

# n8n-connector-keystone

Used to remotely execute specified tasks on ADMFIN01 in support of Keystone.

## Overview

This script works by running an https webserver that listens for requests from n8n. The endpoint is secured via TOTP - a secret is shared between the script and n8n and time-based tokens are sent/validated with each request.

## Webserver Endpoint

The webserver listens at the endpoint defined by the following schema:

```
{
  method: 'POST',
  url: '/',
  schema: {
    querystring: {
      task_type: { type: 'string' },
      task: { type: 'string' }
    },
    response: {
      200: {
        type: 'object',
        properties: {
          task_status: { type: 'string' }
        }
      }
    }
  }
}
```

where `task_type` must be one of 'hhjs', 'fusion', or 'write-file' and `task` is a valid entry in the specified task file.

`task_status` will be either success or fail for error handling in n8n.

## Task Files

Task files are located in `./tasks` and are used to define which types of tasks the server can perform.

Task files must be valid json, and options for each are outline below

### HHJS Tasks JSON format

"args" not yet supported for setting input parameters

```
{
  "YOUR TASK NAME": {
    "command": "script.bat",
    "args": null
  }
}
```

```
}
```

## Fusion Tasks JSON format

Setting false or removing the program will prevent the script from being able to execute it.

```
{  
  "FUSION_PROGRAM_NAME": true  
}
```

## Write File Tasks JSON format

Define a task to write a binary stream to file at a specified location.

```
{  
  "WRITE_FILE_TASK_NAME": {  
    destination: "C:\\path\\to\\desination\\filename.ext"  
  }  
  "OTHER_WRITE_FILE_TASK_NAME": {  
    destination: "C:/path/to/other/desination/filename.ext"  
  }  
}
```