

# USING **gate** FROM A BROWSER

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Each entry on this page includes a code block showing an example URL. This may be copied into an editor of choice (such as notepad++) and changed as needed.

The modified result can be pasted into a standard browser in order to answer the result of running the (modified) URL.

**NOTE:** A prefix of @ in this document means that the identifier refers to a query-string parameter in the URL of an endpoint. For example, "@prName" refers to the left-hand side of a query string pair like "prName=anndeletePR", where the right-hand side is the value of the query-string parameter.

Each query-string of each endpoint is sequence of query-string pairs separated by an ampersand ("&") character.

The value of each query-string pair must be URL-encoded. One convenient tool for obtaining a URL-encoded string is ([URLEncoder](#)).

- Setup
  - Load ANNIE Plugin
    - [Load ANNIE Plugin](#)
    - URL:

```
https://hoyo.zeetix.com:5101/gate/v0/plugin/mavenPlugin?group=uk.ac.gate.plugins&artifact=annie&version=9.1
```

- Operations
  - GateCorpus
    - withName

Answers the instance of **GateCorpus** with @corpusName, creating it only if needed.

This example uses a corpusName of "testCorpus1".

Answers a 400 "Bad Request" if a corpusName is not provided

- [withName](#)
- URL:

```
https://hoyo.zeetix.com:5101/gate/v0/corpus/withName?corpusName=testCorpus1
```

- names

Answers a list containing the names of the currently loaded instances of [GateCorpus](#)

- [names](#)
- URL:

```
https://hoyo.zeetix.com:5101/gate/v0/corpus/names
```

- named

Answers the currently-loaded instance of [GateCorpus](#) with @corpusName.

Answers a 400 "Bad Request" if a corpusName is not provided

Answers a [404](#) "Not Found" if the given corpusName is not currently loaded.

This example uses the corpusName "testCorpus1".

- [named](#)
- URL:

```
https://hoyo.zeetix.com:5101/gate/v0/corpus/named?  
corpusName=testCorpus1
```

- addDocument

Adds a loaded instance of [GateDocument](#) with @documentName into the loaded instance of [GateCorpus](#) with @corpusName.

The documentName is the URL or path used to create the instance of [GateDocument](#).

**NOTE:** The value of documentName must be URL-encoded. The tool used to create these examples is [URLEncoder](#).

Answers a 400 "Bad Request" if either a corpusName or a documentName is not provided.

Answers a [404](#) "Not Found" if either the given corpusName or the given documentName is not currently loaded.

This example uses the following corpusName and documentName:

corpusName: "testCorpus1"

documentName:

"%2Fhome%2Ftms%2Fbackend%2Ftests%2Ftest\_classes%2FBackendServices%2FGateService%2FinputData%2FgatePipelineTest\_sample.html"

- [addDocument](#)

- URL:

```
https://hoyo.zeetix.com:5101/gate/v0/corpus/addDocument?
corpusName=testCorpus1&documentName=%2Fhome%2Ftms%2Fback
end%2Ftests%2Ftest_classes%2FBackendServices%2FGateServi
ce%2FinputData%2FgatePipelineTest_sample.html
```

- cleanup

Removes any references to @corpusName from both **gate** and **gated**.

**NOTE:** This endpoint is NOT idempotent -- it is an error to call this endpoint more than once with the same corpusName without an intervening call to the **withName** endpoint.

Answers a 400 "Bad Request" if a corpusName is not provided

Answers a 404 "Not Found" if the given corpusName is not currently loaded.

- **cleanup**

- URL:

```
https://hoyo.zeetix.com:5101/gate/v0/corpus/cleanup?
corpusName=testCorpus1
```

- GateDocument

- withURL

Answers an instance of **GateDocument** with @url, creating it only if needed.

The provided url is used as the **documentName** in future endpoint calls that reference the result.

