;
	ScreenAllDURConnector	Java	Wrapper class to perform DUR checks (DDA, DDC, DDI, DF, Dose, Dupe) for a single Rx.	resources.workflow.dur;
	ScreenDDAConnector	Java	Default class that manages a Drug-Allergy dur processing.	resources.workflow.dur;
	ScreenDDCConnector	Java	Default class that manages a Drug-Condition dur processing.	resources.workflow.dur;
	ScreenDDIConnector	Java	Default class that manages a Drug-Drug interaction processing.	resources.workflow.dur;
	ScreenDFConnector	Java	Default class that manages a Drug-to food dur processing.	resources.workflow.dur;
	ScreenDoseConnector	Java	Default class that manages a Drug-Dose dur processing.	resources.workflow.dur;
	ScreenDupeConnector	Java	Default class that manages a Duplicate therapy dur processing.	resources.workflow.dur;

Category	Function Name	Type	Description	Package Name
ecs	CheckAquisitionCostConnector	Java	Default class that manages an ECS product acquisition processing.	resources.workflow.ecs;
	CheckBatchEcsErrorsConnector	Java	Default class that manages an ECS product acquisition processing.	resources.workflow.ecs;
	CheckCOBConnector	Java	Default class that manages an ECS Secondary, tertiary billing.	resources.workflow.ecs;
	CheckEcsDurErrorsConnector	Java	Default class that manages an ECS error processing.	resources.workflow.ecs;
	CheckEcsHostProcessingErrorConnector	Java	Default class that manages an ECS error processing.	resources.workflow.ecs;
	CheckEcsPaidConnector	Java	Default class that manages an ECS PAID processing. Ensure RX is PAID and Patient Copay is GT ingredient cost submitted.	resources.workflow.ecs;
	CheckEcsPatientNotCoveredConnector	Java	Default class that manages an ECS error processing.	resources.workflow.ecs;
	CheckEcsRefillTooSoonConnector	Java	Default class that manages a refill too soon error processing.	resources.workflow.ecs;
	CheckEcsResponseErrorsConnector	Java	Default class that manages an ECS error processing.	resources.workflow.ecs;
	CheckOtherEcsErrorConnector	Java	Default class that manages an general ECS error processing.	resources.workflow.ecs;
	CheckProductMarginConnector	Java	Default class that manages an ECS product margin processing.	resources.workflow.ecs;
	ERxBatchNetworkConnector	Java	Default class that manages an ERX Batch Network ECS claims.	resources.workflow.ecs;
	ERxNetworkConnector	Java	Default class that manages an NDCHealth Network ECS claims.	resources.workflow.ecs;
	NDCHealthBatchNetworkConnector	Java	Default class that manages an NDCHealth Network ECS claims.	resources.workflow.ecs;
	NDCHealthNetworkConnector	Java	Default class that manages an NDCHealth Network ECS claims.	resources.workflow.ecs;
WebMDBatchNetworkConnector	Java	Default class that manages an WEB MD ECS Bill.	resources.workflow.ecs;	
WebMDITSNetworkConnector	Java	Default class that manages an WEB MD ECS Bill.	resources.workflow.ecs;	

Category	Function Name	Type	Description	Package Name
etc	WorkflowConnectorBase	Java	This support class is the base for the workflow connectors.	resources.workflow.etc;

Category	Function Name	Type	Description	Package Name
family	FamilyBalanceCheck	Java	Default class that checks family balance check.	resources.workflow.family;
	FamilyCheck	Java	Default class that checks family level checks by order.	resources.workflow.family;

Category	Function Name	Type	Description	Package Name
gl	AdjustInvoiceToGeneralLedgerConnector	Java	Default class that manages general ledger adjustments.	resources.workflow.gl;
	PostInvoiceToGeneralLedgerConnector	Java	Default class that manages general ledger.	resources.workflow.gl;

