

Activités récentes

F2F DIRAC@IN2P3, Lyon 2025

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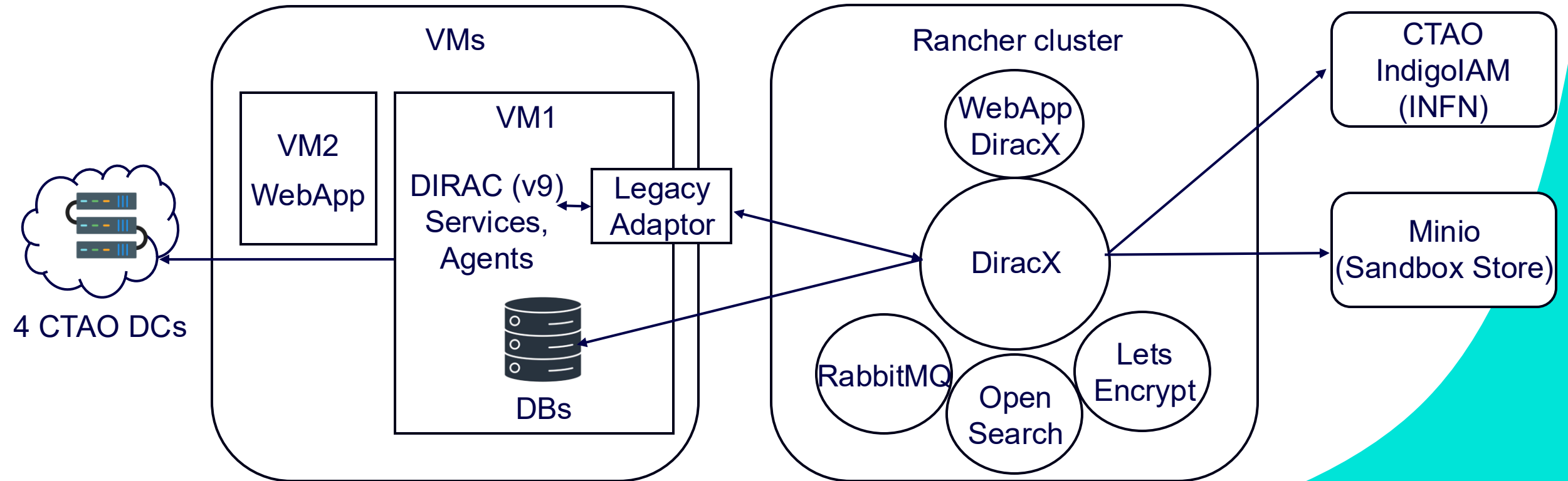
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Migration vers DiracX

de notre instance de "test"



Helm charts

CTAO WMS: <https://gitlab.cta-observatory.org/cta-computing/dpps/workload/wms>

- Services, agents, executors et WebApp DIRAC (1 par pods)
- MariaDB
- 1 pod CE (SSH)
- DiracX
 - Minio
 - Opensearch
- IAM (CTAO)

Ces charts sont utilisés pour une intégration avec:

- CTAO Bulk Data Management System (basé sur Rucio)
- Les logiciels CTAO (Pipelines: Calibration, Simulation, Processing,...)

=> Pour le moment déployés sur [Kind](#) dans un pipeline CI

=> Destinés à un déploiement en (pre)production sur des DataCenters (PIC et CSCS)

=> Devrait être utilisé pour le traitement des données du premier Large Size Telescope (LST1)

Déploiement Kind

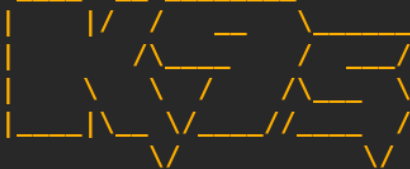
Cluster: kind-dpps-local-wms
 User: kind-dpps-local-wms
 K9s Rev: v0.50.9 ⚡ v0.50.16
 K8s Rev: v1.34.0
 CPU: n/a
 MEM: n/a

