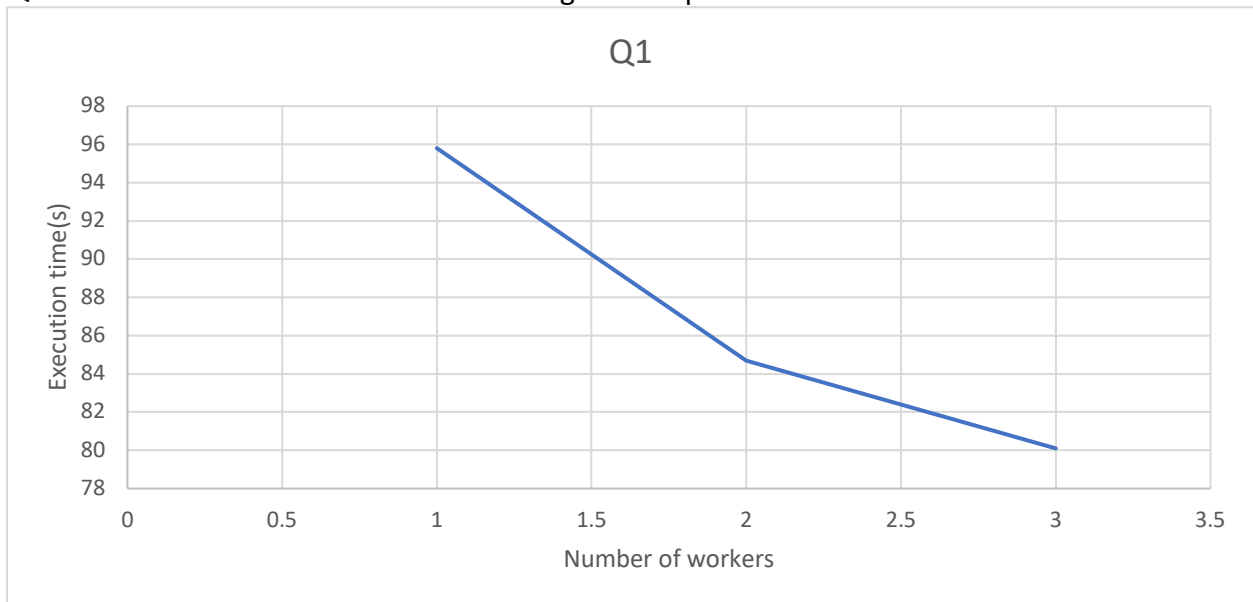


MPI Report

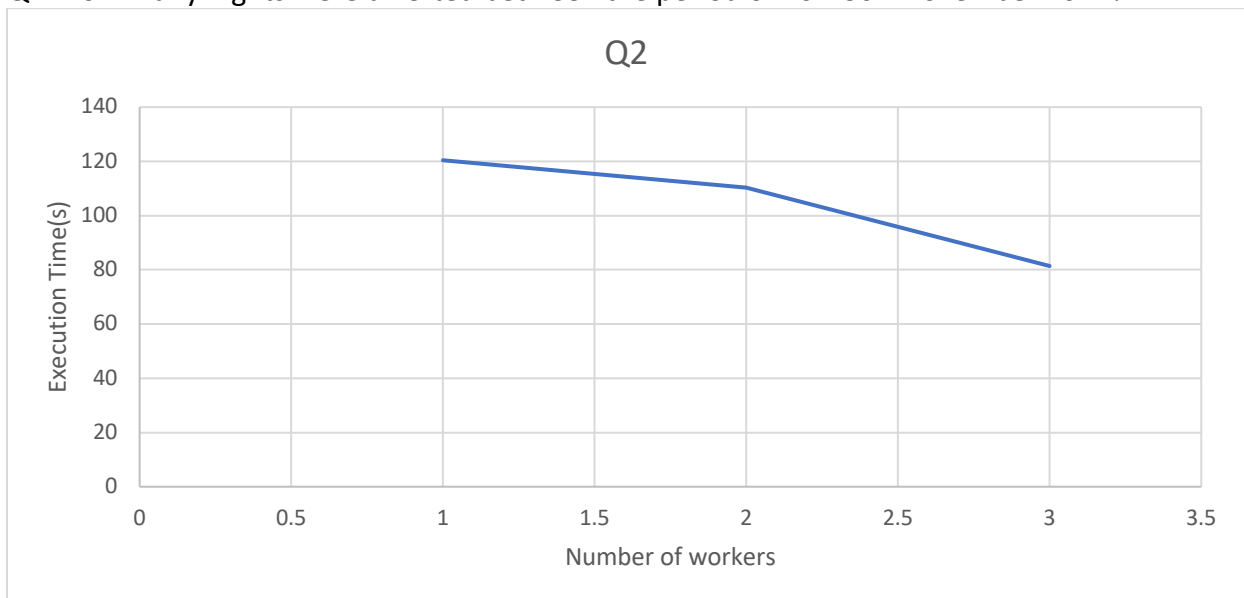
Q1: which airline had the most canceled flights in September 2021?



Line plot for container numbers vs execution time(second), using one to three worker containers.

There is an execution time improvement when the number of worker increase.

