

# Start a Process from External Page

This article is a quick how-to sample exercise for beginners trying to **Integrate Joget with external application**.

In this exercise, we will show you on how to start a process in Joget from an external page. We will also show you on **how to set a Workflow Variable value along the way which will be used to define one of the participants of the workflow process**.

## Preparing the Joget App

We are going to create a simple Workflow Process as follow.

The screenshot displays the Joget Workflow Enterprise interface. The top navigation bar includes tabs for Home, Setup Users, Design Apps, Run Apps, and Monitor Apps. The left sidebar lists various app components like Processes, Forms, Lists, Userview, and Properties & Export. The main area shows the 'Simple Approval' process design with two lanes: 'Applicant' and 'Approver'. The 'Applicant' lane contains an 'Apply' activity, and the 'Approver' lane contains an 'Accept' activity. Below the design, the 'Process Definition ID' is highlighted as 'simpleApproval#1#sample'. The 'Link To Run Process' is provided as 'http://localhost:8080/jw/web/client/app/simpleApproval/1/process/sample?start=true'. A table lists participants defined in the workflow design, with the 'Applicant' participant highlighted. The table shows the 'Applicant' participant with a 'Workflow Variable' of 'requester' and a 'Username' field. A 'Remove Mapping' button is also present.

Type	Workflow Variable
Value	Variable ID : requester
	Username

Remove Mapping

Figure 1: Creating a Workflow App

Take note of the **Process Definition ID** and make sure that you have mapped a **Workflow Variable** to one of the **participants**. If you want to, you may download the app by clicking the link below.

[APP\\_simpleApproval-1-20140211152817.zip](#)

## Preparing the External page

Now that we have handled what is required at Joget's side, we are going to create the external page now.

The easiest place to host your external page would be creating another context folder in the web server where your Joget resides in. If you are using Tomcat, navigate to **/webapps** and create a folder called **"poc"** for example.

Create **Index.html** and copy the following code into it.

```

<html>
  <head>
    <script type="text/javascript" src="http://localhost:8080/jw/js/jquery/jquery-1.5.2.min.js"><
  /script>

    <script type="text/javascript" src="http://localhost:8080/jw/js/json/util.js" ></script>
    <script type="text/javascript" >

      $(document).ready(function(){
        var loginCallback = {
          success : function(response){
            if(response.username != "roleAnonymous"){
              alert("login successfully");
            }else{
              alert("login fail");
            }
          }
        };
        //login
        AssignmentManager.login('http://localhost:8080/jw', 'admin', 'admin', loginCallback);

        $("input[name='startProcessButton']").click( function(){
          //retrieving the values
          var processDefinition = $("input[name='processDefinition']").val()
          var requester = $("input[name='requester']").val()

          //call back for "start a process"
          var callback = {
            success : function(response){
              //print returned result
              $("#responseDiv").html(response.toSource());
            }
          }

          //start a process
          ConnectionManager.ajaxJsonp('http://localhost:8080/jw/web/json/workflow/process
/start/' + processDefinition, callback, "var_requester=" + requester);

        });
      });
    </script>

  </head>
  <body>
    <fieldset id="startProcess">
      <legend>Start Process:</legend>

      <label for="name">Process Definition:</label>
      <input type="textfield" name="processDefinition" value="simpleApproval:1:sample"/>
      <br>
      <label for="name">Requester Username:</label>
      <input type="textfield" name="requester"/>

      <input name="startProcessButton" type="submit" value="Trigger"/>

      <div id="responseDiv"/>
    </fieldset>
  </body>
</html>

```

Your final path should be something like `Voget-v3-Enterprise\apache-tomcat-6.0.18\webapps\poc\index.html`.

You will need to study the code above where occasional remarks are placed to help you to understand.

## Execution and Testing

From your browser, find your way to the index.html page.

