

Kserve 開源貢獻

Group 1


kserve是甚麼












KServe 是什麼？





- KServe 是在 Kubernetes 上的 AI 模型部署框架
- 幫助我們把訓練好的 AI 模型 → 做成一個 API, 能「即時預測」
- 支援多種模型格式: TensorFlow / PyTorch / MLflow / ONNX...












kserve是甚麼

 **kserve** Public

 Edit Pins  Watch 66  Fork 1.2k  Star 4.2k


 master  18 Branches  51 Tags  Add file  Code

 **akagami-harsh** and **sivanantha321** Fix pss restricted warnings (#4327)   cee2c1d · 4 days ago  1,811 Commits

 .github	Initial segregation of the storage module from KServe SDK (...)	5 days ago
 charts	Fix pss restricted warnings (#4327)	4 days ago
 cmd	InferenceGraph: Fix response code when condition step is n...	last month
 config	Fix pss restricted warnings (#4327)	4 days ago
 docs	upgrade vllm to v0.9.0 and Torch to v2.7.0 (#4501)	last week
 hack	Generate Release 0.15.2 (#4497)	2 weeks ago
 install	Generate Release 0.15.2 (#4497)	2 weeks ago
 pkg	Remove 'default' suffix compatibility (#4178)	2 weeks ago
 python	Initial segregation of the storage module from KServe SDK (...)	5 days ago
 qpect	chore: Include third party licenses, Add license checker, Enab...	last month
 release	Combine precommit checks (#4256)	3 months ago

About

Standardized Serverless ML Inference Platform on Kubernetes

 kserve.github.io/website/

kubernetes

machine-learning

tensorflow

sklearn

pytorch

artificial-intelligence

xgboost

k8s

service-mesh

hacktoberfest

istio

model-serving

kubeflow

mlops








knative

model-interpretability

kserve

genai

llm-inference

 Readme  Apache-2.0 license  Code of conduct  Security policy  Activity  Custom properties  4.2k stars

開源貢獻是甚麼

什麼是開源 (Open Source) ?

- 原始碼公開, 任何人都能閱讀、使用、修改、貢獻
- 常見平台: GitHub (kserve、openCV)

可以怎麼貢獻?

- 改進文件
- 回報錯誤 (開 issue)
- 寫程式碼 (修 bug、新功能)
- 參與討論 (Pull Request 審核、留言)

開源貢獻流程

1. 尋找適合的問題(ISSUE)
2. 在本地端重現問題
3. 用各種方式解決問題並跟reviewers討論
4. 提出Pull Request (你自己用甚麼方式解決這個問題)
5. 跟reviewers討論pull request是否能成功合併或需再修改
6. 成功被merge(貢獻)

尋找適合問題
並且成功重現

尋找適合問題

is:issue state:open label:"good first issue" 🔍 Labels Milestones New issue

Open 10 Closed 31 Author Labels Projects Milestones Assignees Types Newest

- Support speculative decoding in vLLM backend of HuggingFace server good first issue kind/feature
#3800 · terrytangyuan opened on Jul 18, 2024 4
- How to use set REST_V2.value in self.protocol of class Model ? good first issue hacktoberfest2023 kind/bug python
#3009 · Rstar1998 opened on Jun 26, 2023 1 4
- No https url in isvc (kserve) but in ksvc(knative serving is ok) good first issue kserve/control-plane
#2395 · gawsoftpl opened on Aug 23, 2022 3
- Sample doc for custom model server using multi-model serving good first issue hacktoberfest2023 kfserving/mms kind/feature kserve 0.7
#1590 · Aaronchoo opened on May 3, 2021 2
- Sample for XGBoost model server using multi-model serving good first issue kfserving/mms kind/feature
#1589 · Aaronchoo opened on May 3, 2021 1 2
- Multi-model serving e2e test for http/https good first issue help wanted kfserving/mms kind/feature
#1576 · Aaronchoo opened on Apr 30, 2021 2
- Multi-model serving e2e for s3 good first issue help wanted kfserving/mms kind/feature
#1575 · Aaronchoo opened on Apr 30, 2021 4
- Documentation : Minimum Hardware/System requirements area/engprod good first issue kind/feature
#939 · kmr0877 opened on Jul 13, 2020 1
- Set imagePullPolicy=Always for storageInitializer init container area/engprod good first issue help wanted kfserving/storage
#834 · talexander opened on May 19, 2020 7
- TF Serving supports for general collections of metrics. good first issue help wanted kind/feature
#784 · irvifa opened on Apr 17, 2020 6

GIT指令

- GIT CLONE
- GIT CHECKOUT <BRANCH>
- GIT STATUS
- GIT ADD
- GIT COMMIT
- GIT PUSH

問題重現

ImportError: cannot import name 'BentoService' from 'bentoml' (/usr/local/lib/python3.9/dist-packages/bentoml/__init__.py) #3778

New issue



Open



LOADBC opened on Jul 8, 2024 · edited by LOADBC

Edits ...

