```
                              • MobaXterm 10.9 •
                 (SSH client, X-server and networking tools)

        → SSH session to pi@192.168.178.25
           • SSH compression : v
           • SSH-browser      : v
           • X11-forwarding   : v  (remote display is forwarded through SSH)
           • DISPLAY          : v  (automatically set on remote server)

        → For more info, ctrl+click on help or visit our website


Linux SFS-1 4.14.79-v7+ #1159 SMP Sun Nov 4 17:50:20 GMT 2018 armv7l


The programs included with the Debian GNU/Linux system are free software;
the exact distribution terms for each program are described in the
individual files in /usr/share/doc/*/copyright.

Debian GNU/Linux comes with ABSOLUTELY NO WARRANTY, to the extent
permitted by applicable law.
Last login: Wed Jan 23 17:12:11 2019 from 192.168.1.50
-bash: /home/pi/ansible/hacking/env-setup: No such file or directory
pi@SFS-1:~ $ ls
cpuburn-a53    data      Documents  grafana-5.3.4                      MagPi  ncsdk
opencv-3.3.0          opencv_contrib.zip  Pictures    prometheus-2.4.3.linux-armv7
Public        Templates         Videos
cpuburn-a53.S  Desktop  Downloads  grafana-5.3.4.linux-armv7.tar.gz  Music
oldconffiles  opencv_contrib-3.3.0  opencv.zip         prometheus
prometheus-2.4.3.linux-armv7.tar.gz  python_games  thinclient_drives
pi@SFS-1:~ $ cd ncsdk
pi@SFS-1:~/ncsdk $ cd examples
pi@SFS-1:~/ncsdk/examples $ cd tensorflow
pi@SFS-1:~/ncsdk/examples/tensorflow $ make check
make -C inception_v3/. check
make[1]: Entering directory '/home/pi/ncsdk/examples/tensorflow/inception_v3'
test -f output/inception-v3.meta || ((wget
http://download.tensorflow.org/models/inception_v3_2016_08_28.tar.gz && tar zxf
inception_v3_2016_08_28.tar.gz && rm inception_v3_2016_08_28.tar.gz) &&
./inception-v3.py)
mvNCCheck --new-parser -s 4 output/inception-v3.meta -in=input
-on=InceptionV3/Predictions/Reshape_1 -i ../../data/images/cat.jpg -metric top1 -cs 0,1,2
/usr/lib/python3/dist-packages/scipy/_lib/_numpy_compat.py:10: DeprecationWarning:
Importing from numpy.testing.nosetester is deprecated, import from numpy.testing instead.
  from numpy.testing.nosetester import import_nose
/usr/lib/python3/dist-packages/scipy/stats/morestats.py:16: DeprecationWarning:
Importing from numpy.testing.decorators is deprecated, import from numpy.testing instead.
  from numpy.testing.decorators import setastest
/usr/lib/python3.5/importlib/_bootstrap.py:222: RuntimeWarning: compiletime version 3.4
of module 'tensorflow.python.framework.fast_tensor_util' does not match runtime version
3.5
  return f(*args, **kwds)
/usr/lib/python3.5/importlib/_bootstrap.py:222: RuntimeWarning: builtins.type size
changed, may indicate binary incompatibility. Expected 432, got 412
  return f(*args, **kwds)
/usr/local/bin/ncsdk/Controllers/Parsers/TensorFlowParser/Convolution.py:46:
SyntaxWarning: assertion is always true, perhaps remove parentheses?
  assert(False, "Layer type not supported by Convolution: " + obj.type)
/usr/local/bin/ncsdk/Controllers/Parsers/Phases.py:322: SyntaxWarning: assertion is
always true, perhaps remove parentheses?
  assert(len(pred) == 1, "Slice not supported to have >1 predecessors")
mvNCCheck v02.00, Copyright @ Intel Corporation 2017
```

```
****** Info: No Weights provided. inferred path:
output/inception-v3.data-00000-of-00001******
output/inception-v3.meta
output tensor shape (1, 1, 1, 1001)
/usr/local/lib/python3.5/dist-packages/skimage/io/_io.py:49: UserWarning: `as_grey` has
been deprecated in favor of `as_gray`
/usr/local/lib/python3.5/dist-packages/skimage/transform/_warps.py:105: UserWarning:
The default mode, 'constant', will be changed to 'reflect' in skimage 0.15.
/usr/local/lib/python3.5/dist-packages/skimage/transform/_warps.py:110: UserWarning:
Anti-aliasing will be enabled by default in skimage 0.15 to avoid aliasing artifacts when
down-sampling images.
Fusing DeptwiseConv + Pointwise Convolution into plain Convolution
Fusing Add and Batch after Convolution
Fusing Pad and Convolution2D
Fusing BatchNorm and Scale after Convolution
Replacing BN with Bias&Scale
Fusing Permute and Flatten
Fusing Eltwise and Relu
Eliminate layers that have been parsed as NoOp
Evaluating input and weigths for each hw layer
------------------------------------


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# Network Input tensors ['input:0#327']
# Network Output tensors ['InceptionV3/Predictions/Reshape_1:0#653']
Blob generated
USB: Transferring Data...
