conversion service

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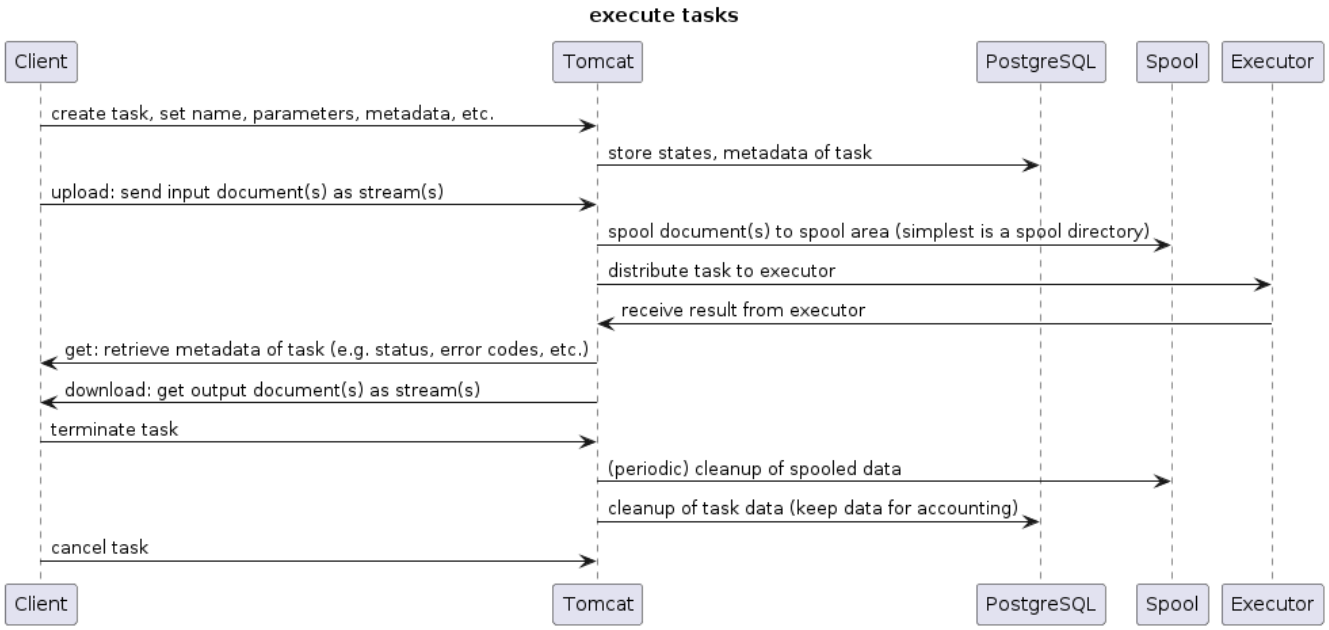
Chapter 1. Overview