<1> wms
 <2> default

<ctrl-d> Delete
 <d> Describe
 <e> Edit
 <?> Help
 <shift-j> Jump Owner

<l> Logs
 <p> Logs Previous
 <shift-f> Port-Forward
 <z> Sanitize
 <s> Shell

<f> S
 <t> T
 <y> Y



pods (wms) [65]							
NAME↑	PF	READY	STATUS	RESTARTS	IP	NODE	AGE
wms-dirac-web-app-54bf9dc865-c87wg	●	1/1	Running	20	10.244.0.39	dpps-local-wms-control-plane	22h
wms-diracx-7878d9c576-n6vzz	●	1/1	Running	253	10.244.0.29	dpps-local-wms-control-plane	22h
wms-diracx-cli-6c5898f46d-rgms4	●	1/1	Running	0	10.244.0.46	dpps-local-wms-control-plane	22h
wms-diracx-web-64485dd6bb-gjmhk	●	1/1	Running	0	10.244.0.14	dpps-local-wms-control-plane	22h
wms-dpps-iam-bootstrap-3-wt74r	●	0/1	Completed	0	10.244.0.110	dpps-local-wms-control-plane	67m
wms-dpps-iam-client-86d689bc45-wbqr4	●	1/1	Running	0	10.244.0.35	dpps-local-wms-control-plane	22h
wms-dpps-iam-grid-clients-b75d6dd48-kcqnc	●	1/1	Running	0	10.244.0.26	dpps-local-wms-control-plane	22h
wms-dpps-iam-init-tls-3-czkmk	●	0/1	Completed	0	10.244.0.108	dpps-local-wms-control-plane	67m
wms-dpps-iam-login-service-6d4c449dbc-qvsg9	●	1/1	Running	0	10.244.0.24	dpps-local-wms-control-plane	22h
wms-dpps-iam-nginx-voms-775b755dc9-5zvg2	●	1/1	Running	0	10.244.0.38	dpps-local-wms-control-plane	22h
wms-dpps-iam-test-client-5679fdcbd8-l44wr	●	1/1	Running	0	10.244.0.33	dpps-local-wms-control-plane	22h
wms-dpps-iam-trust-store-29413800-26xlg	●	0/1	Completed	0	10.244.0.91	dpps-local-wms-control-plane	169m
wms-dpps-iam-voms-aa-6d44df59fb-7smds	●	1/1	Running	1	10.244.0.31	dpps-local-wms-control-plane	22h
wms-file-catalog-59567ffc7c-t576p	●	1/1	Running	0	10.244.0.104	dpps-local-wms-control-plane	67m
wms-job-manager-6759f8586-w9t7t	●	1/1	Running	0	10.244.0.99	dpps-local-wms-control-plane	67m
wms-job-monitoring-65b54b4d6f-9wkj4	●	1/1	Running	0	10.244.0.100	dpps-local-wms-control-plane	67m
wms-job-state-update-84f6554b68-jvc44	●	1/1	Running	0	10.244.0.101	dpps-local-wms-control-plane	67m
wms-mariadb-0	●	1/1	Running	0	10.244.0.40	dpps-local-wms-control-plane	22h
wms-master-cs-0	●	1/1	Running	0	10.244.0.107	dpps-local-wms-control-plane	67m
wms-matcher-7cd6978755-4vph2	●	1/1	Running	0	10.244.0.98	dpps-local-wms-control-plane	67m
wms-minio-568ff76587-st7js	●	1/1	Running	0	10.244.0.13	dpps-local-wms-control-plane	22h
wms-optimization-mind-5d549c4b56-gq28k	●	1/1	Running	0	10.244.0.102	dpps-local-wms-control-plane	67m

DiracX CWL prototype

- Utilisation du [Common Workflow Language](#) pour décrire les workflows Dirac(X) (Jobs, Transformations et Productions)
- Participation au développement du prototype (puis à l'intégration dans DiracX):
 - Plan: <https://github.com/users/aldbbr/projects/1/views/1>
 - 8 participants actifs:
 - CTAO: mexanick, arrabito, stellatsuu, loxeris, natthan-pigoux
 - LHCb: aldbbr, ryuwd, acquadigiorgio
 - Sprint de 2 semaines
- Les premières étapes (pour les jobs seulement):
 - JobWrapper custom pour la gestion du prototype dans DIRAC
 - Convertteur CWL -> JDL
 - Gestion des I/O (data et sandbox)
 - Création d'"Execution Hooks" et de "Plugins" (e.g. gestion du Pre/Post processing)
 - Gestion d'apptainer
 - Tests avec des Workflows LHCb et CTAO

Merci !