This example uses a url of "https%3A%2F%2Fgate.ac.uk". This the URL-encoded form of "https://gate.ac.uk"

Answers a 400 "Bad Request" if a url is not provided

- **withURL**

- URL:

```
https://hoyo.zeetix.com:5101/gate/v0/document/withURL?
url=https%3A%2F%2Fgate.ac.uk
```

- withPath

Answers an instance of **GateDocument** with @path, creating it only if needed.

The provided path is used as the `documentName` in future endpoint calls that reference the result.

This example uses a path of

`"%2Fhome%2Ftms%2Fbackend%2Ftests%2Ftest_classes%2FBackendServices%2FGateService%2FinputData%2FgatePipelineTest_sample.html"`. This is the URL-encoded form of `"/home/tms/backend/gate/test_classes/GateClasses/GateObject/GateComponent/inputData/gateDocumentTest_sample.html"`

- [withPath](#)
- URL:

```
https://hoyo.zeetix.com:5101/gate/v0/document/withPath?
path=%2Fhome%2Ftms%2Fbackend%2Ftests%2Ftest_classes%2FBack
endServices%2FGateService%2FinputData%2FgatePipelineTe
st_sample.html
```

- [names](#)

Answers a list containing the name of each currently loaded instance of `GateDocument`

- [names](#)
- URL:

```
https://hoyo.zeetix.com:5101/gate/v0/document/names
```

- [named](#)

Answers the currently-loaded instance of `GateDocument` with `@documentName`.

Answers a 400 "Bad Request" if a `documentName` is not provided

Answers a 404 "Not Found" if the given `documentName` is not currently loaded.

This example uses the `documentName`

`"%2Fhome%2Ftms%2Fbackend%2Ftests%2Ftest_classes%2FBackendServices%2FGateService%2FinputData%2FgatePipelineTest_sample.html"`.

- [named](#)
- URL:

```
https://hoyo.zeetix.com:5101/gate/v0/document/named?
documentName=%2Fhome%2Ftms%2Fbackend%2Ftests%2Ftest_clas
ses%2FBackendServices%2FGateService%2FinputData%2FgatePi
pelineTest_sample.html
```

- content

Answers the full (text) content of the currently-loaded instance of `GateDocument` with `@documentName`.

Answers a 400 "Bad Request" if a `documentName` is not provided

Answers a 404 "Not Found" if the given `documentName` is not currently loaded.

This example uses the `documentName`

`"%2Fhome%2Ftms%2Fbackend%2Ftests%2Ftest_classes%2FBackendServices%2FGateService%2FinputData%2FgatePipelineTest_sample.html"`.

- `content`
- URL:

```
https://hoyo.zeetix.com:5101/gate/v0/document/content?
documentName=%2Fhome%2Ftms%2Fbackend%2Ftests%2Ftest_classes%2FBackendServices%2FGateService%2FinputData%2FgatePipelineTest_sample.html
```

- `annotationSetNames`

Answers the `annotationSetNames` of the currently-loaded instance of `GateDocument` with `@documentName`.

Answers a 400 "Bad Request" if a `documentName` is not provided

Answers a 404 "Not Found" if the given `documentName` is not currently loaded.

This example uses the `documentName`

`"%2Fhome%2Ftms%2Fbackend%2Ftests%2Ftest_classes%2FBackendServices%2FGateService%2FinputData%2FgatePipelineTest_sample.html"`.

- `annotationSetNames`
- URL:

```
https://hoyo.zeetix.com:5101/gate/v0/document/annotationSetNames?
documentName=%2Fhome%2Ftms%2Fbackend%2Ftests%2Ftest_classes%2FBackendServices%2FGateService%2FinputData%2FgatePipelineTest_sample.html
```

- `annotations (default)`

Answers an instance of `AnnotationSet` containing the default annotations of the currently-loaded instance of `GateDocument` with `@documentName`.

An instance of `AnnotationSet` has a possibly empty list of unique instances of `Annotation`.

Each instance of `Annotation` has a `type` (such as "Token" or "SpaceToken"), a `startNode` and `endNode` (each an instance of `Node` with a unique ID and offset within the document content), and a `features` object.

