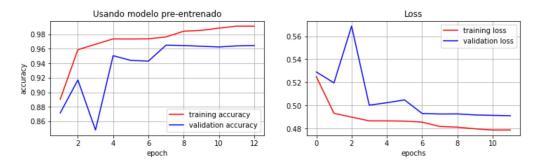
```
Imagenes entrenamiento originales: 8000
Imagenes entrenamiento con augmentation: 8000
Entrenamiento: Imágenes con tatuajes: 4596 sin: 3404 total imágenes de train: 8000
Validación: Imágenes con tatuajes: 1149 sin: 851 total imágenes de validate: 2000
Test: Imágenes con tatuajes: 1149 sin: 851 total imágenes de test: 2000
Downloading data from https://storage.googleapis.com/tensorflow/keras-applications/mobilenet v2/mobilenet v2 weights tf dim ordering tf kernels 1.0 224 no top.h5
Entrenando sin augmentation
Epoch 1/30
250/250 [=========== - 39s 154ms/step - loss: 0.5249 - accuracy: 0.8904 - val loss: 0.5290 - val accuracy: 0.8715 - lr: 1.0000e-04
Epoch 2/30
250/250 [=========== - 38s 151ms/step - loss: 0.4931 - accuracy: 0.9588 - val loss: 0.5195 - val accuracy: 0.9170 - lr: 1.0000e-04
250/250 [===========] - 38s 153ms/step - loss: 0.4898 - accuracy: 0.9663 - val loss: 0.5688 - val accuracy: 0.8480 - lr: 1.0000e-04
250/250 [=========== ] - 39s 155ms/step - loss: 0.4866 - accuracy: 0.9736 - val loss: 0.5002 - val accuracy: 0.9505 - lr: 1.0000e-04
Epoch 5/30
250/250 [============ ] - 38s 153ms/step - loss: 0.4865 - accuracy: 0.9735 - val loss: 0.5023 - val accuracy: 0.9440 - lr: 1.0000e-04
Epoch 6/30
250/250 [=========== ] - 37s 148ms/step - loss: 0.4864 - accuracy: 0.9737 - val loss: 0.5048 - val accuracy: 0.9430 - lr: 1.0000e-04
Epoch 7/30
Epoch 00007: ReduceLROnPlateau reducing learning rate to 2.499999936844688e-05.
250/250 [===========] - 37s 148ms/step - loss: 0.4855 - accuracy: 0.9764 - val loss: 0.4930 - val accuracy: 0.9650 - lr: 1.0000e-04
Epoch 8/30
250/250 [=========== ] - 38s 152ms/step - loss: 0.4817 - accuracy: 0.9843 - val loss: 0.4925 - val accuracy: 0.9645 - lr: 2.5000e-05
Epoch 9/30
250/250 [=========== ] - 39s 156ms/step - loss: 0.4811 - accuracy: 0.9854 - val loss: 0.4926 - val accuracy: 0.9635 - lr: 2.5000e-05
Epoch 10/30
Epoch 00010: ReduceLROnPlateau reducing learning rate to 6.24999984211172e-06.
250/250 [=========== - 39s 156ms/step - loss: 0.4797 - accuracy: 0.9885 - val loss: 0.4917 - val accuracy: 0.9625 - lr: 2.5000e-05
250/250 [===========] - 38s 152ms/step - loss: 0.4786 - accuracy: 0.9912 - val loss: 0.4913 - val accuracy: 0.9640 - lr: 6.2500e-06
Epoch 12/30
250/250 [=========== ] - 39s 156ms/step - loss: 0.4787 - accuracy: 0.9911 - val loss: 0.4910 - val accuracy: 0.9645 - lr: 6.2500e-06
Epoch 00012: early stopping
           Usando modelo pre-entrenado
                                                            - training loss
  0.98
                                      0.56
                                                            validation loss
  0.96
                                      0.54
0.94 ج
 0.92
                                      0.52
ğ 0.90
                                      0.50
  0.88
                     - training accuracy
  0.86

    validation accuracy

                  epoch
```

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Evaluando modelo ...

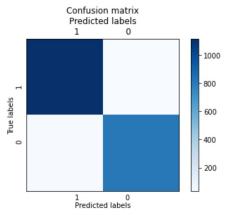
63/63 [===========] - 1s 23ms/step

Classification Report

	precision	recall	f1-score	support
0	0.96	0.96	0.96	851
1	0.97	0.97	0.97	1149
accuracy			0.96	2000
macro avg	0.96	0.96	0.96	2000
weighted avg	0.96	0.96	0.96	2000

Matriz de confusión

prediction	1	(
label		
1	1117	32
0	3.8	811



Saved model to disk at 20200627-17:36-

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