





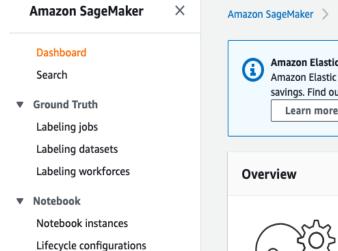
Find Services

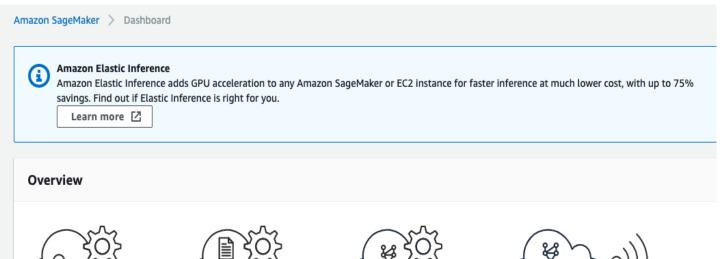
You can enter names, keywords or acronyms.



Amazon SageMaker

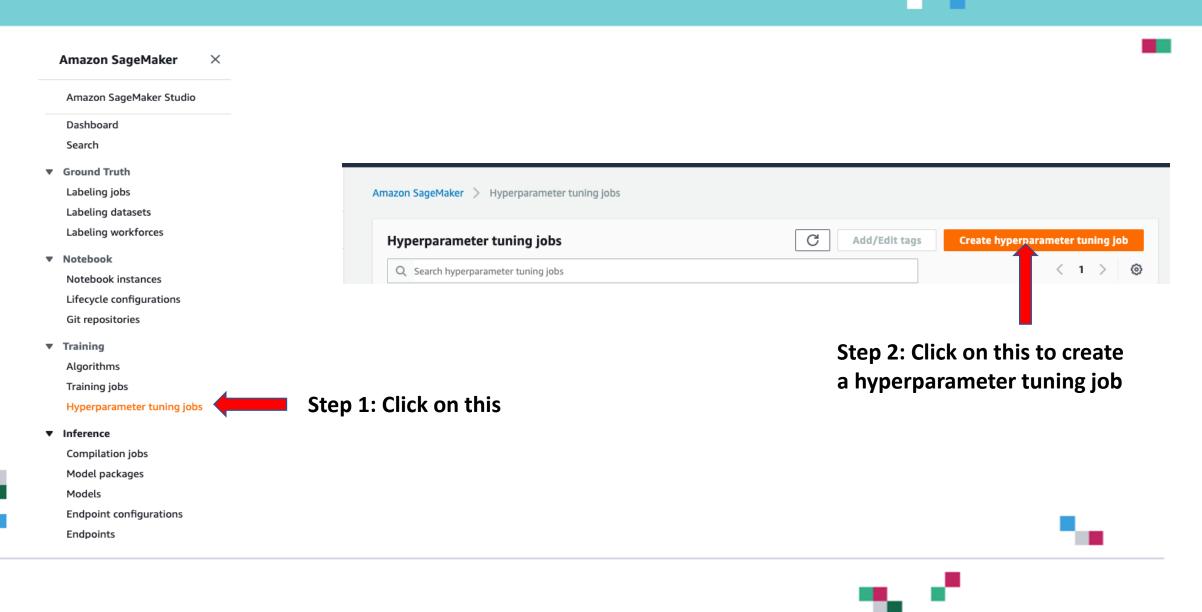
Build, Train, and Deploy Machine Learning Models