/kind bug

I was trying out some samples on Predict on an InferenceService using BentoML
<https://github.com/kserve/kserve/tree/master/docs/samples/bentoml>

i installed :-
-pip3 install bentoml scikit-learn
i created :-
-Create the BentoML Service file (iris_classifier.py)

```
from bentoml import env, artifacts, api, BentoService
from bentoml.handlers import DataframeHandler
from bentoml.artifact import SklearnModelArtifact

@env(auto_pip_dependencies=True)
@artifacts([SklearnModelArtifact('model')])
class IrisClassifier(BentoService):

    @api(DataframeHandler)
    def predict(self, df):
        return self.artifacts.model.predict(df)
```



Assignees

No one assigned

Labels

kind/bug

Type

No type

Projects

No projects

Milestone

No milestone

Relationships

None yet

Development

問題重現

-Create the model training and service saving script main.py

```
from sklearn import svm
from sklearn import datasets

from iris_classifier import IrisClassifier

if __name__ == "__main__":
    # Load training data
    iris = datasets.load_iris()
    X, y = iris.data, iris.target

    # Model Training
    clf = svm.SVC(gamma='scale')
    clf.fit(X, y)

    # Create a iris classifier service instance
    iris_classifier_service = IrisClassifier()

    # Pack the newly trained model artifact
    iris_classifier_service.pack('model', clf)

    # Save the prediction service to disk for model serving
    saved_path = iris_classifier_service.save()
```

-then i ran python3 main.py

-but i got this error:-

Traceback (most recent call last):

File "/root/main.py", line 4, in

from iris_classifier import IrisClassifier

File "/root/iris_classifier.py", line 1, in

from bentoml import env, artifacts, api, BentoService

ImportError: cannot import name 'env' from 'bentoml' (/usr/local/lib/python3.9/dist-packages/bentoml/init.py)

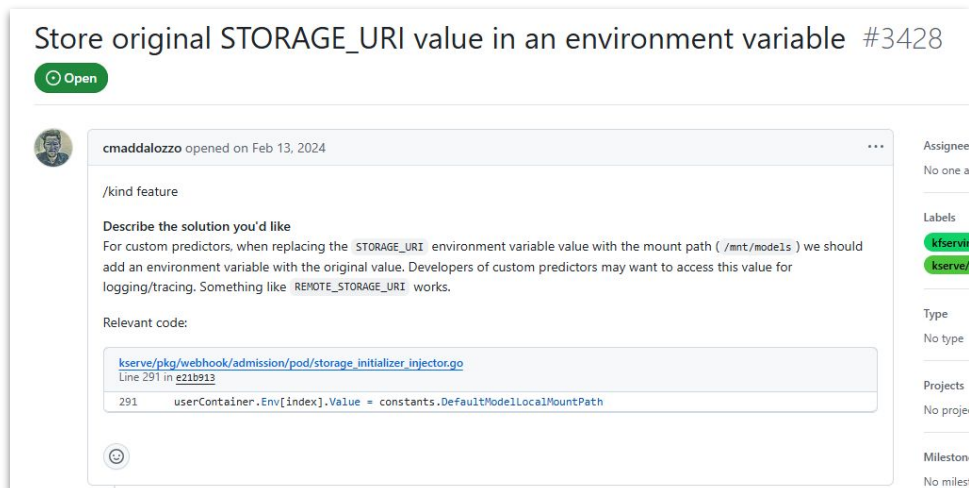
問題重現

Environment:

- KServe Version: 0.11
- Kubeflow version: no
- Kind version: 0.23.0

解決問題
並且提出PR

Issue #3428 : Store original STORAGE_URI value in an environment variable



Issue 介紹：

- STORAGE_URI (環境變數): 告訴 KServe 從哪裡下載模型
- 模型被下載後, KServe 會把這個變數的值換掉, 換成一個本地的路徑
- 希望在 KServe加上一個新的環境變數會保留「原本的路徑值」