Category	Function Name	Type	Description	Package Name
inventory	AllocateInventoryConnector	Java	Default class that manages inventory allocation.	resources.workflow.inventory;
	CancelInventoryConnector	Java	Default class that restore cancelled inventory.	resources.workflow.inventory;
	DispenseInventoryConnector	Java	Default class that updates the dispensed inventory.	resources.workflow.inventory;
	ValidateAllocateInventoryConnector	Java	Default class that validates inventory information.	resources.workflow.inventory;
	ValidateHardLinkConnector	Java	Default class that validates inventory information.	resources.workflow.inventory;

Category	Function Name	Type	Description	Package Name
order	AutoPrintPickTicketConnector	Java	Default class prints the pick ticket.	resources.workflow.order;
	CachePrintedOrderOutputsConnector	Java	Default class prints the pick ticket.	resources.workflow.order;
	CheckOrderCancelConnector	Java	Default class that manages cancel order.	resources.workflow.order;
	CheckOrderContractPricing	Java	Default class prints the pick ticket.	resources.workflow.order;
	CheckOrderOriginationConnector	Java	Default class that checks for an order origination.	resources.workflow.order;
	CheckOrderPostEditConnector	Java	Default class that manages a order that is edited when in the pharmacy.	resources.workflow.order;
	LockOrderConnector	Java	Default class locks order for pharmacy processing.	resources.workflow.order;
	OrderIntakeItemDataEntryConnector	Java	Default class that manages OrderIntakeItemDataEntryConnector.	resources.workflow.order;
	OrderPaymentCardCheckerConnector	Java	Default class that checks the order to ensure it has been billed after shipping.	resources.workflow.order;
	PendingOrderShipmentConnector	Java	Default class that manages the manual order packed.	resources.workflow.order;
	ProcessLikeAddressOrderCheck	Java	Default class that manages a marriage of an order to a tote.	resources.workflow.order;
	ProcessManualOrderFillConnector	Java	Default class that manages a manual fill order.	resources.workflow.order;
	ProcessManualOrderPickConnector	Java	Default class that manages a manual fill pick.	resources.workflow.order;
	ProcessManualOrderPostcheckConector	Java	Default class that manages the manual order postcheck.	resources.workflow.order;
	ProcessManualOrderShippingConnector	Java	Default class that manages manual order shipping.	resources.workflow.order;
	ProcessManualOtcOrderConnector	Java	Default class that manages a manual fill pick.	resources.workflow.order;
	ProcessManualPackConnector	Java	Default class that manages the manual order packed.	resources.workflow.order;
	ProcessOrderInductToteConnector	Java	Default class that manages a marriage of a order to a tote.	resources.workflow.order;
	ProcessOrderPrecheckConnector	Java	Default class that manages the manual order postcheck.	resources.workflow.order;
	ProcessOrderPrecheckCopayBalanceConnector	Java	Default class that manages the manual order postcheck.	resources.workflow.order;
	ProcessOrderRxPrecheckConnector	Java	Default class that manages the manual order new rx precheck.	resources.workflow.order;
	ProcessOrderSanityCheck2Connector	Java	Default class that manages the manual order postcheck.	resources.workflow.order;
	ProcessOrderSanityCheckConnector	Java	Default class that manages the manual order postcheck.	resources.workflow.order;
	ProcessOtcOrderPostcheckConnector	Java	Default class that manages a manual fill pick.	resources.workflow.order;
	SetOrderWorkflowCompleteConnector	Java	Default class that manages a order workflow complete.	resources.workflow.order;
	SupplierOrderConnector	Java	Default class prints the pick ticket.	resources.workflow.order;
	ValidateOrderConnector	Java	Default class checks an order.	resources.workflow.order;
	ValidateOrderLineConnector	Java	Default class checks an order line.	resources.workflow.order;

Category	Function Name	Type	Description	Package Name
patient	ValidatePatientInfoConnector	Java	Default class that checks patient checks by order lines.	resources.workflow.patient;
	ValidateOrderPatientInfoConnector	Java	Default class that checks patient level checks by order.	resources.workflow.patient;
	ValidateOrderPatientARConnector	Java	Default class that checks patient level AR checks by order.	resources.workflow.patient;