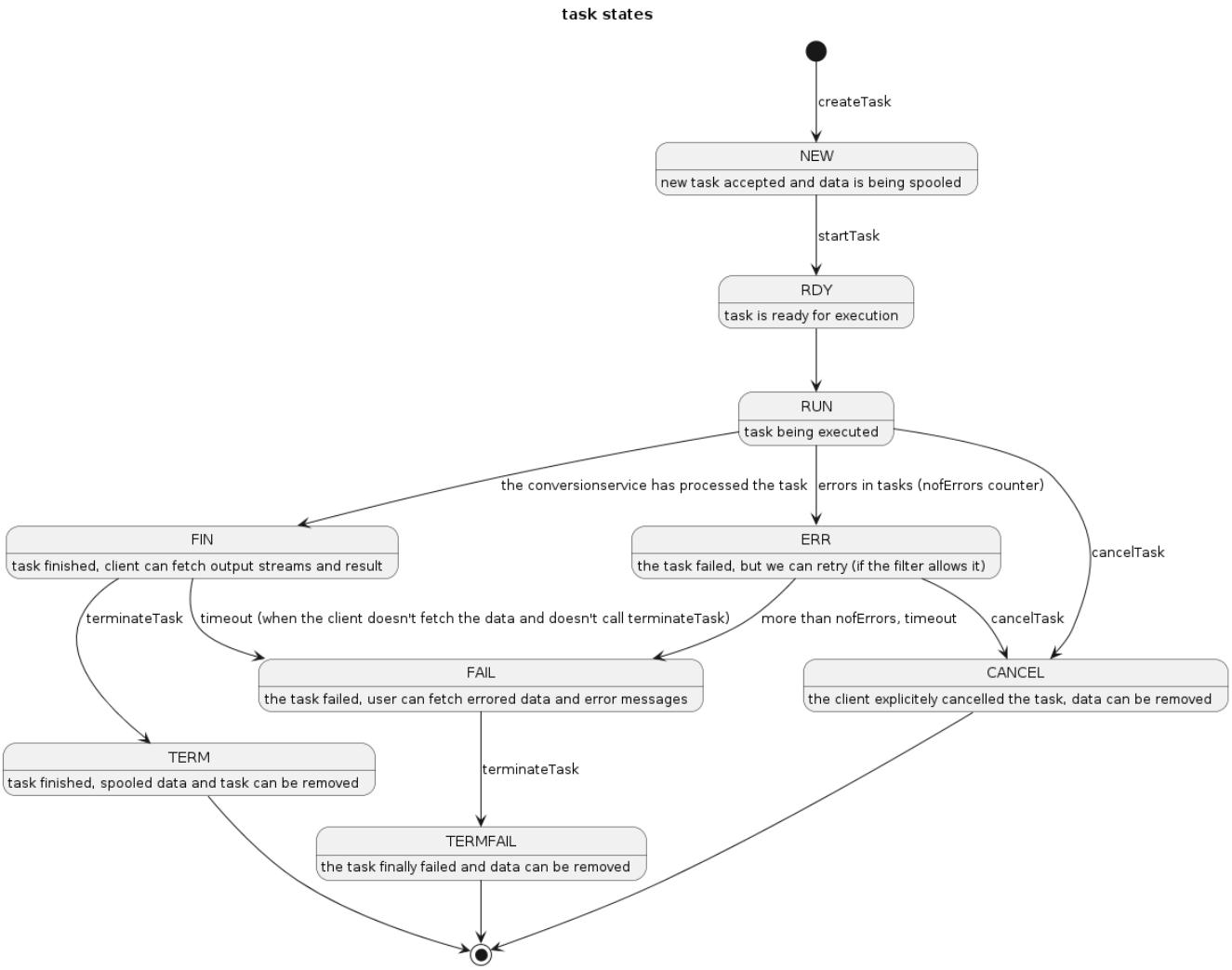
Via the rest service you can:

- Create and exectute tasks
- Transfer big data for tasks in streams
- Poll for the status of the task
- Terminate or cancel tasks
- Get list of available filters
- Start/stop the internal task execution
- Reconfigure the service without restarting the service
- Check sanity of service for monitoring

Tasks can be executed on the service as follows:



Tasks transition throught the following states:



conversion service

1.1. Version information

Version : 1.0-SNAPSHOT

1.2. URI scheme

Host : conversionservice.eurospider.com
BasePath : /service/rest

1.3. Tags

- ConversionResourceImpl

Chapter 2. Paths

2.1. POST /rest/cancelTask

2.1.1. Description

Cancel a task.

2.1.2. Parameters

Type	Name	Schema
Query	**id** *required*	integer (int32)

2.1.3. Responses

HTTP Code	Description	Schema
200	Success	No Content
500	Internal Server Error	No Content

2.1.4. Tags

- ConversionResourceImpl

2.2. POST /rest/createTask

2.2.1. Description

Create a new task, give it a name, we can also pass parameters for filters or metadata to it. This task gets the standard priority of the owner of the task (the user of the API cannot override it).

