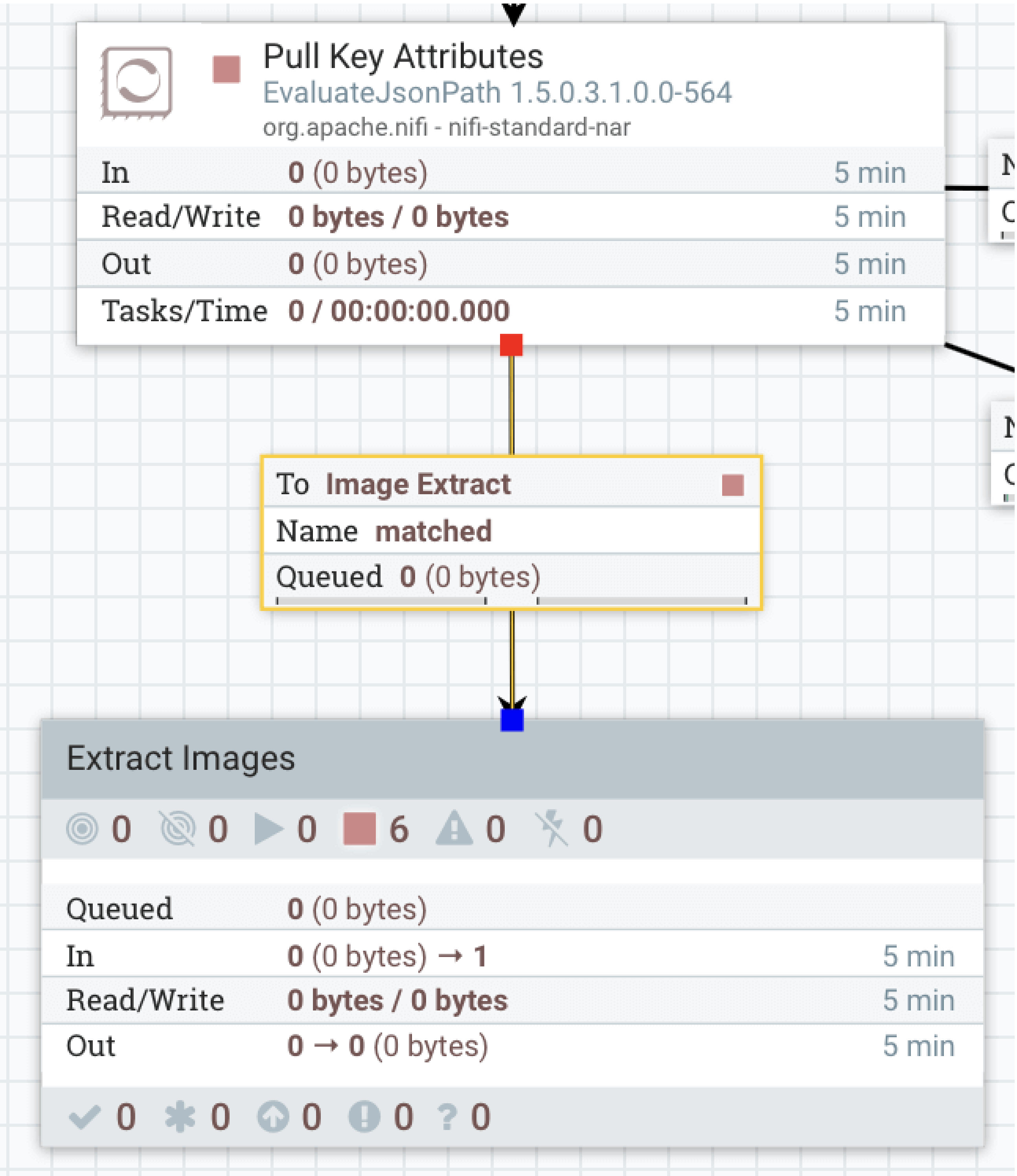
FlashBlade □□□□□□□□□□□□□□ AI □ □□□□□□□□□□□□□□□□□



