

Improved Test Plans

UMD Stress Tests

How can we improve the stress tests at UMD and UIUC?

- See bd-swarm/swarmstats for details on container stats collection..
- See fence stats collection code??
- Gather performance (Gatling) and machine metrics (system cron) into a UMD Elasticsearch, Logstash, Kibana environment.
- Create a Kibana dashboard for analyzing the results of any stress test run, by time period.
- Gain visibility over the bottlenecks from combined time series metrics.

UMD Coverage Tests

- Find gaps in coverage of file formats for extraction:
 - unrecognized file formats
 - formats with only minimal extractors (such as mime-type and/or digest only)
- Find gaps in coverage for conversion:
 - formats that don't convert to another format in their detected mime class (such as 'image')