2.2.2. Parameters

Type	Name	Schema
Query	**filter** *optional*	string

Type	Name	Schema
Query	**name** *optional*	string
Body	**body** *optional*	< string, string > map

2.2.3. Responses

HTTP Code	Description	Schema
200	Success	integer (int32)
500	Internal Server Error	No Content

2.2.4. Consumes

- `application/json`

2.2.5. Produces

- `application/json`

2.2.6. Tags

- ConversionResourceImpl

2.3. POST /rest/createTaskWithPriority

2.3.1. Description

Create a new task, give it a name, we can also pass parameters for filters or metadata to it. This task is prioritized by the user of the API.

2.3.2. Parameters

Type	Name	Schema
Query	**filter** *optional*	string
Query	**name** *optional*	string

Type	Name	Schema
Query	**priority** *required*	integer (int32)
Body	**body** *optional*	< string, string > map

2.3.3. Responses

HTTP Code	Description	Schema
200	Success	integer (int32)
500	Internal Server Error	No Content

2.3.4. Consumes

- `application/json`

2.3.5. Produces

- `application/json`

2.3.6. Tags

- ConversionResourceImpl

2.4. GET /rest/downloadData

2.4.1. Description

Download data associated to a task

2.4.2. Parameters

Type	Name	Schema
Query	**id** *required*	integer (int32)
Query	**purpose** *optional*	string

2.4.3. Responses

HTTP Code	Description	Schema
200	Success	file
500	Internal Server Error	No Content

2.4.4. Produces

- `application/json`

2.4.5. Tags

- ConversionResourceImpl

2.5. GET /rest/findTask

2.5.1. Description

Returns data about the task with a given name.

2.5.2. Parameters

Type	Name	Schema
Query	**name** *optional*	string

2.5.3. Responses

HTTP Code	Description	Schema
200	Success	Task
500	Internal Server Error	No Content

2.5.4. Produces

- `application/json`

2.5.5. Tags

- ConversionResourceImpl

2.5.6. Example HTTP response

Response 200

```
{
  "id" : 12345,
  "name" : "...",
  "parameters" : "...",
  "filterId" : 12345,
  "ownerId" : 12345,
  "state" : "NEW",
  "code" : 12345,
  "nofErrors" : 12345,
  "created" : 12345,
  "lastModification" : 12345,
  "priority" : 12345
}
```

Response 500

```
{
  "id" : 12345,
  "name" : "...",
  "parameters" : "...",
  "filterId" : 12345,
  "ownerId" : 12345,
  "state" : "RUN",
  "code" : 12345,
  "nofErrors" : 12345,
  "created" : 12345,
  "lastModification" : 12345,
  "priority" : 12345
}
```

2.6. GET /rest/getFilters

2.6.1. Description

Return the list of available filters.

2.6.2. Responses

HTTP Code	Description	Schema
200	Success	< Filter > array

HTTP Code	Description	Schema
500	Internal Server Error	No Content

2.6.3. Produces

- `application/json`

2.6.4. Tags

- ConversionResourceImpl

2.6.5. Example HTTP response

Response 200

```
[ {
  "id" : 12345,
  "name" : "...",
  "maxNofErrors" : 12345
} ]
```

Response 500

```
[ {
  "id" : 12345,
  "name" : "...",
  "maxNofErrors" : 12345
} ]
```

2.7. GET /rest/getStats

2.7.1. Description

Return a map of statistics.

2.7.2. Responses

HTTP Code	Description	Schema
200	Success	StatsResponse
500	Internal Server Error	No Content

2.7.3. Produces

- `application/json`

2.7.4. Tags

- ConversionResourceImpl

2.7.5. Example HTTP response

Response 200

```
{
  "stats" : {
    "property1" : { },
    "property2" : { }
  }
}
```

Response 500

```
{
  "stats" : {
    "property1" : { },
    "property2" : { }
  }
}
```

2.8. GET /rest/getTask

2.8.1. Description

Returns data about the task with a given id.