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[illegible]

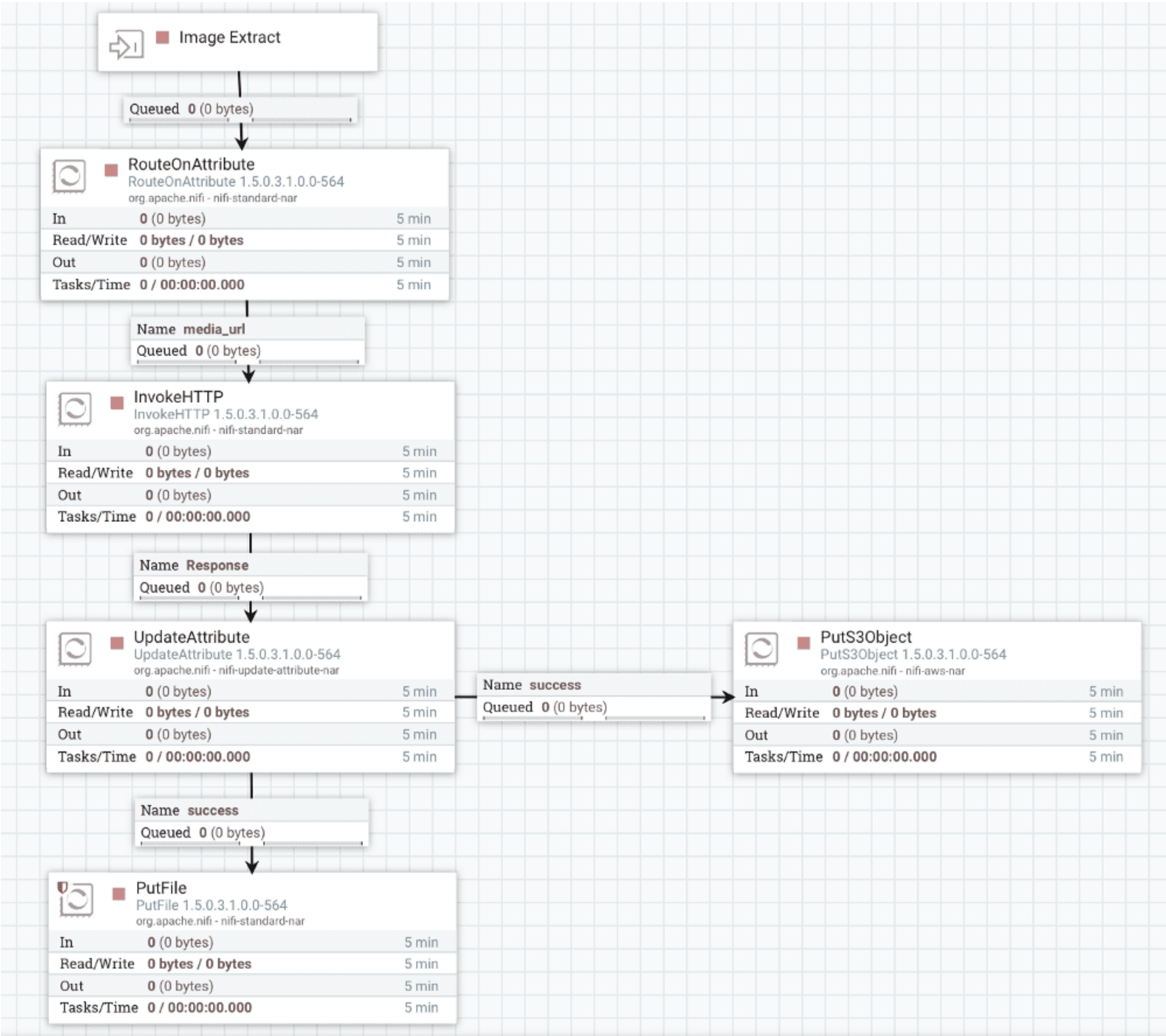
[illegible] AI [illegible] YOLO[illegible]You Only Look Once[illegible]YOLO [illegible]

