

Twitter JCP Qualification Statement

Twitter relies on the JVM as the base runtime for its service, with almost all of our new software being written in Java or Scala. We are solving some uniquely challenging problems when it comes to designing software at our scale and are developing libraries for scalable IO, distributed scatter-gather, and system monitoring and management. We hope to bring our insight in high-traffic, low latency large-deployment, multi-language systems to forming the aspects and details of the relevant JSRs to further the platform. We need to ensure that our systems can cope with the traffic increases that today bring us in the domain of 500 million tweets per day. internal metrics system via Zipkin that does 170 million individual metrics (time-series) every minute and serves up 200 million queries per day.

Furthermore, we are beginning to diversify our usage of programming languages available on the JVM; in addition to already widespread usage of Java and Scala, we are beginning to write systems that use Ruby, Python, JavaScript, and Clojure runtimes on JVM. We hope to bring our insight in high-traffic, low latency large-deployment, multi-language systems to forming the aspects and details of the relevant JSRs to further the platform. Twitter has a strong record of community involvement since its inception, with most of our internally developed software that is deemed useful to public in general being open sourced.