2.8.2. Parameters

Type	Name	Schema
Query	**id** *required*	integer (int32)

2.8.3. Responses

HTTP Code	Description	Schema
200	Success	Task
500	Internal Server Error	No Content

2.8.4. Produces

- `application/json`

2.8.5. Tags

- ConversionResourceImpl

2.8.6. Example HTTP response

Response 200

```
{
  "id" : 12345,
  "name" : "...",
  "parameters" : "...",
  "filterId" : 12345,
  "ownerId" : 12345,
  "state" : "TERM",
  "code" : 12345,
  "nofErrors" : 12345,
  "created" : 12345,
  "lastModification" : 12345,
  "priority" : 12345
}
```

Response 500

```
{
  "id" : 12345,
  "name" : "...",
  "parameters" : "...",
  "filterId" : 12345,
  "ownerId" : 12345,
  "state" : "ERR",
  "code" : 12345,
  "nofErrors" : 12345,
  "created" : 12345,
  "lastModification" : 12345,
  "priority" : 12345
}
```


2.9. GET /rest/listTaskIds

2.9.1. Description

Returns list of task ids between two dates.

2.9.2. Parameters

Type	Name	Schema
Query	**from** *optional*	string
Query	**to** *optional*	string

2.9.3. Responses

HTTP Code	Description	Schema
200	Success	< integer > array
500	Internal Server Error	No Content

2.9.4. Produces

- `application/json`

2.9.5. Tags

- ConversionResourceImpl

2.10. GET /rest/listTasks

2.10.1. Description

Returns list of task data between two dates.

2.10.2. Parameters

Type	Name	Schema
Query	**from** *optional*	string
Query	**to** *optional*	string

2.10.3. Responses

HTTP Code	Description	Schema
200	Success	< Task > array
500	Internal Server Error	No Content

2.10.4. Produces

- `application/json`

2.10.5. Tags

- ConversionResourceImpl

2.10.6. Example HTTP response

Response 200

```
[ {
  "id" : 12345,
  "name" : "...",
  "parameters" : "...",
  "filterId" : 12345,
  "ownerId" : 12345,
  "state" : "FAIL",
  "code" : 12345,
  "nofErrors" : 12345,
  "created" : 12345,
  "lastModification" : 12345,
  "priority" : 12345
} ]
```

Response 500

```
[ {
  "id" : 12345,
  "name" : "...",
  "parameters" : "...",
  "filterId" : 12345,
  "ownerId" : 12345,
  "state" : "RUN",
  "code" : 12345,
  "nofErrors" : 12345,
  "created" : 12345,
  "lastModification" : 12345,
  "priority" : 12345
} ]
```

2.11. POST /rest/reloadConfiguration

2.11.1. Description

Reload configuration of service without restarting it, this is mainly to change parameters to filter or adding/removing filters at runtime

2.11.2. Responses

HTTP Code	Description	Schema
200	Success	No Content
500	Internal Server Error	No Content

2.11.3. Tags

- ConversionResourceImpl

2.12. POST /rest/sanity

2.12.1. Description

Check sanity of service, used for monitoring

2.12.2. Responses

HTTP Code	Description	Schema
200	Success	SanityResponse
500	Internal Server Error	No Content

2.12.3. Produces

- `application/json`

2.12.4. Tags

- ConversionResourceImpl

2.12.5. Example HTTP response

Response 200

```
{
  "state" : "WARNING",
  "message" : "encountered 2 service exceptions, "
}
```

Response 500

```
{
  "state" : "WARNING",
  "message" : "encountered 2 service exceptions, "
}
```

2.13. POST /rest/startExecutors

2.13.1. Description

Start executors to handle tasks

2.13.2. Responses

HTTP Code	Description	Schema
200	Success	No Content
500	Internal Server Error	No Content

2.13.3. Tags

- ConversionResourceImpl

2.14. POST /rest/startTask

2.14.1. Description

Start the task, all parameters, metadata and data has been uploaded and spool. Mark task ready for execution.