Issue #3428 : Store original STORAGE_URI value in an environment variable

storage_initializer_injector.go

- 兩個地方可控制功能
 - 平台預設開關: 整個平台、所有pod預設行為
 - 個別複寫開關: 單一pod可自行決定是否開啟

```
func (mi *StorageInitializerInjector) InjectStorageInitializer(pod *corev1.Pod) error {  
    // Only inject if the required annotations are set  
    srcURI, ok := pod.ObjectMeta.Annotations[constants.StorageInitializerSourceUriInternalAnnotationKey]  
    if !ok {  
        return nil  
    }  
  
    enabledRemoteEnv := mi.config.EnableRemoteStorageEnv  
    if ann, ok := pod.Annotations[EnableRemoteStorageEnvAnnotation]; ok &&  
        strings.ToLower(ann) == "true" {  
        enabledRemoteEnv = true  
    }  
}
```

Issue #3428 : Store original STORAGE_URI value in an environment variable

storage_initializer_injector.go

- 注入環境變數 (在找到container後新增)
 - 只在 enabledRemoteEnv == true 時執行。
 - 保證不重覆注入(利用hasEnv 檢查)。

```
// Find the kserve-container (this is the model inference server) and transformer container and the worker-container
userContainer := getContainerWithName(pod, constants.InferenceServiceContainerName)
transformerContainer := getContainerWithName(pod, constants.TransformerContainerName)
workerContainer := getContainerWithName(pod, constants.WorkerContainerName)

if enabledRemoteEnv && userContainer != nil && !hasEnv(userContainer, RemoteStorageEnvVarName) {
    addOrReplaceEnv(userContainer, RemoteStorageEnvVarName, srcURI)
}
```