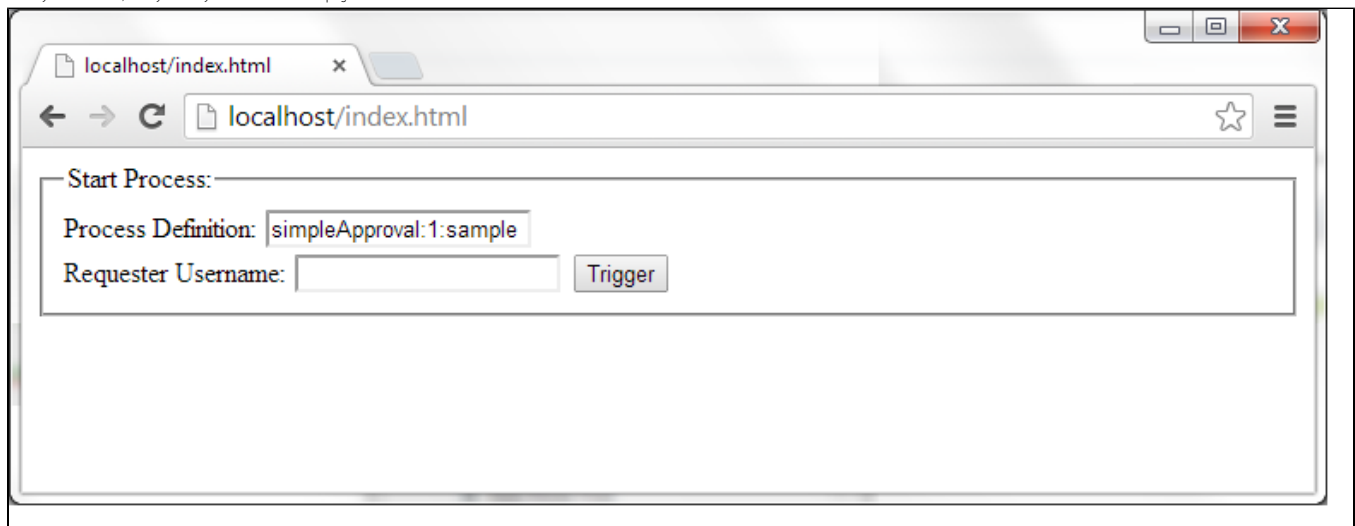


Figure 2: External Page

The process definition ID has already been filled up in the coding earlier. Remember replacing hash (#) with a colon (:) in the id. Key in a Username and hit **Trigger**.

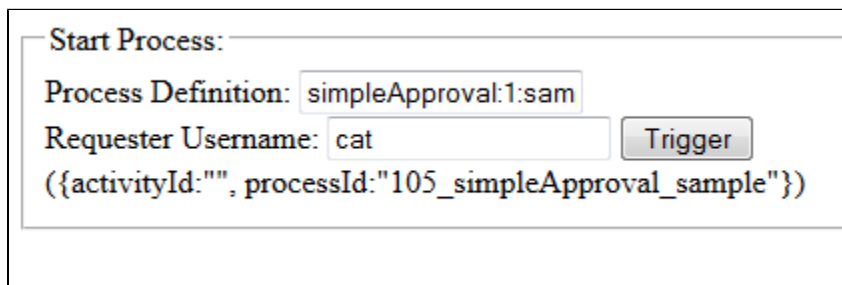


Figure 3: Starting a Process Instance

Result will be printed on the page itself after hitting the button. You should be able to find the corresponding process instance in Joget's web console as well.

The screenshot shows the 'Monitor Apps' page in Joget Workflow Enterprise. The left sidebar contains links for 'Running Processes', 'Completed Processes', 'Audit Trail', and 'Tomcat Logs'. The main content area displays details for a specific process instance. At the top, there are navigation tabs: 'Home', '1 Setup Users', '2 Design Apps', '3 Run Apps', and '4 Monitor Apps'. Below the tabs are buttons: 'View Graph', 'Abort Instance', 'Remove Instance', and 'Re-evaluate'.

The process instance details are as follows:

- Process ID:** 105\_simpleApproval\_sample
- Process Definition ID:** simpleApproval#1#sample
- Process Version:** 1
- Process name:** [Sample](#)
- State:** open.running
- Service Level Monitor:** -
- Requester:** admin
- Start Time:** Tue Feb 11 15:14:04 SGT 2014
- Limit:**
- Due Date:**
- Delay:**
- Finish Time:**
- Time From Date Started:**

Below the details is an 'Activity List' table:

Activity ID	Activity Name	State	Service Level Monitor
270_105_simpleApproval_s	Apply	open.not_running.not_start	-

Figure 4: Inspecting Process Instance in Monitor Apps

Drill down into the activity instance and you should be able to find the instance assigned to the rightful person.

The screenshot shows the 'Monitor Apps' page in Joget Workflow Enterprise, specifically the 'Activity List' section. The left sidebar is the same as in Figure 4. The main content area displays details for a specific activity instance. At the top, there are navigation tabs: 'Home', '1 Setup Users', '2 Design Apps', '3 Run Apps', and '4 Monitor Apps'. Below the tabs are buttons: 'Re-evaluate', 'Re-evaluate Assignment(s) For User', 'Reassign User', and 'Complete'.

The activity instance details are as follows:

- Activity ID:** 270\_105\_simpleApproval\_sample\_apply
- Activity Definition ID:** apply
- Activity Name:** Apply
- Process Instance:** [105\\_simpleApproval\\_sample](#)
- State:** open.not\_running.not\_started
- Service Level Monitor:** -
- List of Pending:** cat
- Priority:** 3
- Create time:** Tue Feb 11 15:14:04 SGT 2014
- Date limit:**
- Due date:**
- Delay:**
- Finish time:**
- Time From Date Created:**

Below the details is a 'Variable List' section:

Variable Name	Value
requester	cat

Figure 5: Inspecting Activity Instance in Monitor Apps

## References

- [Single Sign On \(SSO\)](#)
- [JavaScript API](#)

- [Sample JSON API Integration](#)