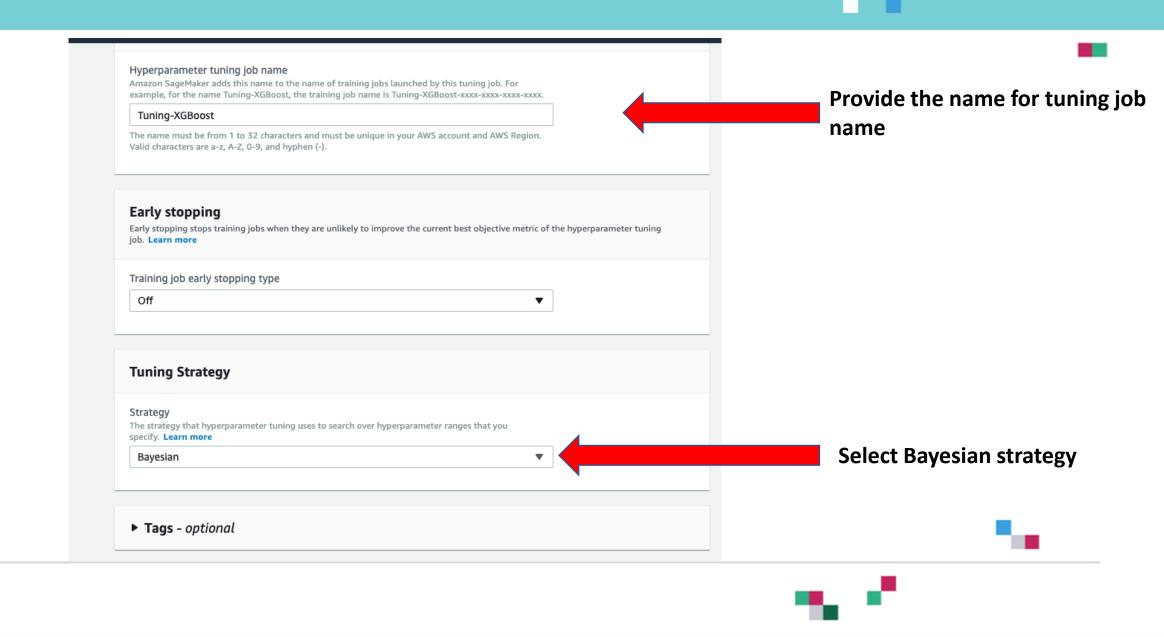


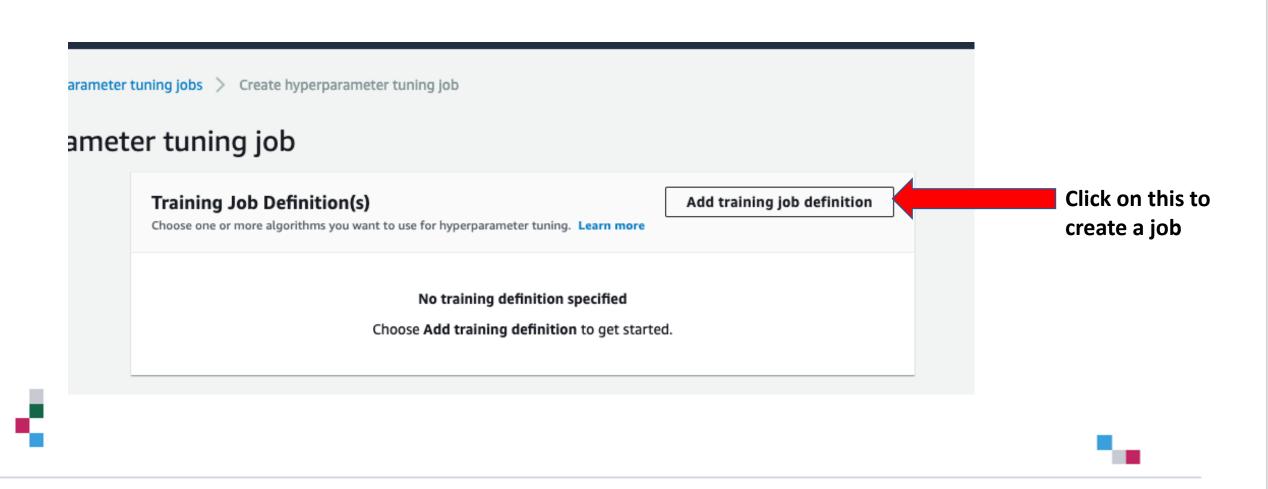


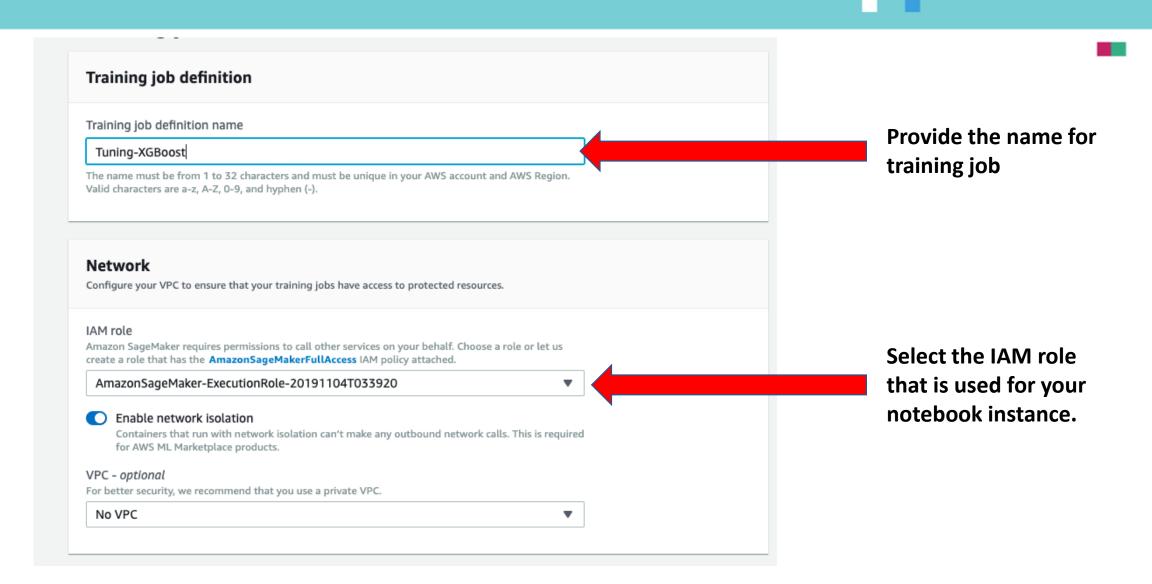