Issue #3428 : Store original STORAGE_URI value in an environment variable

- make test 測試已通過

```
ubuntu@cu07:~/kserve$ make test
go fmt ./pkg/... ./cmd/... && cd apext && go fmt ./...
go vet ./pkg/... ./cmd/... && cd apext && go vet ./...
# Copy the cluster role to the helm chart
cp config/rbac/auth_proxy_role.yaml charts/kserve-resources/templates/clusterrole.yaml
cat config/rbac/role.yaml >> charts/kserve-resources/templates/clusterrole.yaml
# Copy the local model role with Helm chart while keeping the Helm template condition
echo '{{- if .Values.kserve.localmodel.enabled }}' > charts/kserve-resources/templates/localmodel/role.yaml
cat config/rbac/localmodel/role.yaml >> charts/kserve-resources/templates/localmodel/role.yaml
# Copy the local model node role with Helm chart while keeping the Helm template condition
echo '{{- if .Values.kserve.localmodel.enabled }}' > charts/kserve-resources/templates/localmodelnode/role.yaml
cat config/rbac/localmodelnode/role.yaml >> charts/kserve-resources/templates/localmodelnode/role.yaml
echo '{{- end }}' >> charts/kserve-resources/templates/localmodelnode/role.yaml
#remove the required property on framework as name field needs to be optional
#Remove ephemeralContainers properties for compress crd size https://github.com/kubeflow/kfserving/pull/1141#issuecomment-714170602
#Knative does not allow setting port on liveness or readiness probe
#With v1 and newer kubernetes protocol requires default
./bin/sh: 1: jq: not found
xargs: warning: options --max-args and --replace/-I/-i are mutually exclusive, ignoring previous --max-args value
./bin/sh: 1: jq: not found
xargs: warning: options --max-args and --replace/-I/-i are mutually exclusive, ignoring previous --max-args value
./bin/sh: 1: jq: not found
xargs: warning: options --max-args and --replace/-I/-i are mutually exclusive, ignoring previous --max-args value
# TODO: Commenting out the following as it produces differences in verify codegen during release process
# Copy the crd to the helm chart
# cp config/crd/full/* charts/kserve-crd/templates
# rm charts/kserve-crd/templates/kustomization.yaml
# Generate minimal crd
./hack/minimal-crd-gen.sh
Creating minimal CRD file: config/crd/minimal/serving.kserve.io_localmodelnodegroups.yaml
Creating minimal CRD file: config/crd/minimal/serving.kserve.io_inferenceservices.yaml
Creating minimal CRD file: config/crd/minimal/serving.kserve.io_localmodelcaches.yaml
Creating minimal CRD file: config/crd/minimal/serving.kserve.io_trainedmodels.yaml
Creating minimal CRD file: config/crd/minimal/serving.kserve.io_clusterservingruntimes.yaml
Creating minimal CRD file: config/crd/minimal/serving.kserve.io_servingruntimes.yaml
Creating minimal CRD file: config/crd/minimal/serving.kserve.io_localmodelnodes.yaml
Creating minimal CRD file: config/crd/minimal/serving.kserve.io_inferencgraphs.yaml
Creating minimal CRD file: config/crd/minimal/serving.kserve.io_clusterstoragecontainers.yaml
kubect1 kustomize config/crd/full > test/crds/serving.kserve.io_inferenceservices.yaml
# Copy the minimal crd to the helm chart
```

```
github.com/kserve/kserve/pkg/controller/v1alpha1/trainedmodel/reconcilers/modelconfig coverage: 0.0% of statements
? github.com/kserve/kserve/pkg/controller/v1alpha1/trainedmodel/sharding [no test files]
github.com/kserve/kserve/pkg/controller/v1alpha1/trainedmodel/sharding/ready coverage: 0.0% of statements
github.com/kserve/kserve/pkg/controller/v1alpha1/utlis coverage: 0.0% of statements
ok github.com/kserve/kserve/pkg/controller/vibetal/inferenceservice 308.059s coverage: 28.1% of statements in ./pkg/...
github.com/kserve/kserve/pkg/controller/vibetal/inferenceservice/components coverage: 0.0% of statements
ok github.com/kserve/kserve/pkg/controller/vibetal/inferenceservice/reconcilers/autoscaler 0.056s coverage: 0.2% of statements in ./pkg/...
ok github.com/kserve/kserve/pkg/controller/vibetal/inferenceservice/reconcilers/cabundleconfigmap 0.030s coverage: 0.2% of statements in ./pkg/...
ok github.com/kserve/kserve/pkg/controller/vibetal/inferenceservice/reconcilers/deployment 0.038s coverage: 1.9% of statements in ./pkg/...
ok github.com/kserve/kserve/pkg/controller/vibetal/inferenceservice/reconcilers/hpa 0.027s coverage: 0.7% of statements in ./pkg/...
ok github.com/kserve/kserve/pkg/controller/vibetal/inferenceservice/reconcilers/ingress 0.037s coverage: 4.7% of statements in ./pkg/...
github.com/kserve/kserve/pkg/controller/vibetal/inferenceservice/reconcilers/keda coverage: 0.0% of statements
github.com/kserve/kserve/pkg/controller/vibetal/inferenceservice/reconcilers/knative coverage: 0.0% of statements
github.com/kserve/kserve/pkg/controller/vibetal/inferenceservice/reconcilers/modelconfig coverage: 0.0% of statements
github.com/kserve/kserve/pkg/controller/vibetal/inferenceservice/reconcilers/otel coverage: 0.0% of statements
github.com/kserve/kserve/pkg/controller/vibetal/inferenceservice/reconcilers/raw coverage: 0.0% of statements
ok github.com/kserve/kserve/pkg/controller/vibetal/inferenceservice/reconcilers/service 0.030s coverage: 0.6% of statements in ./pkg/...
ok github.com/kserve/kserve/pkg/controller/vibetal/inferenceservice/utlis 0.044s coverage: 4.2% of statements in ./pkg/...
ok github.com/kserve/kserve/pkg/credentials 4.500s coverage: 2.2% of statements in ./pkg/...
ok github.com/kserve/kserve/pkg/credentials/azure 0.018s coverage: 0.1% of statements in ./pkg/...
ok github.com/kserve/kserve/pkg/credentials/gcs 0.015s coverage: 0.0% of statements in ./pkg/...
ok github.com/kserve/kserve/pkg/credentials/hdfs 0.013s coverage: 0.0% of statements in ./pkg/...
github.com/kserve/kserve/pkg/credentials/hf coverage: 0.0% of statements
ok github.com/kserve/kserve/pkg/credentials/https 0.013s coverage: 0.1% of statements in ./pkg/...
ok github.com/kserve/kserve/pkg/credentials/s3 0.016s coverage: 0.7% of statements in ./pkg/...
ok github.com/kserve/kserve/pkg/logger 0.042s coverage: 1.1% of statements in ./pkg/...
ok github.com/kserve/kserve/pkg/modelconfig 0.042s coverage: 0.0% of statements in ./pkg/...
github.com/kserve/kserve/pkg/openapi coverage: 0.0% of statements
github.com/kserve/kserve/pkg/testing coverage: 0.0% of statements
ok github.com/kserve/kserve/pkg/utlis 0.015s coverage: 1.6% of statements in ./pkg/...
ok github.com/kserve/kserve/pkg/webhook/admission/localmodelcache 0.042s coverage: 2.0% of statements in ./pkg/...
ok github.com/kserve/kserve/pkg/webhook/admission/pod 6.196s coverage: 0.0% of statements in ./pkg/...
ok github.com/kserve/kserve/pkg/webhook/admission/servingruntime 0.037s coverage: 1.0% of statements in ./pkg/...
? github.com/kserve/kserve/cmd/agent [no test files]
? github.com/kserve/kserve/cmd/crd-gen [no test files]
? github.com/kserve/kserve/cmd/localmodel [no test files]
? github.com/kserve/kserve/cmd/localmodelnode [no test files]
ok github.com/kserve/kserve/cmd/manager 0.034s coverage: 0.2% of statements in ./pkg/...
ok github.com/kserve/kserve/cmd/router 0.029s coverage: 0.2% of statements in ./pkg/...
? github.com/kserve/kserve/cmd/spec-gen [no test files]
ubuntu@cu07:~/kserve$
```


