Evaluating the Performance of Java Application Caches in EPOS GNSS Data and Products Portals

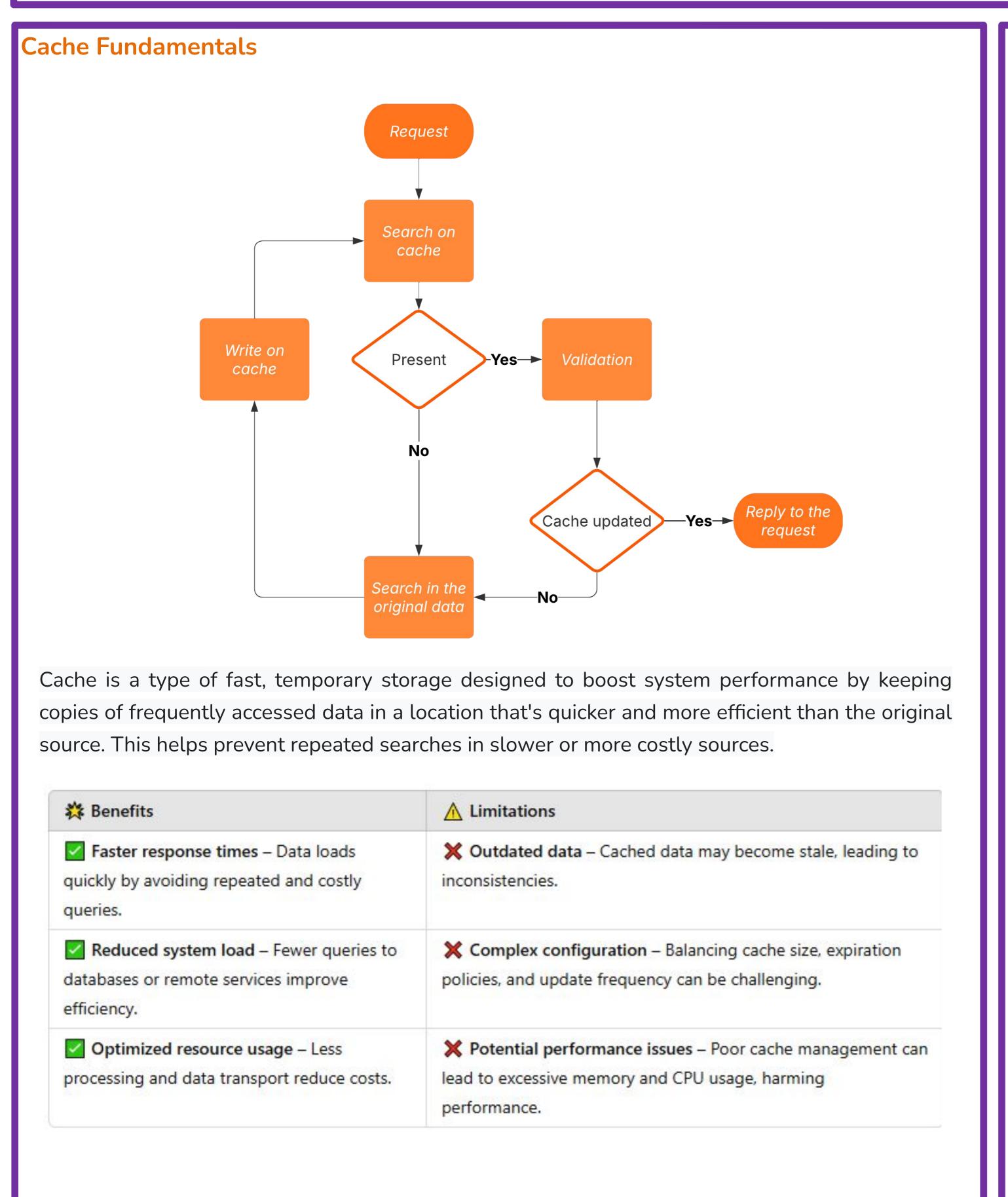


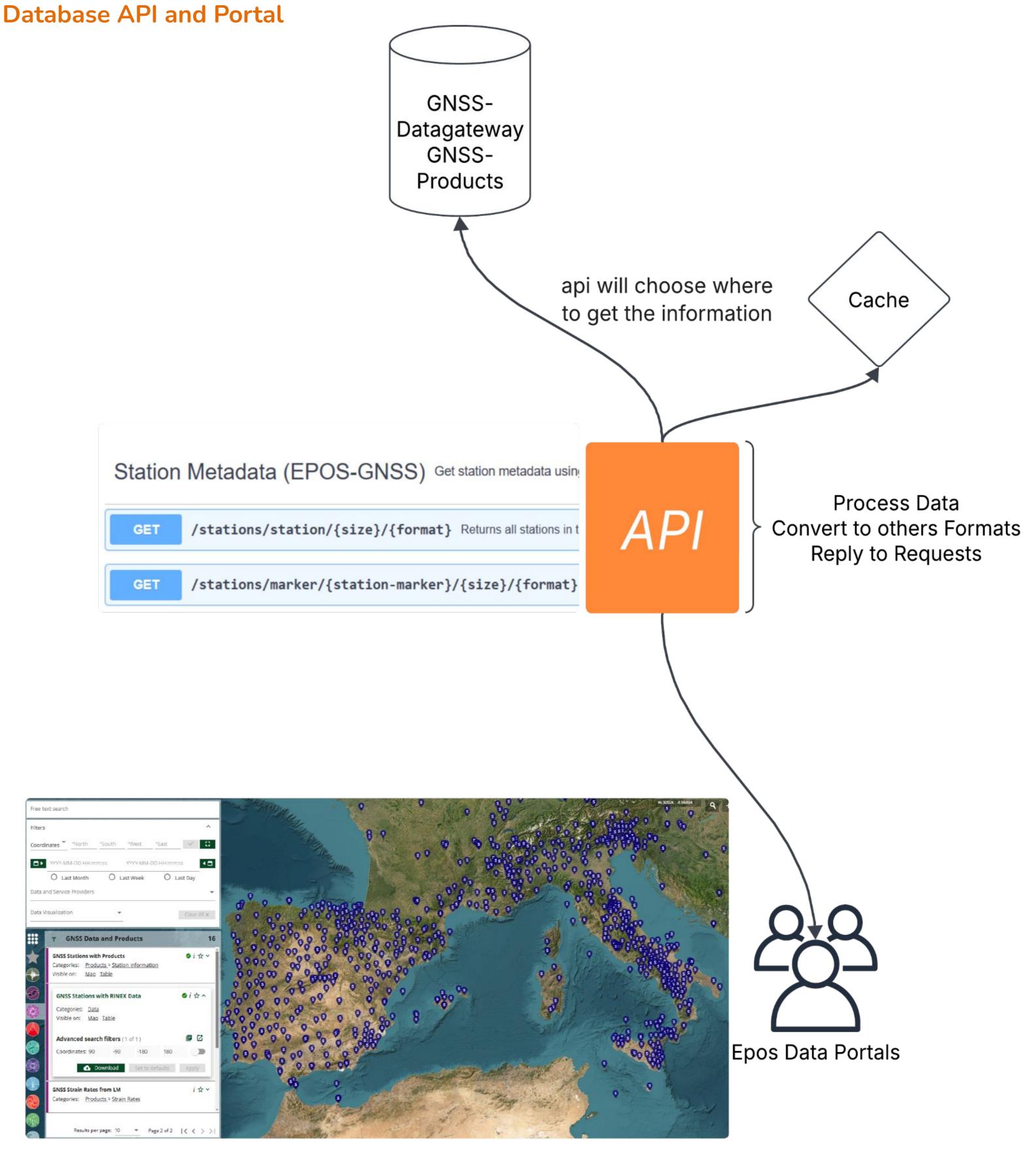
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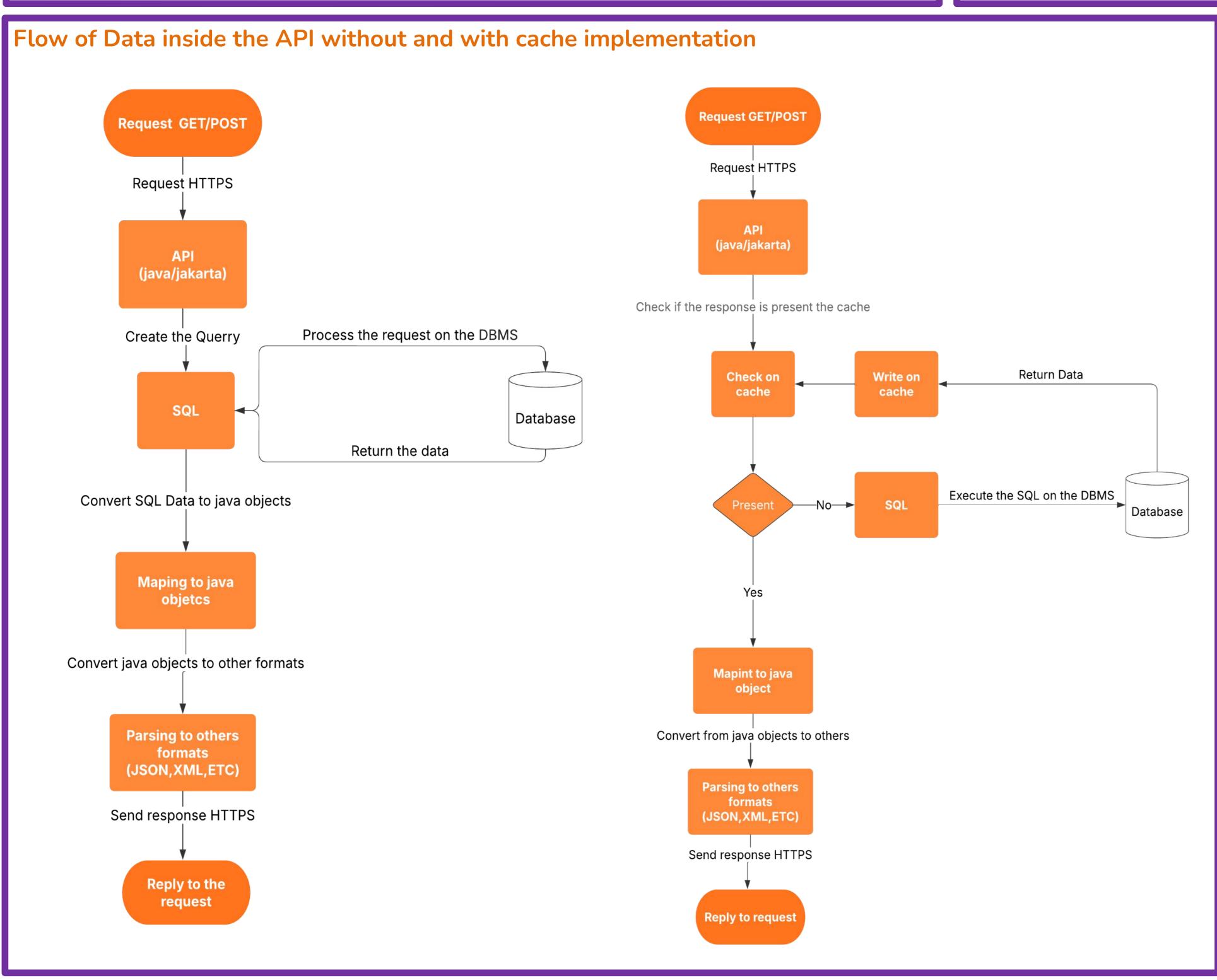