2.14.2. Parameters

Type	Name	Schema
Query	**id** *required*	integer (int32)

2.14.3. Responses

HTTP Code	Description	Schema
200	Success	No Content
500	Internal Server Error	No Content

2.14.4. Tags

- ConversionResourceImpl

2.15. POST /rest/stopExecutors

2.15.1. Description

Stop executors to handle tasks

2.15.2. Responses

HTTP Code	Description	Schema
200	Success	No Content
500	Internal Server Error	No Content

2.15.3. Tags

- ConversionResourceImpl

2.16. POST /rest/terminateTask

2.16.1. Description

Terminate a task after having fetched all data from it (metadata
results data, logfiles, etc.)

2.16.2. Parameters

Type	Name	Schema
Query	**id** *required*	integer (int32)

2.16.3. Responses

HTTP Code	Description	Schema
200	Success	No Content
500	Internal Server Error	No Content

2.16.4. Tags

- ConversionResourceImpl

2.17. POST /rest/uploadData

2.17.1. Description

Upload data associated to a task

2.17.2. Parameters

Type	Name	Schema
Query	**id** *required*	integer (int32)
Query	**purpose** *optional*	string
Body	**body** *optional*	file

2.17.3. Responses

HTTP Code	Description	Schema
200	Success	No Content
500	Internal Server Error	No Content

2.17.4. Consumes

- `application/json`

2.17.5. Tags

- ConversionResourceImpl

2.18. GET /rest/version

2.18.1. Description

Get version of the service

2.18.2. Responses

HTTP Code	Description	Schema
200	Success	VersionResponse
500	Internal Server Error	No Content

2.18.3. Produces

- `application/json`

2.18.4. Tags

- ConversionResourceImpl

2.18.5. Example HTTP response

Response 200

```
{
  "major" : 0,
  "minor" : 1
}
```

Response 500

```
{
  "major" : 0,
  "minor" : 1
}
```

Chapter 3. Definitions

3.1. Filter

Name	Schema
id *required*	integer (int32)
maxNofErrors *required*	integer (int32)
name *optional*	string

3.2. FilterMixin

Polymorphism : Composition

Name	Schema
id *required*	integer (int32)
maxNofErrors *required*	integer (int32)
name *optional*	string

3.3. SanityResponse

Response to a sanity request

Name	Description	Schema
message *optional*	Messages given an indications why the service is in a bad state (in case the service is not in state OK)	string
state *optional*	The state of the service	SanityState

3.4. SanityState

Enumeration of all sanity states the service can be in.

OK: Service is running ok, all docfetchers are ok.
WARNING: Service encountered warnings.
ERROR: Service encountered errors.
FATAL: Service is in a critical state and most likely stopped to work properly.

Type : enum (OK, WARNING, ERROR, FATAL)

3.5. StatsResponse

Response to a stats request

Name	Description	Schema
stats *optional*	Statistics, depend on the configured filters.	< string, object > map

3.6. Task

Name	Schema
code *required*	integer (int32)
created *optional*	integer (int32)
filterId *required*	integer (int32)
id *required*	integer (int32)
lastModification *optional*	integer (int32)
name *optional*	string
nofErrors *required*	integer (int32)

Name	Schema
ownerId *required*	integer (int32)
parameters *optional*	string
priority *required*	integer (int32)
state *optional*	TaskState

3.7. TaskMixin

Polymorphism : Composition

Name	Schema
code *required*	integer (int32)
created *optional*	integer (int32)
filterId *required*	integer (int32)
id *required*	integer (int32)
lastModification *optional*	integer (int32)
name *optional*	string
nofErrors *required*	integer (int32)
ownerId *required*	integer (int32)

Name	Schema
parameters *optional*	string
priority *required*	integer (int32)
state *optional*	TaskState

3.8. TaskState

Possible states of tasks in the executor state machine and in the service.

Type : enum (NEW, RDY, RUN, FIN, TERM, CANCEL, ERR, FAIL, TERMFAIL)

3.9. VersionResponse

Response to a request of the version of the API, contains major and minor of the version.

Name	Description	Schema
major *required*	The major version number. **Example** : `1`	integer (int32)
minor *required*	The minor version number. **Example** : `0`	integer (int32)