[illegible]

1. [illegible]
2. [illegible]
3. [illegible]
4. [illegible]
5. [illegible]

[illegible]

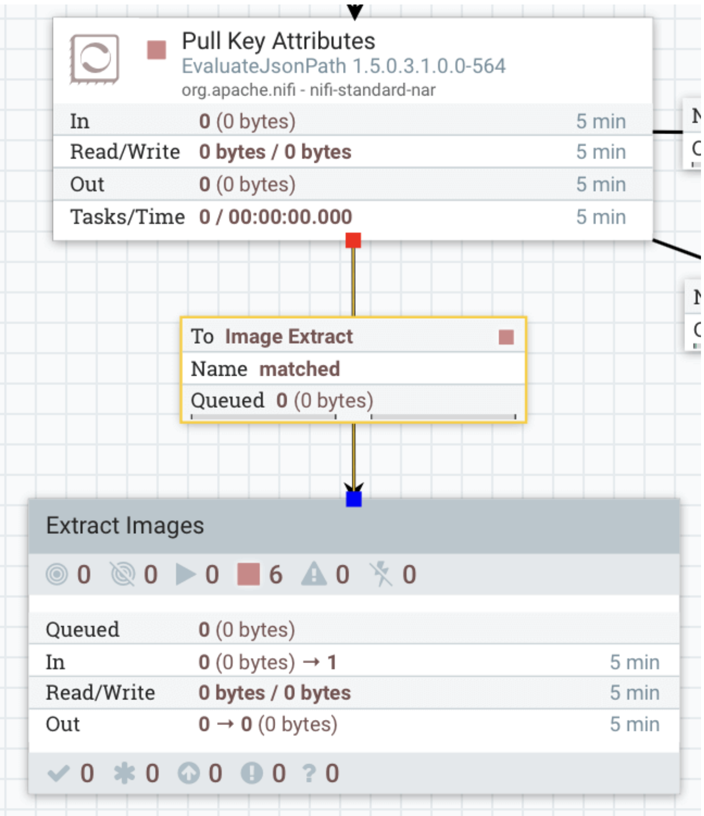
[illegible] Apache NiFi [illegible] Twitter API [illegible]



[illegible] 1[illegible]NiFi [illegible]

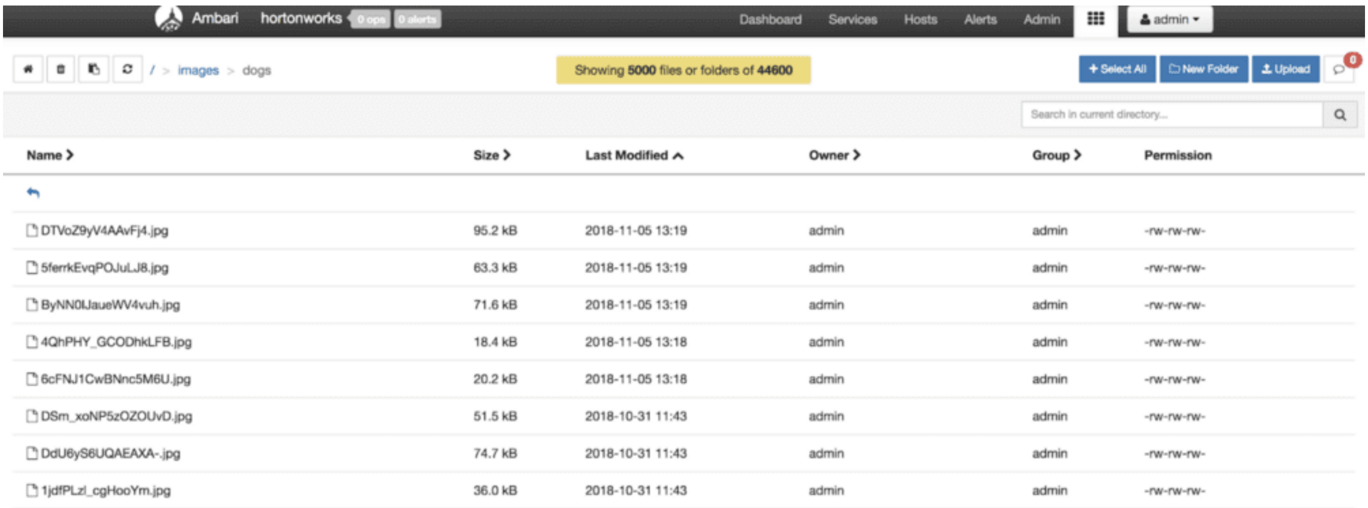
[illegible]NiFi [illegible] HTTP [illegible]FlashBlade NFS [illegible] S3 [illegible]