Issue #3428 : Store original STORAGE_URI value in an environment variable

- 提出PR

feat: support remote storage URI injection for serving runtimes #4492

Open

 de0725 wants to merge 2 commits into [kserve:master](#) from [de0725:feature/storage-uri-revamp](#)

Conversation 0

Commits 2

Checks 1

Files changed 3

+217 -0

de0725 commented yesterday

What this PR does / why we need it:

1. Injects REMOTE_STORAGE_URI= into the main user container.
2. Respects both storageSpec-based and PVC-based source URIs.
3. Adds corresponding unit tests to ensure correctness and backward compatibility.

[REMOTE_STORAGE_URI Usage and Testing Guide \(1\).docx](#)

Which issue(s) this PR fixes (optional, in `fixes #issue number>()` format, will close the issue(s) when PR gets merged):

Fixes [#3428](#)

Type of changes

Please delete options that are not relevant.

- ☐ Bug fix (non-breaking change which fixes an issue)
- ☒ New feature (non-breaking change which adds functionality)
- ☐ Breaking change (fix or feature that would cause existing functionality to not work as expected)
- ☐ This change requires a documentation update

Feature/Issue validation/testing:

Added unit test: TestRemoteStorageUriEnvInjection

Verified behavior under both ConfigMap and Annotation-based configurations

Ran make test, all unit tests passed

Please describe the tests that you ran to verify your changes and relevant result summary. Provide instructions so it can be reproduced.

Please also list any relevant details for your test configuration.

Reviewers

No reviews

Assignees

No one assigned

Labels

None yet

Projects

None yet

Milestone

No milestone

Development

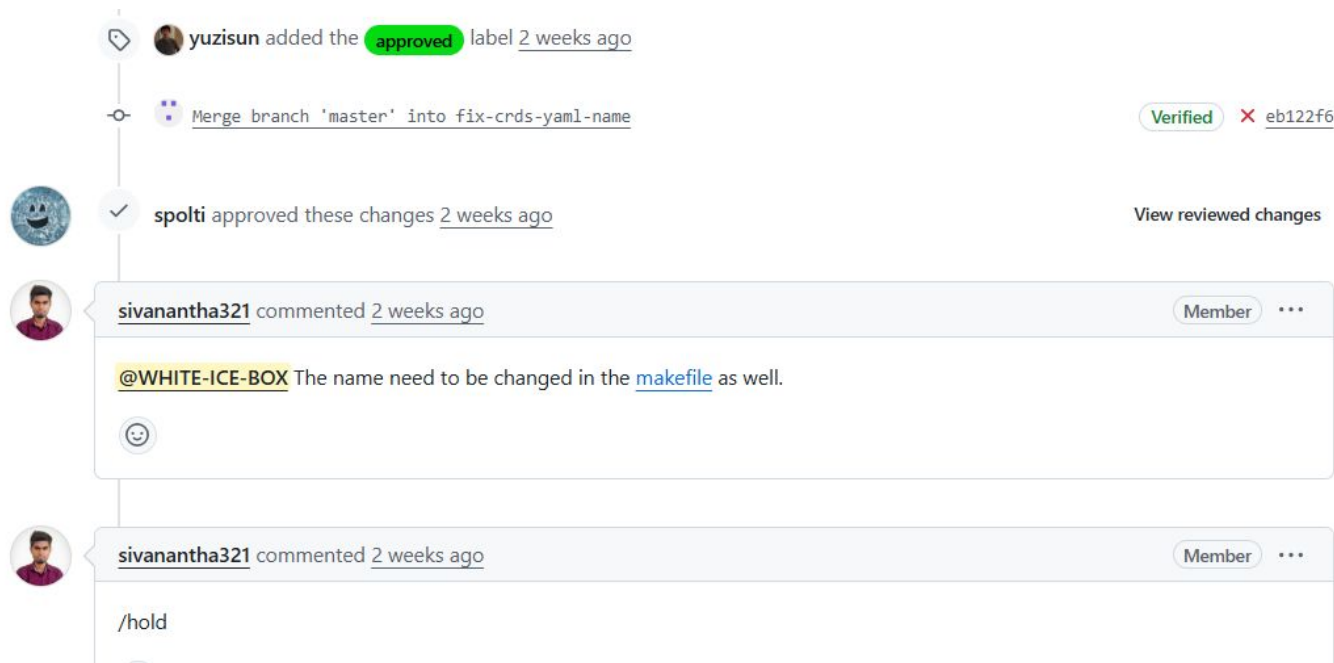
Successfully merging this pull request may close these issues.