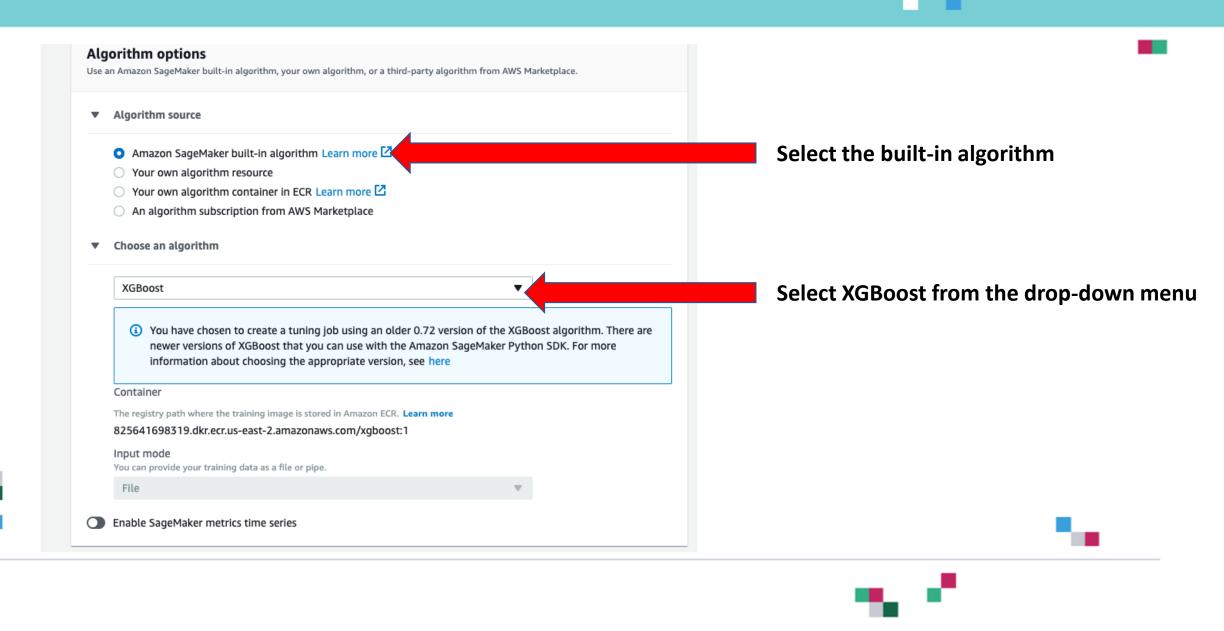
×

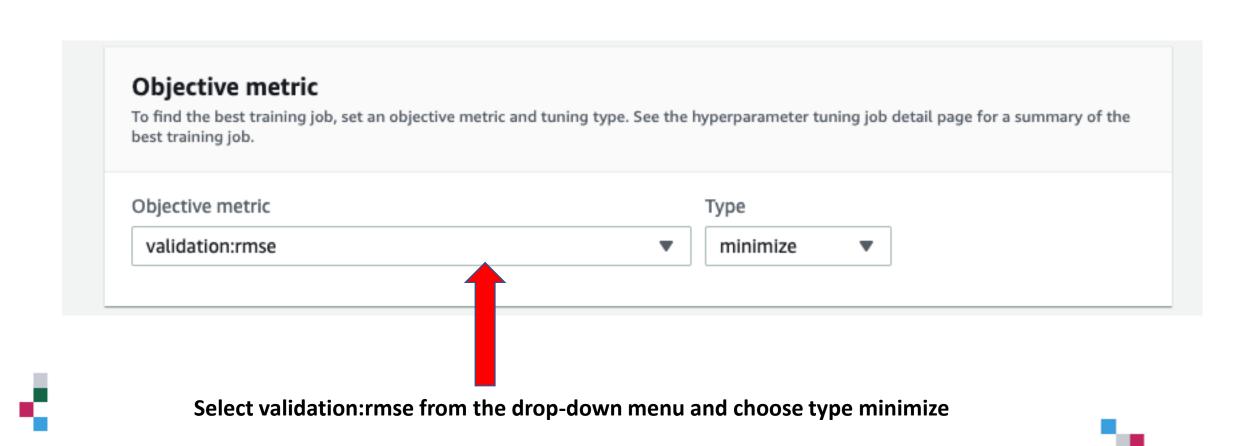


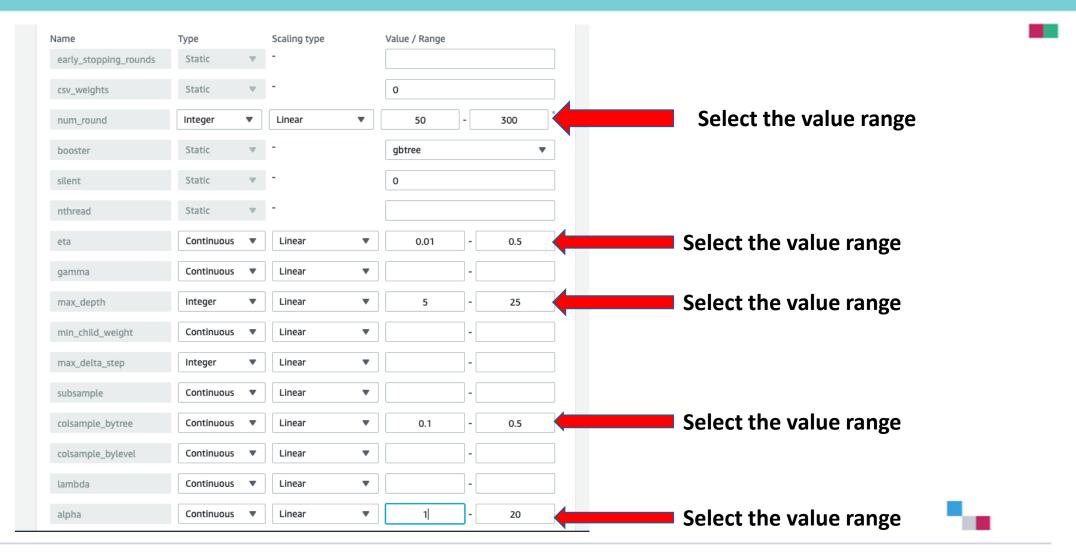






