# Workflow requests

All requests should be securable with existing web technology (Apache?). Requests for a specific workflow will contain the workflow identifier in the URL so that access can be controlled. The URL also contains the high-level operation so that a user may be permitted to start a workflow but not to cancel one.

Activities are protected by their IP address since these will be static installations that will rarely be changed.

## Start Workflow request

Source: Workflow starter

Target: Workflow engine

Method: POST

URL: <http://server:port/executions>

## Cancel Execution request

Source: Workflow starter?

Target: Workflow engine

Method: DELETE

URL: <http://server:port/executions/:executionId>

## Signal Workflow request

Source: Workflow starter?

Target: Workflow engine

Method: POST

URL: <http://server:port/executions/:executionId>/signals

## Poll for Activity request

Source: Activity

Target: Workflow engine

Method: POST

URL: [http://server:port/tasklist/<name](http://server:port/tasklist/%3cname)>/tasks/first

Valid responses:

HTTP Status = 200 with valid ActivityTask JSON in content

HTTP Status = 204 with no content (content will be ignored in any case)

Any other HTTP status is an error.

## Post Activity response / heartbeat

Source: Activity

Target: Workflow engine

Method: PUT

URL: <http://server:port/tasks/:token>

# Other requests

PUT, GET and POST can also be used to access Workflow and Activity definitions as:

<http://server:port/workflows/:workflowName/versions/:workflowVersion>

<http://server:port/workflows/:workflowName>

<http://server:port/activities/:activityName/versions/:activityVersion>

<http://server:port/activities/:activityName>