Findings

Using hashed payload is not worth it. Information is lost. There is a significant drop in accuracy.

LSTM splitt using rounded-down cut TRAINING

model = keras.Sequential([  
 keras.layers.Dense(65),  
 keras.layers.LSTM(512),  
 keras.layers.Dense(2, activation=tf.nn.softmax)  
])  
model.compile(optimizer=keras.optimizers.RMSprop(lr=0.05),  
 loss='sparse\_categorical\_crossentropy',  
 metrics=['accuracy'])  
  
model.fit(trainingdata[0], trainingdata[1], epochs=100)

900/900 [==============================] - 41s 46ms/sample - loss: 0.4077 - acc: 0.9267

Good: 739, Bad: 161