



# *OPENCoastS* report

16<sup>th</sup> of July 2019

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*Access Enabling services: AAI, monitoring, accounting, etc.*

JIRA ticket ID	Service	Integration status (done, ongoing, planned, assessment)	Comments and Issues
EOSCWP10-19	EGI Checkin	<b>done</b>	Web frontend is already integrated with EGI Checkin, OpenID authentication
EOSCWP10-42	Accounting	planned	Compute accounting: TS uses EGI Grid/Fedcloud which already gathers and displays accounting. <b>No progress (depends on EOSCWP10-18 &amp; 24)</b>
EOSCWP10-43	Monitoring	assessment	<b>No progress</b>
EOSCWP10-26	MasterPortal	planned	Next step is testing OpenID token translation to X509 for Grid submission (currently done with robot certificate) <b>No progress</b>

*Common services: EGI FedCloud, EUDAT B2FIND, INDIGO PaaS. etc.*

JIRA ticket ID	Service	Integration status (done, ongoing, planned, assessment)	Comments and Issues
EOSCWP10-18	DIRAC4EGI	ongoing	The TS is integrating the job submission to DIRAC4EGI in the backend Integration of OPENCoastS backend and DIRAC4EGI is not possible using Python API (conflict in Python version). Therefore the TS has requested the availability of the REST API in DIRAC4EGI service, which has been already deployed and it is currently under testing.
EOSCWP10-24	B2SHARE/B2SAFE	assessment	Currently evaluating B2SAFE (permanent data) and B2DROP (caching) A change will take place to use temporary webdav through Storm. Using eventually EGI Data Transfer Service is foreseen

- *Issues have appeared when integrating the TS with DIRAC4EGI as only Python API was provided, but it is not operational for the TS due to conflicting Python versions*
  - *REST API is already deployed in DIRAC4EGI offering basic functionality*
  - *TS requests 2 major improvements in DIRAC4EGI:*
    - *Redundant service (only one instance is now available)*
    - *More accurate logs when jobs fail as a result of DIRAC operation*
- *Due to technical complexities (dealing with both EGI-checkin for the frontend and B2ACCESS), the TS has decided to use WebDav through Storm (RPs have this service already deployed). In the near future, plans are to evaluate the EGI Data Transfer Service to sync data between sites (needed for the computation)*
  - *The TS does not want to rely on a single Cloud provider for*

- *Test DIRAC4EGI REST API job submission chain*
  - *Cloud submission*
- *Implement data replication optimization (while relying on Storm Webdav)*
  - *Output data is the input of next day's submission (one day available)*
  - *TS backend will transfer it to the whole set of available sites*
- *Test EGI Data Transfer service*

# Thank you for your attention!

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*Questions?*



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