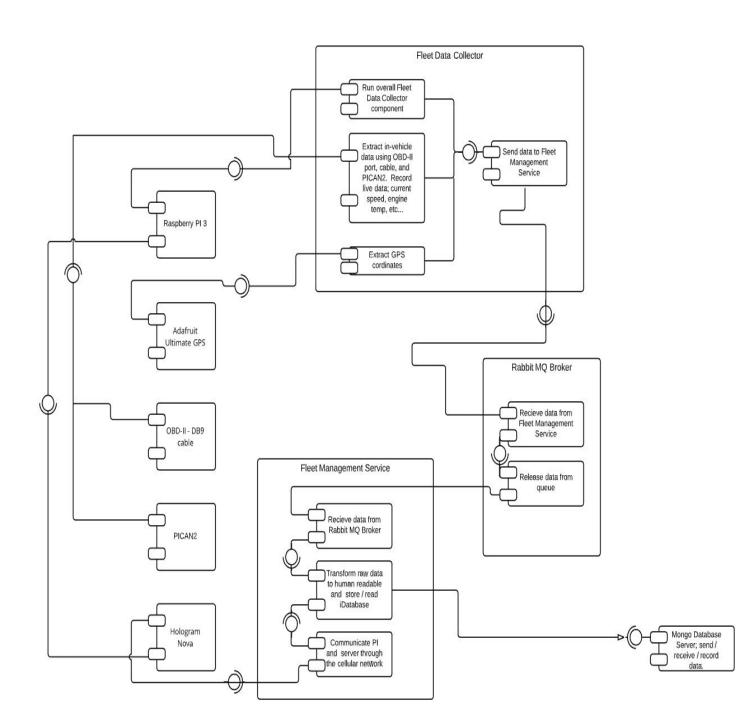
SE 339 - Assignment 6B Architecture Patterns

12/13/19

Authors:

Stamatios Morellas (morellas@iastate.edu)
Richard Smith (gsmith7@iastate.edu)

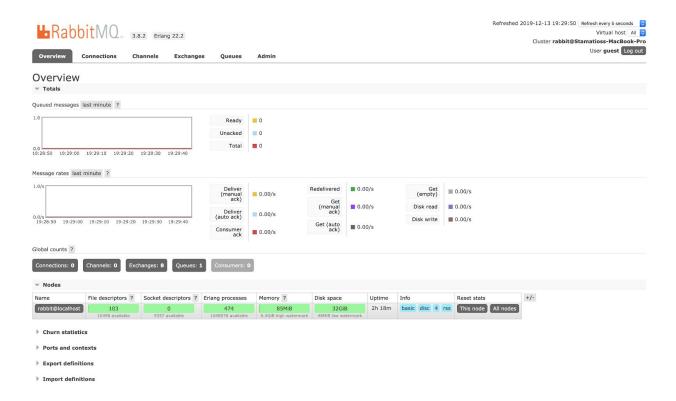
Component Diagram implementation with Rabbit MQ



Report and Screenshots of code

```
public class Consumer implements MessageListener {
   private UsageService usageService;
   public Consumer(UsageService usageService) {
       this.usageService = usageService;
           @param message
   public void onMessage(Message message) {
       Message toSend = new Message(message.getBody(), message.getMessageProperties()); // The message to send to the database
       try {
           ObjectMapper mapper = new ObjectMapper();
           UsageStatisticRequest value = mapper.readValue(toSend.getBody(), UsageStatisticRequest.class);
           UsageController controller = new UsageController(usageService);
           controller.addUsageStatistic(value);
       } catch (IOException e) {
           e.printStackTrace();
```

Link to GitLab Repo: https://git.ece.iastate.edu/morellas/339-68



The instructions were very vague so we hope the provided information is sufficient for the report. If more is required, please let either of us know:

<u>morellas@iastate.edu</u> - Stamati Morellas <u>gsmith7@iastate.edu</u> - Richard Smith

Thanks, have a great winter break!