

# PAPI-WS Extension for Fuego 5.5

This document is intended to reflect the new methods included in PAPIWS for Fuego 5.5 since Fuego 5.1.

## ***New Methods***

The following is the list of new methods with their signature incorporated into PAPIWS for Fuego 5.5

- `public KeyValuePair[][] getArgumentSet(final String sessionId, final String processId)`
- `public KeyValuePair[][] getArgumentSet(final String sessionId, final String processId, final String activity)`
- `public KeyValuePair[] runActivityWithArguments(final String sessionId, final String instanceId, final String activityName, final KeyValuePair[] arguments)`
- `public KeyValuePair[] prepareExternalActivity(final String sessionId, final String instanceId, final String activityName, final KeyValuePair[] arguments)`
- `public InstanceInfo commitExternalActivity(String sessionId, String instanceId, String activityName, KeyValuePair[] arguments)`

## ***Description of new methods***

**`public KeyValuePair[][] getArgumentSet(final String sessionId, final String processId)`**

***Description:*** This method returns all ArgumentSet in the process Begin activity of the selected process provided as argument.

***Argument Description:***

sessionId: This argument identifies the session id previously opened by the client program using PAPIWS.

processId: This argument specifies the process from where to retrieve the ArgumentSet in the Begin process activity.

***Returns:*** An array of ArgumentSet objects. An ArgumentSet object is defined as a KeyValuePair array.

**`public KeyValuePair[][] getArgumentSet(final String sessionId, final String processId, final String activity)`**

***Description:*** This method returns all ArgumentSet of the selected process and activity provided as arguments.

***Argument Description:***

sessionId: This argument identifies the session id previously opened by the client program using PAPIWS.

processId: This argument specifies the process from where to retrieve the ArgumentSet objects.

activity: This argument specifies the activity in the process (specified in the processId argument) from where to retrieve the ArgumentSet objects. (for example Wait activities (apart from Begin activities) can have ArgumentSet objects).

***Returns:*** An array of ArgumentSet objects. An ArgumentSet object is defined as a KeyValuePair array.

**public KeyValuePair[] runActivityWithArguments(final String sessionId, final String instanceId, final String activityName, final KeyValuePair[] arguments)**

**Description:** This method executes a task for an activity with the ability to provide input and receive output parameters. This method extends the existing functionality of the PAPIWS runActivity method that cannot receive arguments. This method is to be used when the implementation of the Interactive Task is defined as “method”.

**Argument Description:**

sessionId: This argument identifies the session id previously opened by the client program using PAPIWS.

instanceId: This argument identifies the instance for which the task needs to be executed.

activityName: This argument specifies the activity in which the instance referenced in the “instanceId” argument is located.

arguments: This argument specifies the input parameters to the task implementation for which the execution is requested.

**Returns:** A list of KeyValuePair with the output parameters.

**public KeyValuePair[] prepareExternalActivity(final String sessionId, final String instanceId, final String activityName, final KeyValuePair[] arguments)**

**Description:** This method executes a task for an activity with the ability to provide input and receive output parameters. This method is to be used when the implementation of the Interactive Task is defined as “external”. This method should be invoked before the “commitExternalActivity” method.

**Argument Description:**

sessionId: This argument identifies the session id previously opened by the client program using PAPIWS.

instanceId: This argument identifies the instance for which the task needs to be executed.

activityName: This argument specifies the activity in which the instance referenced in the “instanceId” argument is located.

arguments: This argument specifies the input parameters to the task implementation for which the execution is requested.

**Returns:** A list of KeyValuePair with the output parameters.

**public InstanceInfo commitExternalActivity(String sessionId, String instanceId, String activityName, KeyValuePair[] arguments)**

**Description:** This method executes a task for an activity with the ability to provide input and receive output parameters. This method is to be used when the implementation of the Interactive Task is defined as “external”. This method should be called once the “prepareExternalActivity” method was successfully invoked.

**Argument Description:**

sessionId: This argument identifies the session id previously opened by the client program using PAPIWS.

instanceId: This argument identifies the instance for which the task needs to be executed.

activityName: This argument specifies the activity in which the instance referenced in the “instanceId” argument is located.

arguments: This argument specifies the input parameters to the task implementation for which the execution is requested.

**Returns:** A list of KeyValuePair with the output parameters.