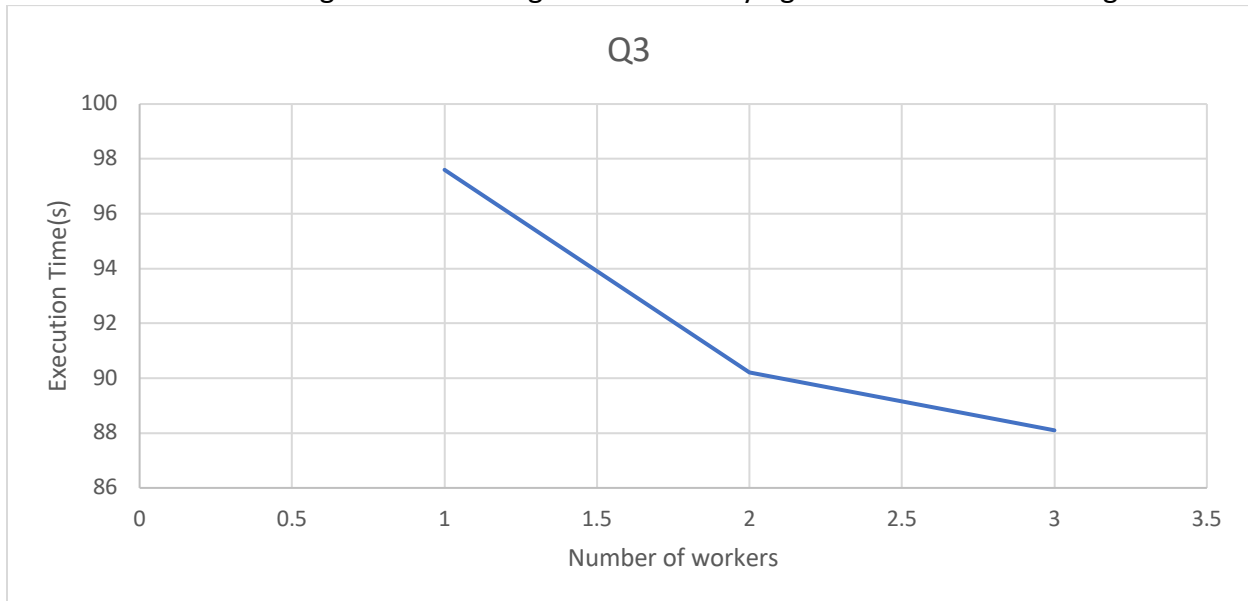
Q2: How many flights were diverted between the period of 20th-30th November 2021?



Line plot for container numbers vs execution time(second), using one to three worker containers.

There is an execution time improvement when using three workers vs using two workers. Using one worker has the approximate same execution time as using two workers.

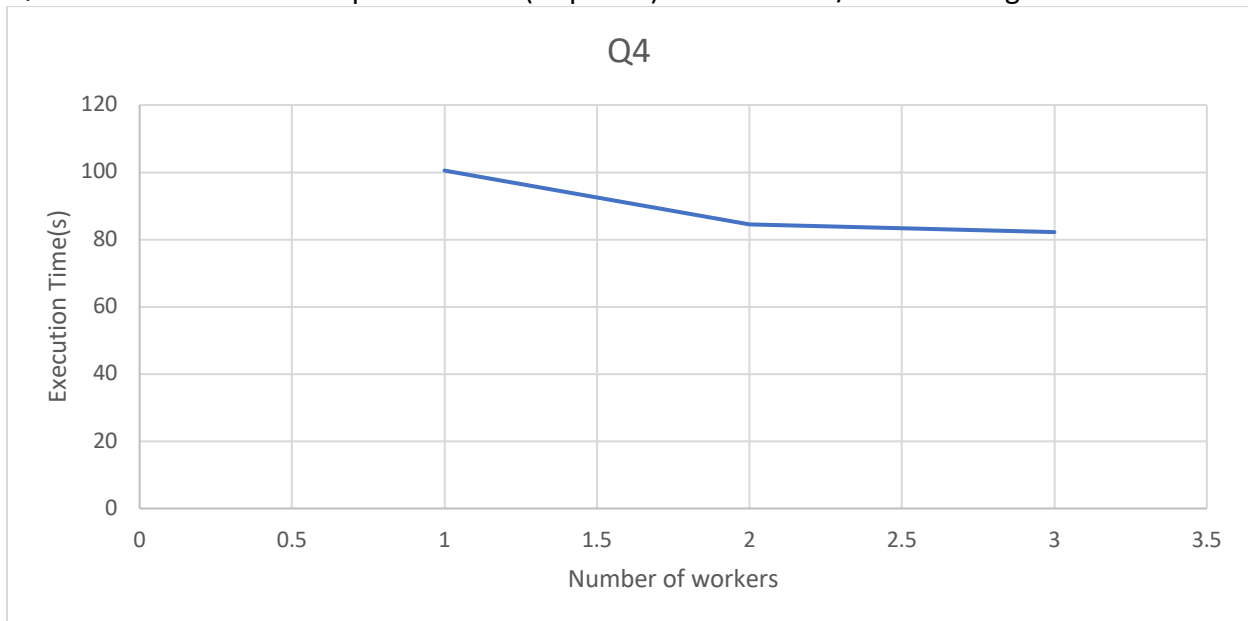
Q3: What was the average airtime for flights that were flying from Nashville to Chicago



Line plot for container numbers vs execution time(second), using one to three worker containers.

There is an execution time improvement when the number of worker increase.

Q4: For which date was departure time (DepTime) not recorded/went missing?



Line plot for container numbers vs execution time(second), using one to three worker containers.

There is an execution time improvement when using more than one worker, but three worker does not have significant speed improvement than two workers.