Each `features` object has a "kind" whose value describes the annotation (such as "control" or "word"), a "string" that contains the document fragment that the annotation pertains to and a length of that fragment.

Answers a 400 "Bad Request" if a `documentName` is not provided

Answers a 404 "Not Found" if the given `documentName` is not currently loaded.

This example uses the `documentName`

`"%2Fhome%2Ftms%2Fbackend%2Ftests%2Ftest_classes%2FBackendServices%2FGateService%2FinputData%2FgatePipelineTest_sample.html"`.

- [annotations](#)
- URL:

```
https://hoyo.zeetix.com:5101/gate/v0/document/annotations?
documentName=%2Fhome%2Ftms%2Fbackend%2Ftests%2Ftest_classes%2FBackendServices%2FGateService%2FinputData%2FgatePipelineTest_sample.html
```

- annotations (specified)

Answers an instance of `AnnotationSet` containing the annotations of the `@annotationSet` for the currently-loaded instance of `GateDocument` with `@documentName`.

An instance of `AnnotationSet` has a possibly empty list of unique instances of `Annotation`.

Each instance of `Annotation` has a `type` (such as "Token" or "SpaceToken"), a `startNode` and `endNode` (each an instance of `Node` with a unique ID and offset within the document content), and a `features` object.

Each `features` object has a "kind" whose value describes the annotation (such as "control" or "word"), a "string" that contains the document fragment that the annotation pertains to and a length of that fragment.

Answers a 400 "Bad Request" if a `documentName` is not provided

Answers a 404 "Not Found" if the given `documentName` is not currently loaded.

This example uses a documentName of:

"%2Fhome%2Ftms%2Fbackend%2Ftests%2Ftest\_classes%2FBackendServices%2FGateService%2FinputData%2FgatePipelineTest\_sample.html".

This example uses an annotationSet of: "Original%20markups", the URL-encoded form of "Original markups".

- [annotations](#)
- URL:

```
https://hoyo.zeetix.com:5101/gate/v0/document/annotations?
documentName=%2Fhome%2Ftms%2Fbackend%2Ftests%2Ftest_classes%2FBackendServices%2FGateService%2FinputData%2FgatePipelineTest_sample.html&annotationSetName=Original%20markups
```

- cleanup

Removes any references to @documentName from both [gate](#) and [gated](#).

**NOTE:** This endpoint is NOT idempotent -- it is an error to call this endpoint more than once with the same documentName without an intervening call to the [withURL](#) or [withPath](#) endpoint.

Answers a 400 "Bad Request" if a documentName is not provided

Answers a [404](#) "Not Found" if the given documentName is not currently loaded.

- [cleanup](#)
- URL:

```
https://hoyo.zeetix.com:5101/gate/v0/document/cleanup?
documentName=%2Fhome%2Ftms%2Fbackend%2Ftests%2Ftest_classes%2FBackendServices%2FGateService%2FinputData%2FgatePipelineTest_sample.html
```

- GatePipeline

- corpusGet

Answers the instance of [GateCorpus](#) referenced by @pipelineName. Fails if no corpus has been set in the specified pipeline.

This example uses a pipelineName of "pipelineForTesting".

Answers a 400 "Bad Request" if a pipelineName is not provided

Answers a 404 "Not Found" if no pipeline named pipelineName exists.

Answers a 404 "Not Found" if the pipeline has no corpus

- [corpusGet](#)
- URL:

```
https://hoyo.zeetix.com:5101/gate/v0/pipeline/corpusGet?  
pipelineName=pipelineForTesting
```

- [corpusName](#)

Answers the name of the [GateCorpus](#) referenced by @pipelineName. Fails if no corpus has been set in the specified pipeline.

This example uses a pipelineName of "pipelineForTesting".

Answers a 400 "Bad Request" if a pipelineName is not provided

Answers a 404 "Not Found" if no pipeline named pipelineName exists.