/usr/local/lib/python3.5/dist-packages/mvnc/mvncapi.py:418: DeprecationWarning: The
binary mode of fromstring is deprecated, as it behaves surprisingly on unicode inputs. Use
frombuffer instead
USB: Myriad Execution Finished
Output is in Channel Minor format
USB: Myriad Connection Closing.
USB: Myriad Connection Closed.

Result: Validation Pass

Result:  (1, 1001, 1, 1)
1) 282 0.555
Expected:  (1, 1001, 1, 1)
1) 282 0.5570575
------------------------------------------------------------
 Obtained values
------------------------------------------------------------
 Obtained Min Pixel Accuracy: 1.3700992800295353% (max allowed=2%), Pass
 Obtained Average Pixel Accuracy: 0.0049697897338774055% (max allowed=1%), Pass
 Obtained Percentage of wrong values: 0.0% (max allowed=0%), Pass
 Obtained Pixel-wise L2 error: 0.04513529094871169% (max allowed=1%), Pass
 Obtained Global Sum Difference: 0.027712270617485046
------------------------------------------------------------
make[1]: Leaving directory '/home/pi/ncsdk/examples/tensorflow/inception_v3'
make -C inception_v1/. check
make[1]: Entering directory '/home/pi/ncsdk/examples/tensorflow/inception_v1'
test -f output/inception-v1.meta || ((wget
http://download.tensorflow.org/models/inception_v1_2016_08_28.tar.gz && tar zxf
inception_v1_2016_08_28.tar.gz && rm inception_v1_2016_08_28.tar.gz) &&
./inception-v1.py)
mvNCCheck --new-parser -s 12 output/inception-v1.meta -in=input
-on=InceptionV1/Logits/Predictions/Reshape_1 -i ../../data/images/cat.jpg -metric top1
-cs 2,1,0
/usr/lib/python3/dist-packages/scipy/_lib/_numpy_compat.py:10: DeprecationWarning:
```

```
Importing from numpy.testing.nosetester is deprecated, import from numpy.testing instead.
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of module 'tensorflow.python.framework.fast_tensor_util' does not match runtime version
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  return f(*args, **kwds)
/usr/lib/python3.5/importlib/_bootstrap.py:222: RuntimeWarning: builtins.type size
changed, may indicate binary incompatibility. Expected 432, got 412
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always true, perhaps remove parentheses?
  assert(len(pred) == 1, "Slice not supported to have >1 predecessors")
```
mvNCCheck v02.00, Copyright @ Intel Corporation 2017

****** Info: No Weights provided. inferred path:
output/inception-v1.data-00000-of-00001******
```
output/inception-v1.meta
output tensor shape (1, 1, 1, 1001)
/usr/local/lib/python3.5/dist-packages/skimage/io/_io.py:49: UserWarning: `as_grey` has
been deprecated in favor of `as_gray`
/usr/local/lib/python3.5/dist-packages/skimage/transform/_warps.py:105: UserWarning:
The default mode, 'constant', will be changed to 'reflect' in skimage 0.15.
/usr/local/lib/python3.5/dist-packages/skimage/transform/_warps.py:110: UserWarning:
Anti-aliasing will be enabled by default in skimage 0.15 to avoid aliasing artifacts when
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Fusing DeptwiseConv + Pointwise Convolution into plain Convolution
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Fusing Eltwise and Relu
Eliminate layers that have been parsed as NoOp
Evaluating input and weigths for each hw layer
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# Network Input tensors ['input:0#201']
# Network Output tensors ['InceptionV1/Logits/Predictions/Reshape_1:0#401']
Blob generated
USB: Transferring Data...
/usr/local/lib/python3.5/dist-packages/mvnc/mvncapi.py:418: DeprecationWarning: The
binary mode of fromstring is deprecated, as it behaves surprisingly on unicode inputs. Use
frombuffer instead
USB: Myriad Execution Finished
Output is in Channel Minor format
USB: Myriad Connection Closing.
USB: Myriad Connection Closed.


Result: Validation Fail

Result:  (1, 1001, 1, 1)
1) 286 0.2563
Expected:  (1, 1001, 1, 1)
1) 282 0.25380206
```

```
-----------------------------------------------------------
 Obtained values
-----------------------------------------------------------
 Obtained Min Pixel Accuracy: 48.19989800453186% (max allowed=2%), Fail
 Obtained Average Pixel Accuracy: 0.22607718128710985% (max allowed=1%), Pass
 Obtained Percentage of wrong values: 0.8991008991008992% (max allowed=0%), Fail
 Obtained Pixel-wise L2 error: 1.90526496591879% (max allowed=1%), Fail
 Obtained Global Sum Difference: 0.5743623375892639
-----------------------------------------------------------
Makefile:53: recipe for target 'check' failed
make[1]: *** [check] Error 1
make[1]: Leaving directory '/home/pi/ncsdk/examples/tensorflow/inception_v1'
Makefile:12: recipe for target 'inception_v1/.' failed
make: *** [inception_v1/.] Error 2
pi@SFS-1:~/ncsdk/examples/tensorflow $
```