☒ Store original STORAGE_URI value in an environ...

1 participant

討論PR可行性 並且成功被MERGE

Rename CRD file to reflect all KServe CRDs (Fixes #4396) #4494



The image shows a GitHub pull request interface for PR #4494. At the top, a commit by **yuzisun** is shown with the message "Merge branch 'master' into fix-crds-yaml-name" and a green "approved" label. To the right of the commit message are the labels "Verified" and "eb122f6". Below the commit, a checkmark icon indicates that **spolti** approved the changes. To the right of this is a link "View reviewed changes". Below the approval, a comment by **sivanantha321** is shown. The comment text is "@WHITE-ICE-BOX The name need to be changed in the [makefile](#) as well." and it includes a smiley face emoji. To the right of the comment is a "Member" label and a three-dot menu. Below the comment, another comment by **sivanantha321** is shown with the text "/hold". To the right of this comment is also a "Member" label and a three-dot menu.

yuzisun added the **approved** label 2 weeks ago

Merge branch 'master' into fix-crds-yaml-name **Verified** **eb122f6**

✓ **spolti** approved these changes 2 weeks ago [View reviewed changes](#)

sivanantha321 commented 2 weeks ago **Member** ...

@WHITE-ICE-BOX The name need to be changed in the [makefile](#) as well.

😊

sivanantha321 commented 2 weeks ago **Member** ...

/hold

Rename CRD file to reflect all KServe CRDs (Fixes #4396) #4494



github-actions bot approved these changes [last week](#)

[View reviewed changes](#)



 sivanantha321 merged commit 78407ba into [kserve:master](#) [last week](#)
65 checks passed

[View details](#)

[Revert](#)



Pull request successfully merged and closed

[Delete branch](#)

You're all set — the [fix-crds-yaml-name](#) branch can be safely deleted. If you wish, you can also delete this fork of kserve/kserve in the [settings](#).

Rename CRD file to reflect all KServe CRDs (Fixes #4396) #4494

Rename CRD file to reflect all KServe CRDs (Fixes #4396) #4494

Edit <> Code

Merged

sivanantha321 merged 4 commits into `kserve:master` from `WHITE-ICE-BOX:fix-crds-yaml-name` last week

Conversation 7

Commits 4

Checks 65

Files changed 2

+1 -1



WHITE-ICE-BOX commented 2 weeks ago

Contributor

What this PR does / why we need it:

This PR renames the following test CRD file:

```
test/crds/serving.kserve.io_inferenceservices.yaml  
→  
test/crds/serving.kserve.io_all_crds.yaml
```

The original file contains **all** CRDs used in KServe (including InferenceService, ClusterServingRuntime, InferenceGraph, etc.), not just InferenceService.

Renaming helps avoid confusion and improves clarity.

No functional changes are made.

Which issue(s) this PR fixes:

Fixes [#4396](#)

Reviewers

spolti



github-actions[bot]



Assignees

No one assigned

Labels

approved

lgtn

Projects

None yet

QNA

為什麼要貢獻？

- 學技術，練 Git
- 建立個人作品集
- 跟世界各地的高手合作