Answers a 404 "Not Found" if the pipeline has no corpus

- [corpusName](#)
- URL:

```
https://hoyo.zeetix.com:5101/gate/v0/pipeline/corpusName  
?pipelineName=pipelineForTesting
```

- [corpusSet](#)

Makes the loaded corpus named @corpusName be the corpus of the [GatePipeline](#) referenced by @pipelineName.

This example uses a pipelineName of "pipelineForTesting" and a corpusName of "testCorpus1".

Answers a 400 "Bad Request" if a pipelineName is not provided

Answers a 400 "Bad Request" if a corpusName is not provided

Answers a 404 "Not Found" if no pipeline named pipelineName exists.

Answers a 404 "Not Found" if no corpus named corpusName exists.

- [corpusSet](#)
- URL:

```
https://hoyo.zeetix.com:5101/gate/v0/pipeline/corpusSet?  
pipelineName=pipelineForTesting&corpusName=testCorpus1
```



- **load**

Makes the existing pipeline named @pipelineName match the stored pipeline with full filesystem path of the provided path.

This example uses a pipelineName of "pipelineForTesting".

This example uses a path of

"%2Fhome%2Ftms%2Fbackend%2Ftests%2Ftest\_classes%2FBackendServices%2FGateService%2FinputData%2FgatePipelineForTesting.xgapp". This is the URL-encoded form of "/home/tms/backend/gate/test\_classes/GateClasses/GateObject/GateComponent/inputData/gatePipelineForTesting.xgapp"

Answers a 400 "Bad Request" if a pipelineName is not provided.

Answers a 400 "Bad Request" if a path is not provided.

Answers a 404 "Not Found" if no pipeline named pipelineName exists.

Answers a 404 "Not Found" if the file at the specified path cannot be loaded.

- **load**
- **URL:**

```
https://hoyo.zeetix.com:5101/gate/v0/pipeline/load?
pipelineName=pipelineForTesting&path=%2Fhome%2Ftms%2Fbac
kend%2Ftests%2Ftest_classes%2FBackendServices%2FGateServ
ice%2FinputData%2FgatePipelineForTesting.xgapp
```

- **names**

Answers a list containing the name of each currently loaded instance of **GatePipeline**

- **names**
- **URL:**

```
https://hoyo.zeetix.com:5101/gate/v0/pipeline/names
```

- **named**

Answers the currently-loaded instance of **GatePipeline** with the given pipelineName.

This example uses a pipelineName of "pipelineForTesting".

Answers a 400 "Bad Request" if a pipelineName is not provided

Answers a 404 "Not Found" if the given pipelineName is not currently loaded.

- **named**

- URL:

```
https://hoyo.zeetix.com:5101/gate/v0/pipeline/named?
pipelineName=pipelineForTesting
```

- parameterValueGet

Answers the current value of the parameter named @parameterName of the processing resource named @prName already added to the instance of `GatePipeline` named @pipelineName.

This example uses a pipelineName of "pipelineForTesting", a prName of "anndeletePR", and a parameterName of "setsToKeep".

Answers a 400 "Bad Request" if any of pipelineName, prName, or parameterName is not provided.

Answers a 404 "Not Found" if no pipeline named pipelineName exists, no `ProcessingResource` named prName is contained by the pipeline, or if the specified `ProcessingResource` has no parameter named parameterName.

- `parameterValueGet`
- URL:

```
https://hoyo.zeetix.com:5101/gate/v0/pipeline/parameterV
alueGet?
pipelineName=pipelineForTesting&prName=anndeletePR&param
eterName=setsToKeep
```

- parameterValueSet

Sets the current value of the parameter named @parameterName of the processing resource named @prName already added to the instance of `GatePipeline` with @pipelineName. The value of the designated parameter is changed to @parameterValue with type @parameterType.

This example uses a pipelineName of "pipelineForTesting", a prName of "anndeletePR", a parameterName of "setsToKeep", a parameterValue of "Key, Target" ("Key%2C%20Target"), and a parameterType of "List" ("List%3CString%3E").

**NOTE:** For list types (such as "List"), the provided parameter value should NOT include the list delimiters ("[" , "]" ).