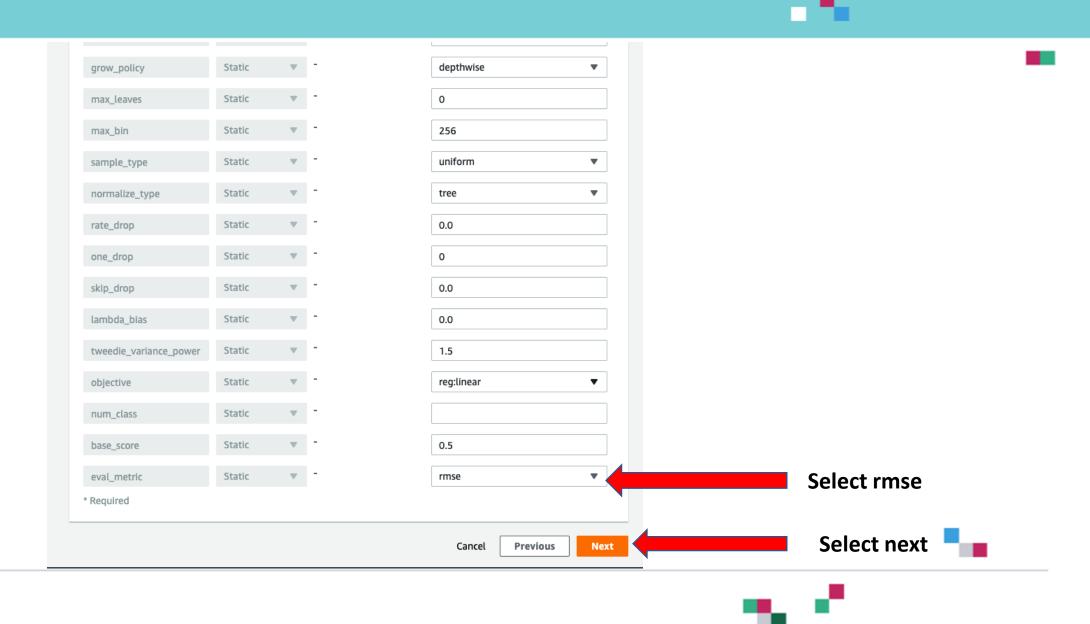


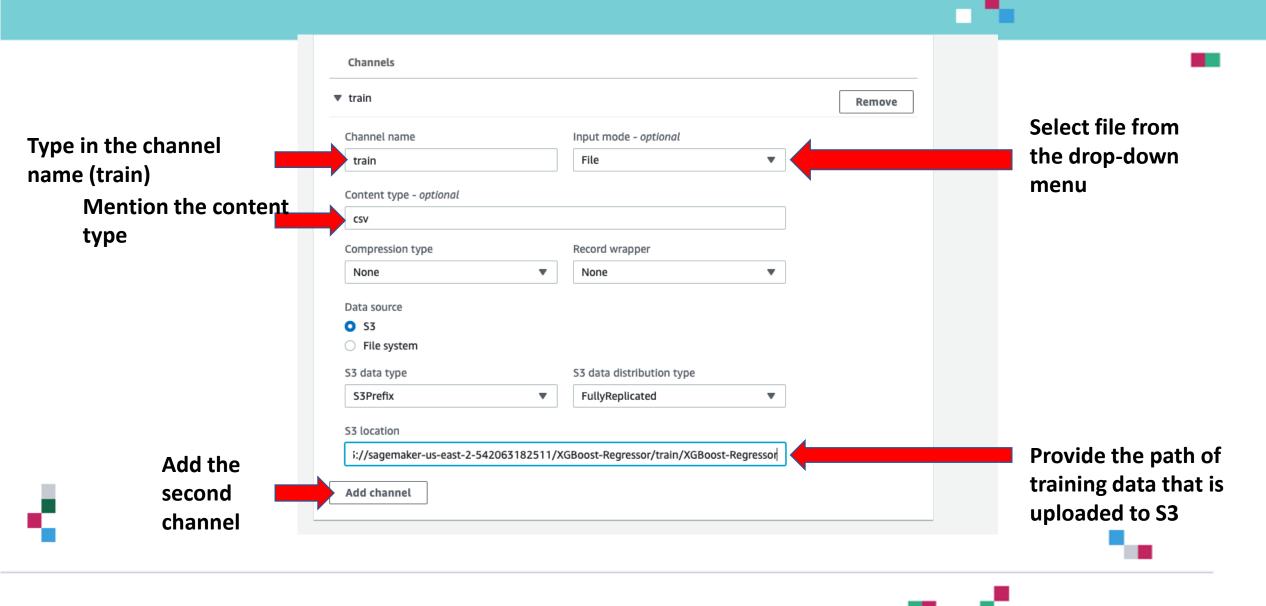


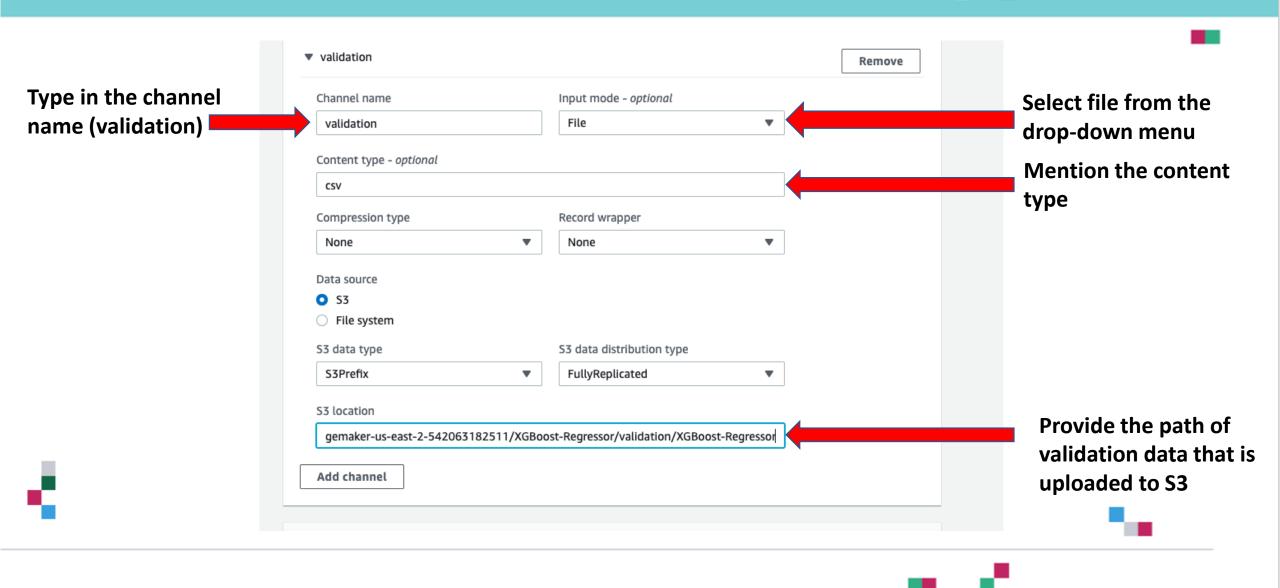