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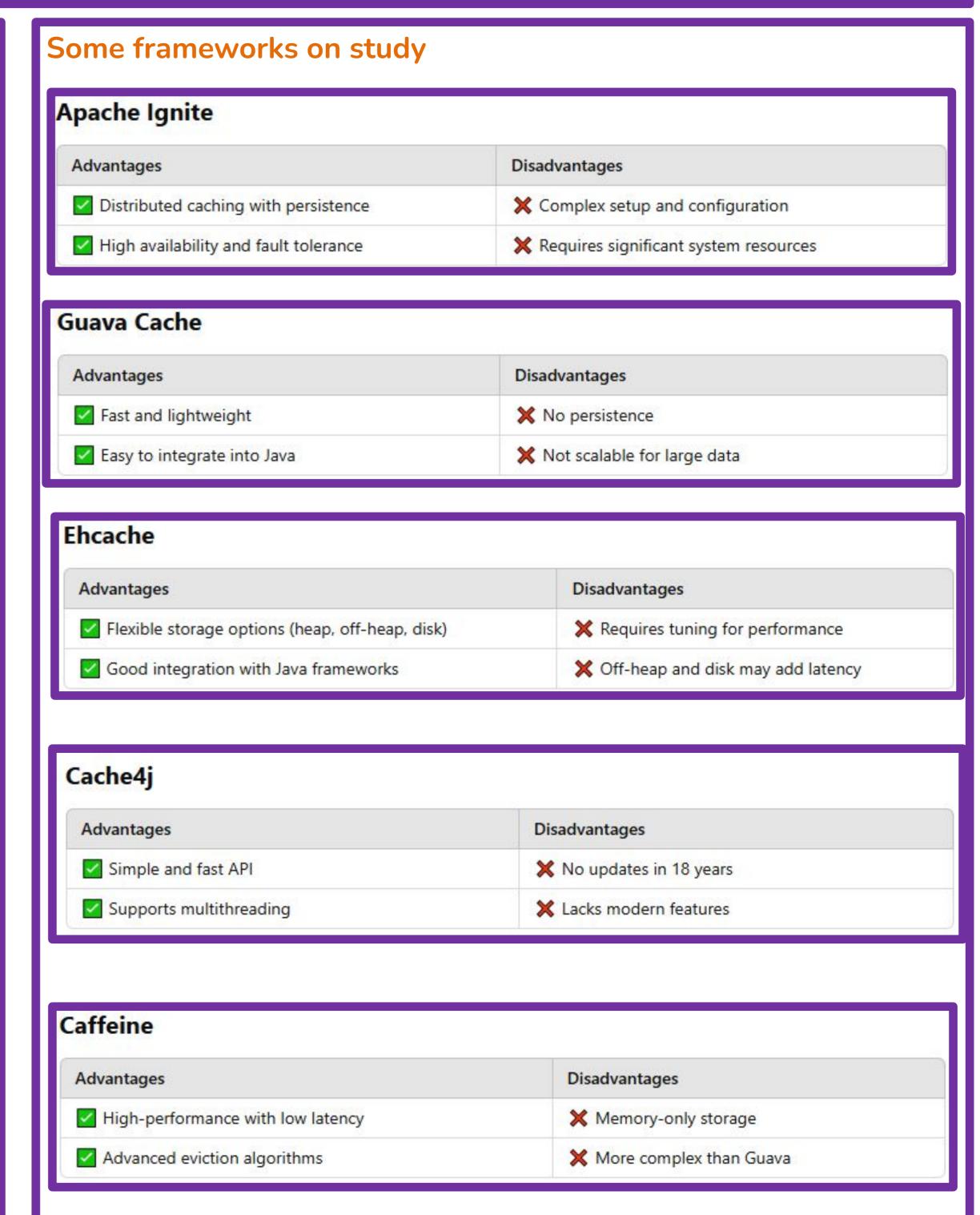
Caching is a crucial component for enhancing the performance and scalability of web applications and database applications. This study investigates the performance characteristics of various caching solutions, including in-memory and distributed caches, within web and database environments. The primary objective is to identify optimal caching software and strategies, assess the impact of different caching frameworks on application responsiveness and throughput.

By combining benchmarking, profiling, and real-world scenario testing, this research aims to deliver valuable insights into the optimization of web application caches. The findings will contribute to improving applications performance, scalability, and user experience on EPOS GNSS Data and Products.









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