Answers a 400 "Bad Request" if any of pipelineName, prName, parameterName, parameterValue, or parameterType is not provided.

The parameterValue and parameterType arguments are URL-encoded strings that correspond to `Key`, `Target` and `List<String>`.

Answers a 404 "Not Found" if

- no pipeline named pipelineName exists, or
- no **ProcessingResource** named prName is contained by the pipeline, or
- the specified **ProcessingResource** has no parameter named parameterName, or
- the provided parameterValue has the wrong type, or
- the provided parameterType is invalid for the specified parameterName.
- [parameterValueSet](#)
- URL:

```
https://hoyo.zeetix.com:5101/gate/v0/pipeline/parameterValueSet?
pipelineName=pipelineForTesting&prName=anndeletePR&parameterName=setsToKeep&parameterValue=Key%2C%20Target&parameterType=List%3CString%3E
```

- **prAdd (anndeletePR)**

Adds the already loaded instance of **ProcessingResource** named @prName to the **GatePipeline** referenced by @pipelineName. Fails if @prName does not reference an already-loaded instance of **ProcessingResource**.

This example uses a pipelineName of "pipelineForTesting" and a prName of "anndeletePR".

Answers a 400 "Bad Request" if a pipelineName is not provided

Answers a 400 "Bad Request" if a prName is not provided

Answers a 404 "Not Found" if no pipeline named pipelineName exists.

Answers a 404 "Not Found" if no ProcessingResource named prName exists.

- [prAdd \(anndeletePR\)](#)
- URL:

```
https://hoyo.zeetix.com:5101/gate/v0/pipeline/prAdd?
pipelineName=pipelineForTesting&prName=anndeletePR
```

- **prAdd (defToken)**

This example uses a pipelineName of "pipelineForTesting" and a prName of "defToken". It is provided as a convenience so that the example pipeline produces non-trivial

annotations.

- [prAdd \(defToken\)](#)
- URL:

```
https://hoyo.zeetix.com:5101/gate/v0/pipeline/prAdd?  
pipelineName=pipelineForTesting&prName=defToken
```

- [prNames](#)

Answers a list containing the name of each currently loaded [ProcessingResource](#) of the instance of [GatePipeline](#) specified by @pipelineName.

Answers a 400 "Bad Request" if a @pipelineName is not provided

Answers a 404 "Not Found" if no pipeline named @pipelineName exists.

- [prNames](#)
- URL:

```
https://hoyo.zeetix.com:5101/gate/v0/pipeline/prNames?  
pipelineName=pipelineForTesting
```

- [run](#)

Runs the [GatePipeline](#) specified by @pipelineName. Each instance of [ProcessingResource](#) added to the pipeline will be applied to each instance of [GateDocument](#) contained by the corpus of the pipeline. Fails if the specified pipeline is not runnable.

Answers a 400 "Bad Request" if a @pipelineName is not provided

Answers a 404 "Not Found" if no pipeline named @pipelineName exists.

Answers a 404 "Not Found" if the pipeline named @pipelineName is not runnable.

- [run](#)
- URL:

```
https://hoyo.zeetix.com:5101/gate/v0/pipeline/run?  
pipelineName=pipelineForTesting
```

- [store](#)

Stores the pipeline named @pipelineName to full filesystem path of the provided @path, replacing any existing file at that path. Fails if the designated path is not writable.

This example uses a pipelineName of "pipelineForTesting".

This example uses a path of

"%2Fhome%2Ftms%2Fbackend%2Ftests%2Ftest\_classes%2FBackendServices%2FGateService%2FoutputData%2FgatePipelineForTesting.xgapp". This the URL-encoded form of "/home/tms/backend/gate/test\_classes/GateClasses/GateObject/GateComponent/outputData/gatePipelineForTesting.xgapp"

Answers a 400 "Bad Request" if @pipelineName is not provided

Answers a 400 "Bad Request" if @path is not provided

Answers a 404 "Not Found" if no pipeline named @pipelineName exists.