Category	Function Name	Type	Description	Package Name
paymentcard	CheckPatientPriorAuthConnector	Java	Soft stop to call the user to ask about cc payment to be applied.	resources.workflow.paymentcard;
	CybersourceConnector	Java	Default class that manages a Cybersource transaction.	resources.workflow.paymentcard;
	PaymentTechConnector	Java	Default class that manages a PaymentTech transaction.	resources.workflow.paymentcard;

Category	Function Name	Type	Description	Package Name
quote	SetQuoteWorkflowCompleteConnector	Java	Default class that manages quotes.	resources.workflow.quote;
	ReviewQuoteConnector	Java	Default class that manages quotes.	resources.workflow.quote;
	QuoteApprovedConnector	Java	Default class that manages quotes.	resources.workflow.quote;
	DoctorQuoteRxFaxConnector	Java	Default class that manages quotes.	resources.workflow.quote;

Category	Subcategory	Type	Type	Package Name
rx	suborder	ProcessSubOrderPostcheckConnector	Java	Default class that manages the manual order postcheck. resources.workflow.rx.suborder;
		CachePrintedRetailOutputsConnector	Java	Default class prints the pick ticket. resources.workflow.rx;
		CheckCancelRetailRxConnector	Java	Default class checks for cancel of retail rx. resources.workflow.rx;
		CheckMetricQuantityConnector	Java	Default class checks if an rx has been requested for Post Edit after ECS and CC. resources.workflow.rx;
		CheckRxOriginationConnector	Java	Default class that checks for an rx origination. resources.workflow.rx;
		CheckRxPostEditConnector	Java	Default class checks if an rx has been requested for Post Edit after ECS and CC. resources.workflow.rx;
		DoctorCallCheckConnector	Java	Default class that checks the doctor fax rules but DOES NOT fax to doctor. Rather put's in queue. resources.workflow.rx;
		DoctorFaxCheckConnector	Java	Default class that checks the doctor fax rules. resources.workflow.rx;
		ForceCashRxRePriceConnector	Java	Default class that checks the rx fields. resources.workflow.rx;
		IntakeItemDataEntryConnector	Java	Default class that manages IntakeItemDataEntryConnector. resources.workflow.rx;
		LanguageTranslationConnector	Java	Default class that checks uses google xlate service to convert sigs. resources.workflow.rx;
		PendingRetailShipmentConnector	Java	Default class that manages the manual retail pending shipment. resources.workflow.rx;
		ProcessRxDispenseConnector	Java	Default class that manages an Rx dispensement. resources.workflow.rx;
		QuickRxFillConnector	Java	Default class checks if an rx has been requested for Post Edit after ECS and CC. resources.workflow.rx;
		RequestForNewRxConnector	Java	Default class that manages a Request for new rx. resources.workflow.rx;
		SetRetailRxWorkflowCompleteConnector	Java	Default class sets the retail rx status to workflow complete. resources.workflow.rx;
		ValidateAllRxInfoConnector	Java	Default class that checks the rx fields. resources.workflow.rx;
		ValidateLanguageTranslationConnector	Java	Default class that checks the rx fields. resources.workflow.rx;
		ValidateRxFieldsConnector	Java	Default class that checks the rx fields. resources.workflow.rx;
		ValidateRxPlanConnector	Java	Default class that checks the RxPlan. resources.workflow.rx;
		ValidateRxPostcheckConnector	Java	Default class that manages an Rx postcheck. resources.workflow.rx;
		ValidateRxPrecheckConnector	Java	Default class that manages an Rx precheck. resources.workflow.rx;
		ValidateRxSanityCheck2Connector	Java	Default class that checks the rx fields. resources.workflow.rx;
		ValidateRxSanityCheckConnector	Java	Default class that checks the rx fields. resources.workflow.rx;

Category	Function Name	Type	Description	Package Name
shipping	HippaShippingCheck	Java	Default class that manages shipping.	resources.workflow.shipping;
	ProcessShippingConnector	Java	Default class that manages shipping.	resources.workflow.shipping;

Category	Function Name	Type	Description	Package Name
system	PingPongDetectorConnector	Java	Default class checks for ping-ponging workflow jobs.	resources.workflow.system;