

## Http-Request

### Install the plugin

[HTTP Request Plugin](#) 1.18

This plugin sends a http request to an url with some parameters

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**This plugin is up for adoption!** We are looking for new maintainers. Visit our [Adopt a Plugin](#) initiative for more information.



In a Pipeline job, you have total control over how the url is formed. Suppose you have a build parameter called “param1”, you can pass it to the HTTP request programmatically like so:

```
httpRequest "http://httpbin.org/response-headers?param1=${param1}"
```

If you wish to save the response to a file, you need to grab a workspace. You can do this with a node Pipeline step. For example:

```
def response = httpRequest "http://httpbin.org/response-headers?param1=${param1}"
node() {
    writeFile file: 'response.txt', text: response.content
}
```

You can access the response status code, content and headers programmatically:

```
def response = httpRequest "http://httpbin.org/response-headers?param1=${param1}"
println("Status: ${response.status}")
println("Response: ${response.content}")
println("Headers: ${response.headers}")
```

```
pipeline {
    agent any

    parameters {
        string(name: 'param1', defaultValue: 'example-value', description: 'Parameter 1')
    }

    stages {
```

```

stage('HTTP Request') {
    steps {
        script {
            def response = httpRequest "http://httpbin.org/response-headers?param1=${param1}"

            writeFile file: 'response.txt', text: response.content

            println("Status: ${response.status}")
            println("Response: ${response.content}")
            println("Headers: ${response.headers}")
        }
    }
}
}
}
}
}

```

## Plugins

Install	Name ↓	Released
<input checked="" type="checkbox"/>	<a href="#">Pipeline Utility Steps</a> 2.16.0 <span>pipeline</span> <span>Build Tools</span> <span>Miscellaneous</span> Utility steps for pipeline jobs.	11 days ago

Install without restart

Download now and install after restart

Update information obtained: 6 hr 29 min ago

Check now

```

pipeline {
    agent any

    stages {
        stage('Get Organizations') {
            steps {
                script {
                    def username = "amitopenwriteup"

                    // Send GET request to retrieve organizations
                    def response = httpRequest(
                        url: "https://api.github.com/users/${username}/orgs"
                    )

                    // Process the response
                    if (response.status == 200) {
                        def orgs = readJSON(text: response.content)
                        for (org in orgs) {
                            println("Organization Name: ${org.login}")
                        }
                    } else {
                        println("Failed to retrieve organizations. Status: ${response.status}")
                    }
                }
            }
        }
    }
}

```