Answers a 404 "Not Found" if the file at @path cannot be stored.

- [store](#)
- URL:

```
https://hoyo.zeetix.com:5101/gate/v0/pipeline/store?
pipelineName=pipelineForTesting&path=%2Fhome%2Ftms%2Fbac
kend%2Ftests%2Ftest_classes%2FBackendServices%2FGateServ
ice%2FoutputData%2FgatePipelineForTesting.xgapp
```

- [withName](#)

Answers an instance of `GatePipeline` with @pipelineName, creating it only if needed.

This example uses a pipelineName of "pipelineForTesting".

Answers a 400 "Bad Request" if a pipelineName is not provided

- [withName](#)
- URL:

```
https://hoyo.zeetix.com:5101/gate/v0/pipeline/withName?
pipelineName=pipelineForTesting
```

- ProcessingResource (PR)

- [withPR \(anndeletePR\)](#)

Answers an instance of `ProcessingResource` with @prName and @resourcePath, creating it only if needed. The value of @path is a dot-separated Java class name that specifies the a CREOLE resource within the loaded plugin that contains it. Fails if the containing plugin is not loaded.

The value of @prName is arbitrary and is used to identify the loaded ProcessingResource for the remainder of the session.

This example uses a prName of "pipelineForTesting" and a resourcePath of "gate.creole.annotdelete.AnnotationDeletePR"

Answers a 400 "Bad Request" if either @pipelineName or @resourcePath is not provided.

Answers a 404 "Not Found" if no ProcessingResource can be loaded from @resourcePath.

- [withPR \(anndeletePR\)](#)
- URL:

```
https://hoyo.zeetix.com:5101/gate/v0/pr/withPR?
prName=anndeletePR&resourcePath=gate.creole.annotdelete.
AnnotationDeletePR
```

- [withPR \(defToken\)](#)

Answers an instance of the "DefaultTokeniser". This is provided for convenience, because it is used by the example pipeline.

- [withPR \(defToken\)](#)
- URL:

```
https://hoyo.zeetix.com:5101/gate/v0/pr/withPR?
prName=defToken&gate.creole.tokeniser.DefaultTokeniser
```

- [reinitPR](#)

Reinitializes the loaded instance of **ProcessingResource** with @prName and @resourcePath. Restores each runtime parameter of @prName to its default value.

This operation allows the parameters of the loaded instance of **ProcessingResource** to be reset while preserving each internal reference within any other CREOLE resource that references the designated instance of **ProcessingResource**.

The value of @path is a dot-separated Java class name that specifies a CREOLE resource within the loaded plugin that provides it. Fails if the containing plugin is not loaded.

The value of @prName is arbitrary and is used to identify the loaded ProcessingResource for the remainder of the session.

This example uses a prName of "anndeletePR" and a resourcePath of "gate.creole.annotdelete.AnnotationDeletePR"

Answers a 400 "Bad Request" if either @pipelineName or @resourcePath is not provided.

Answers a 404 "Not Found" if no ProcessingResource can be loaded from @resourcePath.

- [reinitPR](#)
- URL:

```
https://hoyo.zeetix.com:5101/gate/v0/pr/reinitPR?  
prName=anndeletePR&resourcePath=gate.creole.annotdelete.  
AnnotationDeletePR
```

- Cleanup

- Cleanup [gated](#)

Reinitializes the [GateDaemon](#) used by [gated](#). Cleans up and discards each GATE-core resource currently referenced by [gated](#). This is an idempotent operation and therefore can be safely called more than once.

This endpoint has no operation or arguments.

- [Cleanup gated](#)
- URL:

```
https://hoyo.zeetix.com:5101/gate/v0/cleanup
```

- Reset Shared state

Reinitializes the shared state of [gate](#) service. Cleans up and discards each Javascript resource currently referenced by [gate](#). This is an idempotent operation and therefore can be safely called more than once.

This endpoint has no operation or arguments.

- [Reset shared state](#)
- URL:

```
https://hoyo.zeetix.com:5101/gate/v0/resetSharedState
```