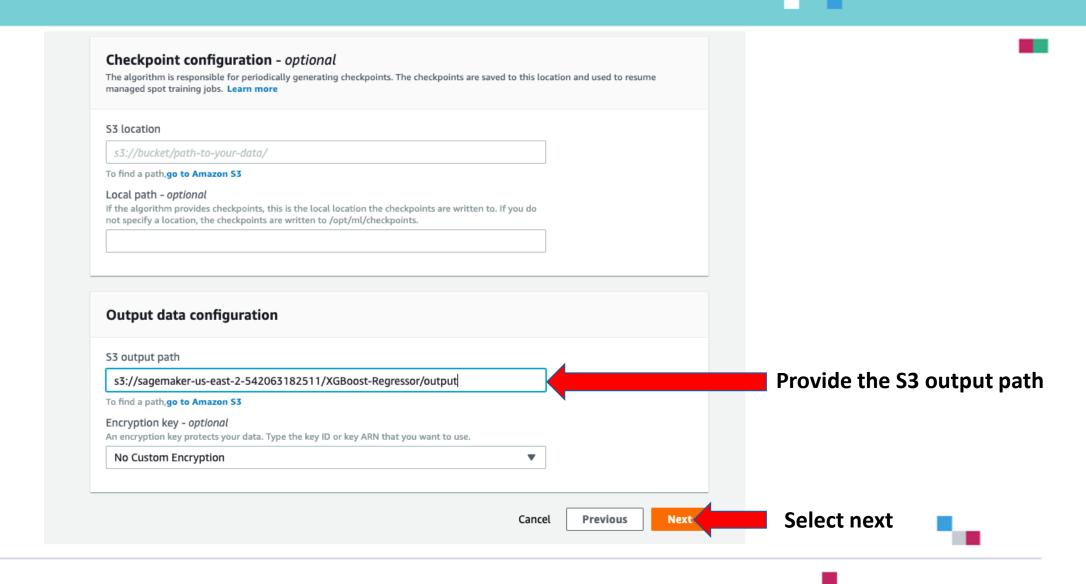


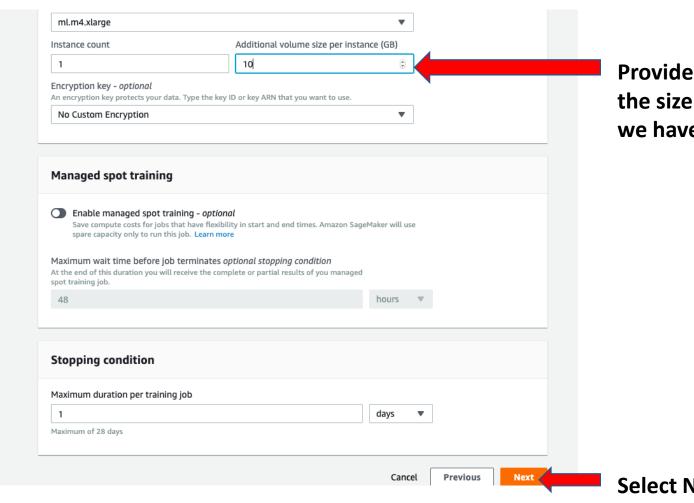