NiFi UI [illegible] Extract Images [illegible] Pull Key Attributes [illegible] Extract Images [illegible]matched[illegible]



□ 2□Extract Images □□□□□□□□□□□□□□□

□□□□□□□□□□NiFi □□□□□□□□□□□□□FlashBlade NFS □□□□□□ S3 □□ Apache Ambari □□ S3 Viewer □□□□□□

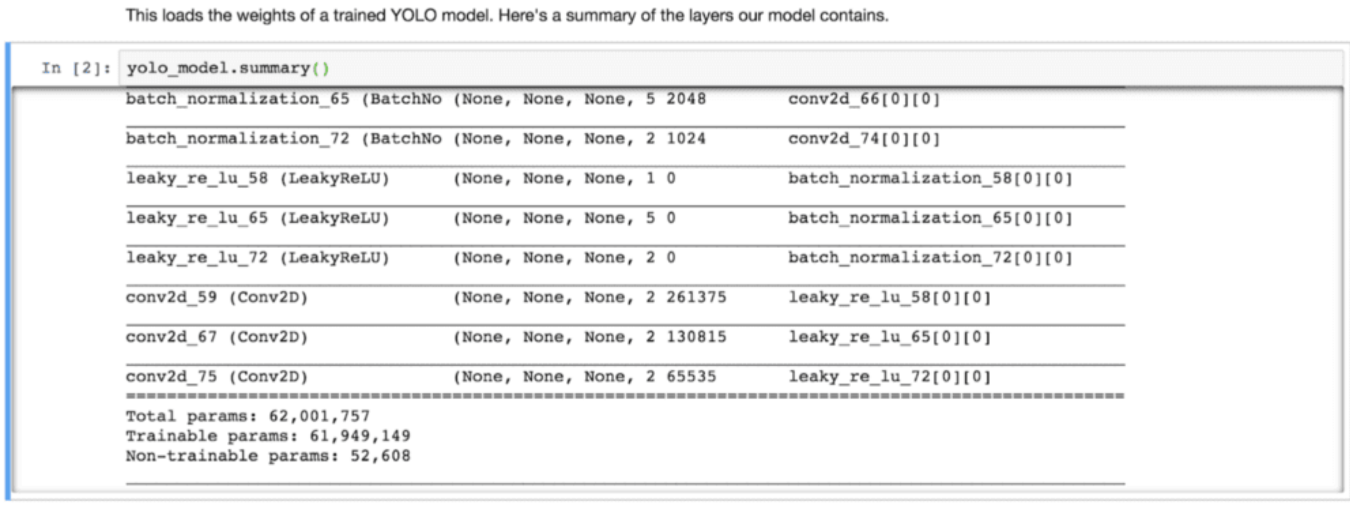


□ 3□Ambari □ S3 Viewer

[illegible]

[illegible]YOLO [illegible]

