Minutes of the HTTP REST TAPE API meeting (11$^{\text{th}}$ of June 2021)

Goals we wanted to achieve for this meeting

Agree on the way we access the resources of our API. In other words, how do we access the management of the 3 bulk-request type we have: `STAGE`, `UNPIN`, `EVICT`

Introduction

Andrea Ceccanti and Albert Rossi presented their ideas for the new way we will access the resources of the API. Many thanks again!

New API resources for the management of the activities

The proposal is to not access the API activities via a bulk-request object, but access them via different resources.

Here are the different activities our common API will provide and the way we will access these activities:

Activity	Resource access	Functionality
STAGE	`/api/v1/stage`	Stage files from tape
UNPIN	`/api/v1/unpin`	Evict disk copy from the cache
FILEINFO	`/api/v1/fileinfo`	Get information about files

This new way of accessing the resources has been approved by all the stakeholders EOSCTA, dCache and StoRM.

Creation of a Swagger-UI project

Now that we have defined the new way we will access the resources of the API, the aim is to agree on what will be the different messages that will be exchanged between the client and the API.

In order to ease this process, Andrea has created a Github repository that hosts a Java Spring boot application used to bootstrap an OpenAPI definition for our common API. This will allow

everybody to contribute to the API specifications.

Here is the link to the Github project: https://github.com/wlcg-storage/wlcg-tape-rest-api

We will discuss and agree on the messages exchange during the next meeting.

Follow-up actions

Cedric will update the workflow diagrams so that they are compliant with the new API access and will update the reference document of the API (https://docs.google.com/document/d/1Zx_H5dRkQRfju3xIYZ2WgjKoOvmLtsafP2pKGpHqcfY) with the new way we access the resources of the API.

EOSCTA, dCache and StoRM will update the Swagger-UI Github project with the messages exchange they imagine in order to prepare for the next meeting.

Next meeting date and content

Our next meeting will take place on Friday the 25th of June at 3pm CEST (8am CDT). We will discuss and agree on the messages that will be exchanged between the API and the client.