

## **AMPS System Monitoring**

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### **Introduction**

Due to an ever-changing environment and technologies, it is necessary to monitor production systems to ensure the maximum amount of “up time” as possible. The plans for monitoring the AMPS system are outlined in this document – most of these plans are not yet implemented but are planned to be put into place in the near future.

### **AMPS Front End**

An automated monitoring system such as updown.io or Pingometer will be setup and configured to monitor the key parts of the front-end system as well as key API HTTP endpoints. This monitoring will ensure, at regular intervals, that the website and HTTP portion of the API are up and running. In the event that it is not online a notification will be sent notifying support that the website is not working properly.

### **Server Monitoring**

The server monitoring will include monitoring each server’s disk space, memory, and CPU usage to ensure that there is plenty of capacity available for processing.

### **System Logs / Error Logs / Database Logs**

The AMPS system is setup with error logging on the server, within the code, and in the database. These logs document the details available at the time of an error in any of these tiers (including a full stack trace if it’s available). The support group will periodically review the system logs, error logs, and database logs to ensure there are not any errors affecting the system.