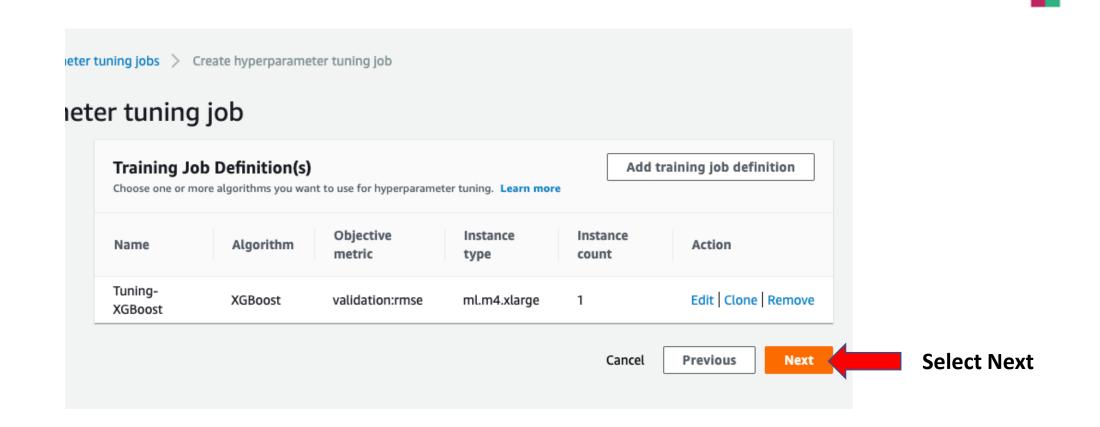


Provide the volume size according to the size of dataset. We use 10 GB, as we have a small dataset.

