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# ALM Metrics Dashboard Template

## What is ALM Metrics Dashboard Template?

### ALM (Application Lifecycle Management) Metrics Dashboard Template

An ALM Metrics Dashboard Template is a pre-defined framework or blueprint used to visualize and track key performance indicators (KPIs) throughout the software development life cycle. It provides a structured approach to monitoring and analyzing various metrics, enabling organizations to measure their progress, identify areas of improvement, and make data-driven decisions.

### Key Components of an ALM Metrics Dashboard Template:

- 1. Overview:** A high-level summary of key KPIs, including metrics such as:
  - Project velocity (e.g., story points completed per iteration)
  - Cycle time (time from planning to deployment)
  - Lead time (time from request to delivery)
  - Defect density
- 2. Development Metrics:**
  - Code quality metrics (e.g., code coverage, technical debt)
  - Development productivity metrics (e.g., lines of code written per day)
  - Team velocity metrics (e.g., number of sprints completed)
- 3. Testing and Quality Metrics:**
  - Test coverage percentage
  - Defect density by module or component
  - Mean time to repair (MTTR) for defects
- 4. Deployment and Release Metrics:**
  - Deployment frequency
  - Release cadence
  - Time-to-market for new features
- 5. Customer and Business Metrics:**
  - Customer satisfaction metrics (e.g., Net Promoter Score)
  - Business outcomes metrics (e.g., revenue growth, customer acquisition)

### Benefits of using an ALM Metrics Dashboard Template:

- 1. Improved transparency:** Provides a clear understanding of progress and performance across the organization.
- 2. Data-driven decision making:** Enables informed decisions based on objective data rather than intuition or anecdotal evidence.
- 3. Increased accountability:** Holds teams and individuals accountable for their performance and outcomes.
- 4. Enhanced collaboration:** Fosters cross-functional collaboration and communication among teams.
- 5. Better resource allocation:** Allocates resources more effectively, prioritizing areas of highest impact.

### Tools and Techniques:

1. **Data Visualization Tools:** Tableau, Power BI, or D3.js for creating interactive and engaging dashboards.
2. **Agile Project Management Tools:** Jira, Trello, or Asana for tracking progress and metrics in an agile environment.
3. **Metrics Collection:** Utilize APIs, scripts, or integrations to collect data from various sources (e.g., version control systems, defect tracking tools).

### Best Practices:

1. **Keep it simple:** Focus on key KPIs and avoid overwhelming stakeholders with too much information.
2. **Make it interactive:** Use drill-down capabilities and filters to enable exploration of specific metrics.
3. **Regularly review and update:** Schedule regular reviews to ensure the dashboard remains relevant and effective.

By implementing an ALM Metrics Dashboard Template, organizations can gain valuable insights into their software development processes, identify areas for improvement, and make informed decisions to optimize their development workflows and deliver high-quality software products.

[template](#)

# ALM Metrics Dashboard Template

## Overview

This dashboard provides a comprehensive view of Application Lifecycle Management (ALM) metrics to aid in tracking progress, quality, and efficiency throughout the development cycle.

## Key Metrics

1.

- **Commit Frequency**

- Description: Number of commits made to the repository over time.
- [Commit Frequency Graph](#)

- **Code Review Duration**

- Description: Average time taken for code reviews.
- [Code Review Duration Graph](#)

- **Code Churn**

- Description: Percentage of code modified shortly after it was written.
- [Code Churn Graph](#)

## 2.

- **Defect Density**

- Description: Number of defects per KLOC (thousand lines of code).
- [Defect Density Graph](#)

- **Test Coverage**

- Description: Percentage of the codebase tested by automated tests.
- [Test Coverage Graph](#)

- **Defect Resolution Time**

- Description: Average time taken to resolve defects.
- [Defect Resolution Time Graph](#)

## 3.

- **Build Success Rate**

- Description: Percentage of successful builds out of total builds initiated.
- [Build Success Rate Graph](#)

- **Deployment Frequency**

- Description: Frequency of successful deployments to production.
- [Deployment Frequency Graph](#)

- **Mean Time to Recovery (MTTR)**

- Description: Average time to recover from a failure in production.
- [MTTR Graph](#)

## 4.

- **Velocity**

- Description: Average number of story points completed in a sprint.
- [Velocity Graph](#)

- **Sprint Burndown**

- Description: Graph showing the amount of work completed versus the

planned work in a sprint.

- [Sprint Burndown Graph](#)

- **Team Capacity**

- Description: Total available capacity of the team measured in hours or story points.
- [Team Capacity Graph](#)

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## Summary

- Highlight overall trends and insights gained from metrics.
- Identify areas for improvement and action items.

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## Notes

- Ensure regular updates to the dashboard.
- Invite stakeholders for feedback and suggestions for additional metrics.



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