

# Activités récentes



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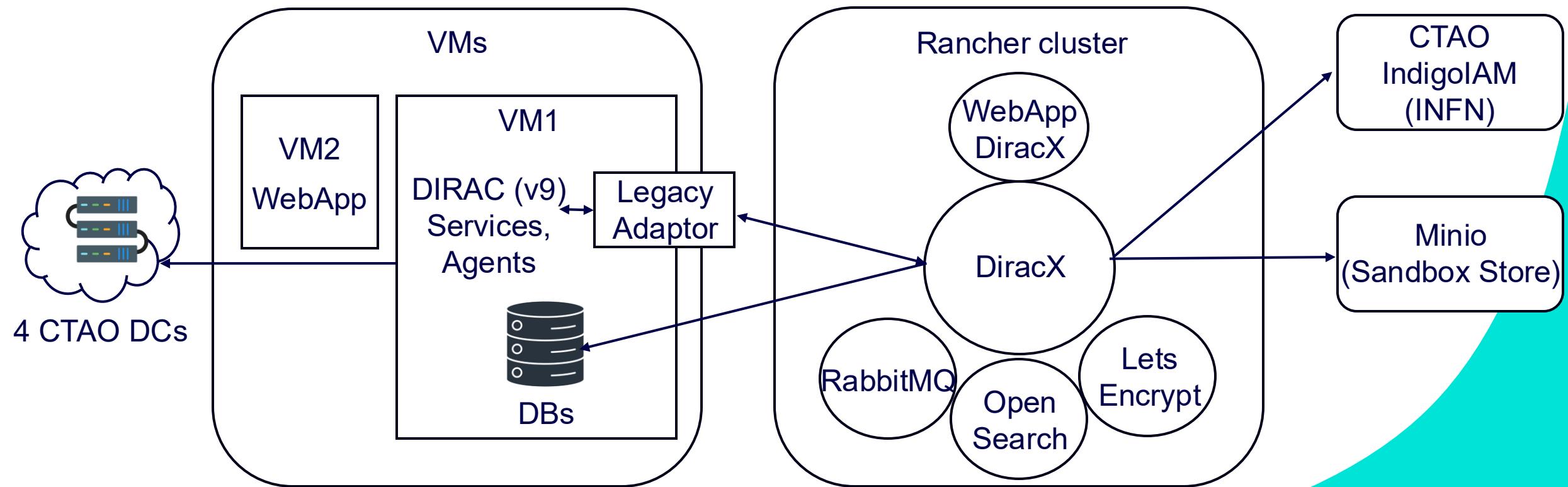
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# Migration vers DiracX

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	<1> wms	<ctrl-d>	Delete	<l>	Logs	<f> S	/	/	_	\	/
User: kind-dpps-local-wms	<2> default	<d>	Describe	<p>	Logs Previous	<t> T	/	\	/	\	/
K9s Rev: v0.50.9 ✨ v0.50.16		<e>	Edit	<shift-f>	Port-Forward	<y> Y	\	\	/	\	/
K8s Rev: v1.34.0		<?>	Help	<z>	Sanitize		—	—	/	—	/
CPU: n/a		<shift-j>	Jump Owner	<s>	Shell		—	—	/	—	/
MEM: n/a							—	—	/	—	/
<hr/>											
<b>pods (wms) [65]</b>											
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-29413800-26xlq	●	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	
<b>wms-master-cs-0</b>	●	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/aldbr/projects/1/views/1>
  - 8 participants actifs:
    - CTAO: mexanick, arrabito, stellatsuu, loxeris, natthan-pigoux
    - LHCb: aldbr, ryuwd, acquadigiorgio
  - Sprint de 2 semaines
- Les premières étapes (pour les jobs seulement):
  - JobWrapper custom pour la gestion du prototype dans DIRAC
  - Convertisseur CWL -> JDL
  - Gestion des I/O (data et sandbox)
  - Crédit d'"Execution Hooks" et de "Plugins" (e.g. gestion du Pre/Post processing)
  - Gestion d'apptainer
  - Tests avec des Workflows LHCb et CTAO

# Merci !