YOLO [illegible]Jupyter [illegible] YOLO [illegible]
[crayon-6424c64a9f96e889660740/]


This loads the weights of a trained YOLO model. Here's a summary of the layers our model contains.

```
In [2]: yolo_model.summary()

batch_normalization_65 (BatchNo (None, None, None, 5 2048        conv2d_66[0][0]
batch_normalization_72 (BatchNo (None, None, None, 2 1024        conv2d_74[0][0]
leaky_re_lu_58 (LeakyReLU)      (None, None, None, 1 0           batch_normalization_58[0][0]
leaky_re_lu_65 (LeakyReLU)      (None, None, None, 5 0           batch_normalization_65[0][0]
leaky_re_lu_72 (LeakyReLU)      (None, None, None, 2 0           batch_normalization_72[0][0]
conv2d_59 (Conv2D)              (None, None, None, 2 261375      leaky_re_lu_58[0][0]
conv2d_67 (Conv2D)              (None, None, None, 2 130815      leaky_re_lu_65[0][0]
conv2d_75 (Conv2D)              (None, None, None, 2 65535       leaky_re_lu_72[0][0]
==================================================================================================
Total params: 62,001,757
Trainable params: 61,949,149
Non-trainable params: 52,608
```

[illegible] 4[illegible]YOLO [illegible]

[illegible]6,200[illegible] GPU [illegible] I/O [illegible] FlashBlade [illegible]

[illegible]

[illegible] REST API [illegible] API [illegible]

REST API [illegible]

Python [illegible]YOLO [illegible] HTTP [illegible]

[crayon-6424c64a9f978019509656/]
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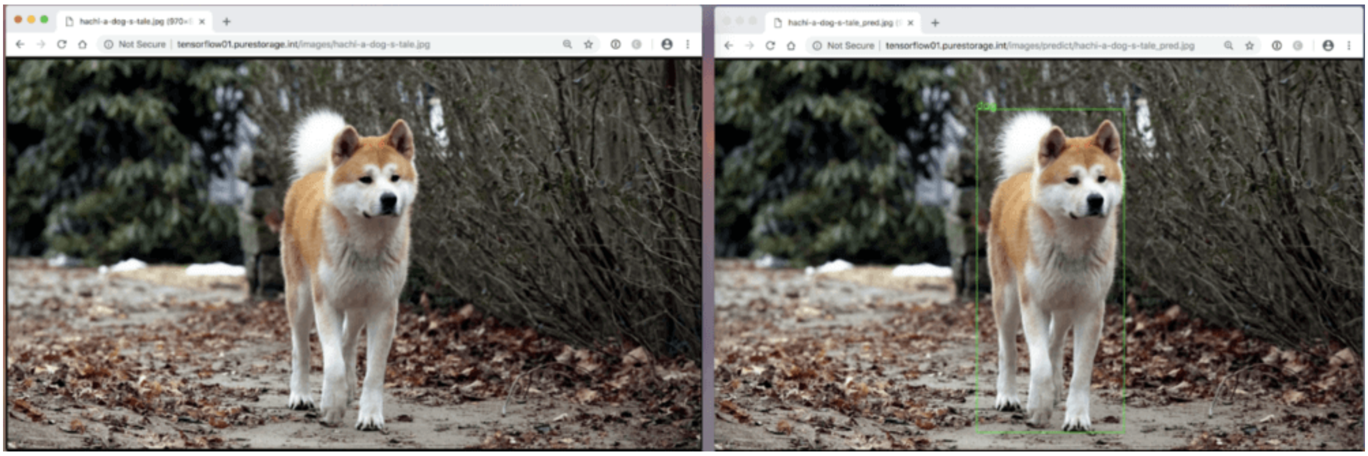
API [illegible] 98[illegible] [illegible]5[illegible]



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Raspberry Pi □□□Intel Neural Compute Stick 2 □ Google Edge Tensor Processing Unit□□□

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