

Establish a Performance Baseline for Portal Components

Business Objective

Ensure EQRS performs predictably and meets performance expectations with an efficient use of resources.

Business Description

Develop a performance baseline for EQRS by:

- Measuring the spikes, steady state, and cyclical surges in utilization in Prod.
- Identifying the transactions that drive the most load.
- Coming to agreement on the target metrics such as page loads under certain load targets and documenting those targets in Confluence.

Benefit Hypotheses

- The O&M team will use the baseline to plan for efficient use of resources to prevent costs from spiraling while maintaining expected performance levels.
- The performance of new feature development or changes to existing features will be compared to the baseline to ensure that they do not introduce performance issues.

Acceptance Criteria

Acceptance Criteria	Notes/Questions	Team(s) Involved
Establish performance baseline for Portal Data Processing Components	Messages, Requests, Transactions, Peak Loads	SC/Portal Teams
Establish performance baseline for Portal Microservices (APIs)		SC/Portal Teams
Identify bottlenecks and improvements necessary	Based on Insights from New Relic	SC/Portal Teams
Create necessary dashboards in NewRelic and/or CloudWatch Insights to measure and view performance metrics		SC/Portal Teams

Establish prioritized areas of improvement		SC/Portal Teams
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Assumptions

Dependencies

Dependency	Outgoing Team(s)	Receiving Team(s)	Date Needed	Date Completed	Notes
NewRelic metrics on all microservices	FC/Ventech/SC	SC	10/4/2021		