Select Next

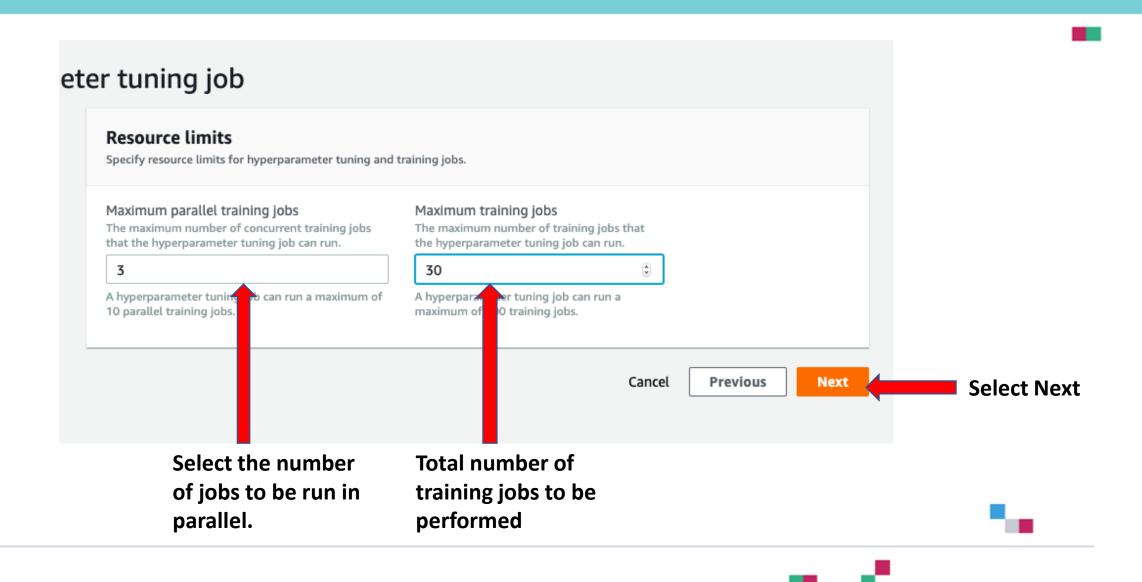


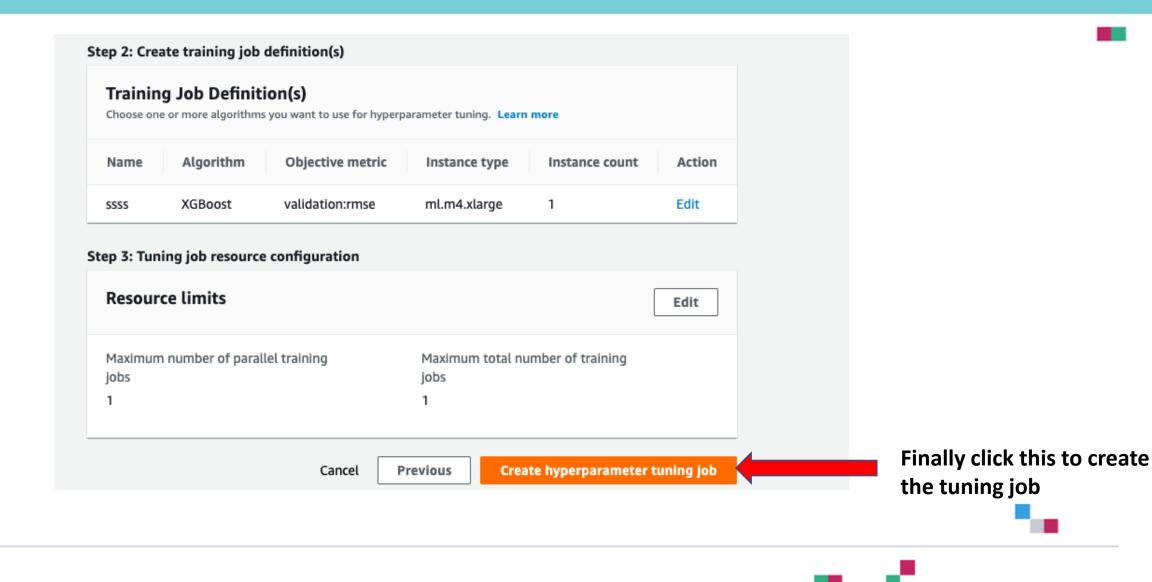


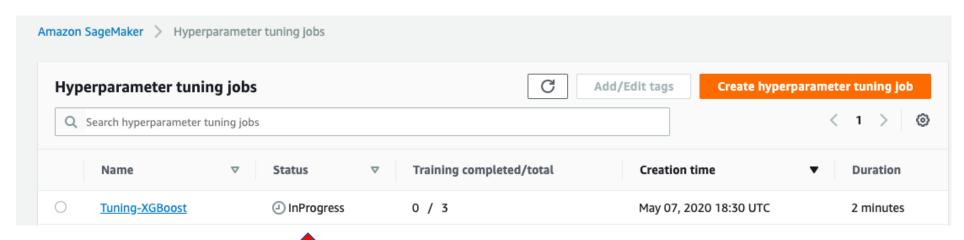










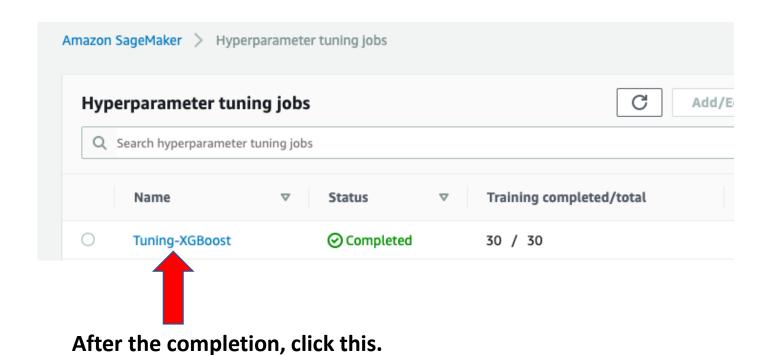




Tuning job in progress

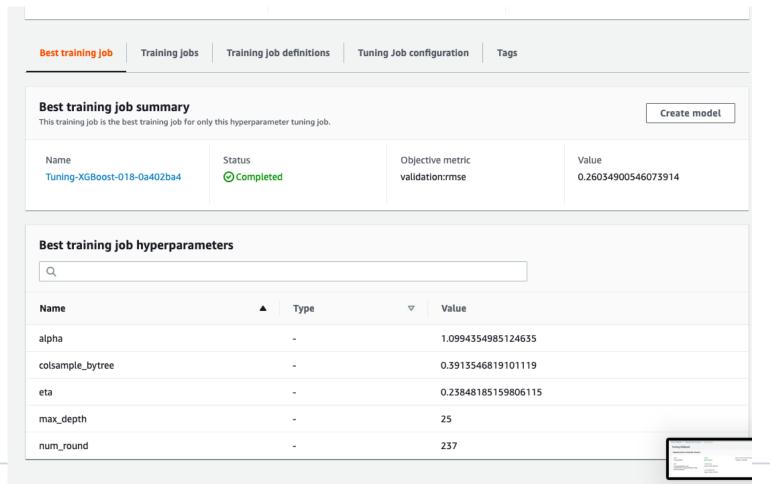












You can scroll down to see the best training job hyper-parameters

Finally, you can copy these values to train your model in your notebook instance.











```
[294]: from sklearn.metrics import r2_score, mean_squared_error, mean_absolute_error
    from math import sqrt
    k = X_test.shape[1]
    n = len(X_test)
    RMSE = float(format(np.sqrt(mean_squared_error(y_test, predicted_values)),'.3f'))
    MSE = mean_squared_error(y_test, predicted_values)
    MAE = mean_absolute_error(y_test, predicted_values)
    r2 = r2_score(y_test, predicted_values)
    adj_r2 = 1-(1-r2)*(n-1)/(n-k-1)

    print('RMSE =',RMSE, '\nMSE =',MSE, '\nMAE =',MAE, '\nR2 =', r2, '\nAdjusted R2 =', adj_r2)

RMSE = 0.182
    MSE = 0.033086948
    MAE = 0.07689543
    R2 = 0.9668608738856486
    Adjusted R2 = 0.9668482913982772
```

