



# *Implementing eazyBI in large scale Jira instances*

This presentation assumes some basic knowledge in eazyBI. For more info please read in [docs.eazybi.com](https://docs.eazybi.com)

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Platinum  
Solution Partner  
ENTERPRISE

- ▶ Leading Consulting Firm, Founded in 1984
- ▶ Atlassian **Platinum Solution Partner**,  
**Enterprise** Level
- ▶ **Marketplace Vendor**
- ▶ Training courses, including easyBI
- ▶ Implemented many large instances

Technology

Methodology

# About Me – Ran Lavi

- ▶ Senior Consultant and Dev Manager
- ▶ Over 30 years of experience
- ▶ Certified JIRA Admin and JIRA SW from Atlassian
- ▶ Certified Quality Engineer from Israeli Society for Quality (ISQ)
- ▶ Over 8 years of experience in eazyBI reports
- ▶ Leading the eazyBI expertise area at Methoda
- ▶ Leading the training activity in Methoda



Infrastructure

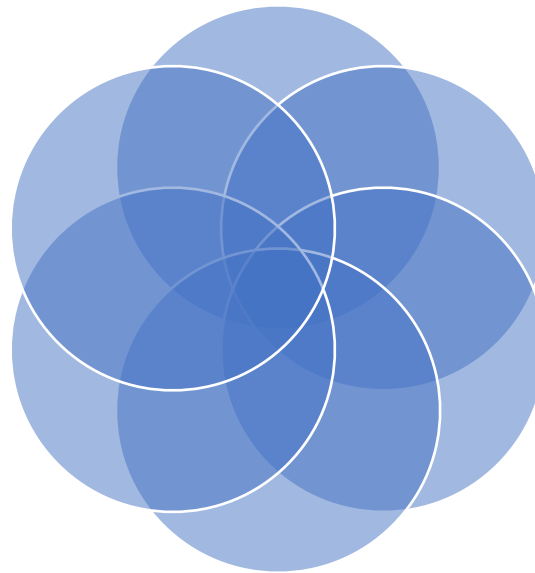
Use Cases

Usage  
Statistics

Issue  
Hierarchy

Javacript  
Dimensions  
and Measures

Template  
Accounts



# Infrastructure for Large Jira DC Instance

## ► Dedicated eazyBI nodes

### Data Center

Please read about [eazyBI setup for Jira Data Center](#).

Dedicated nodes

node3 ×

node4 ×

Select nodes where the child process will be started and background jobs executed.

Child process

RUNNING

A separate [child JVM process](#) will be started on dedicated nodes for execution of report queries.

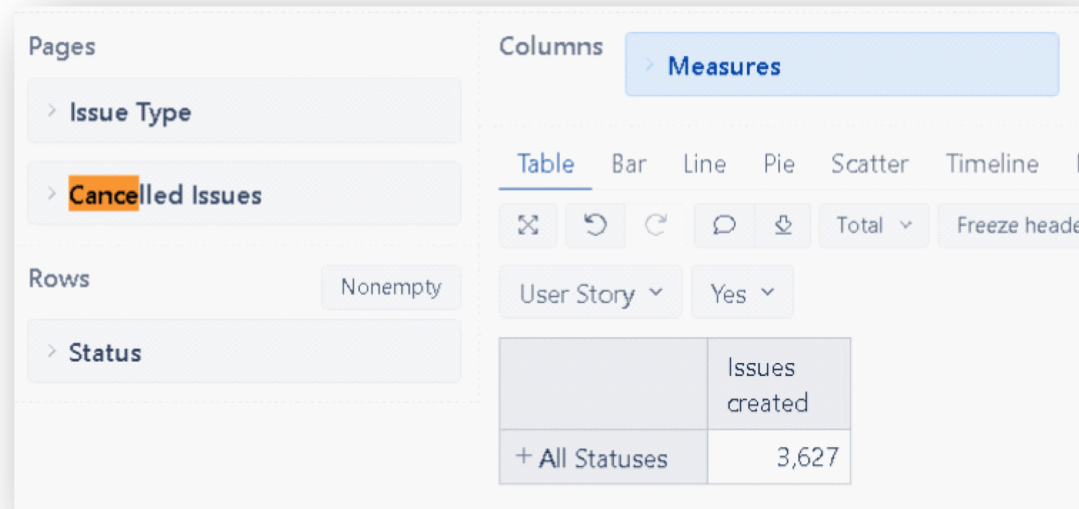
## ► Memory and Java settings optimization

# Usage Statistics



# JavaScript Dimensions and Measures

- ▶ Heavy usage of JavaScript Dimensions and Measures in order to pre-calculate resource intensive logic.
- ▶ Examples:
  - ▶ Inheriting custom field from top to bottom across the hierarchy
  - ▶ All Labels Except None
  - ▶ Non-cancelled statuses:




# Template Accounts

- ▶ Split to many small accounts (as small as possible).
- ▶ Much better performance, much lower maintenance.

Reports template account

Template account

Import reports, dashboards, and calculated members from the selected [template account](#).

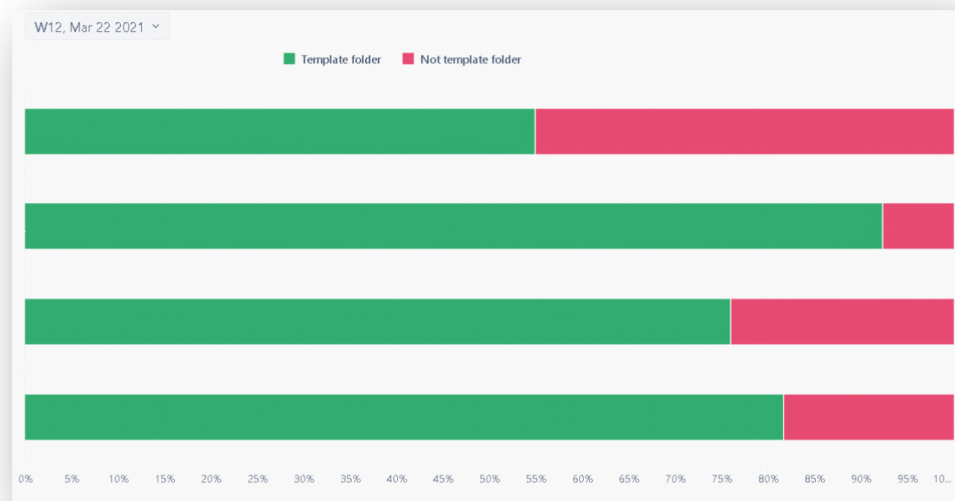


All template reports, dashboards, and calculated members will be replaced from the template account during the data import.



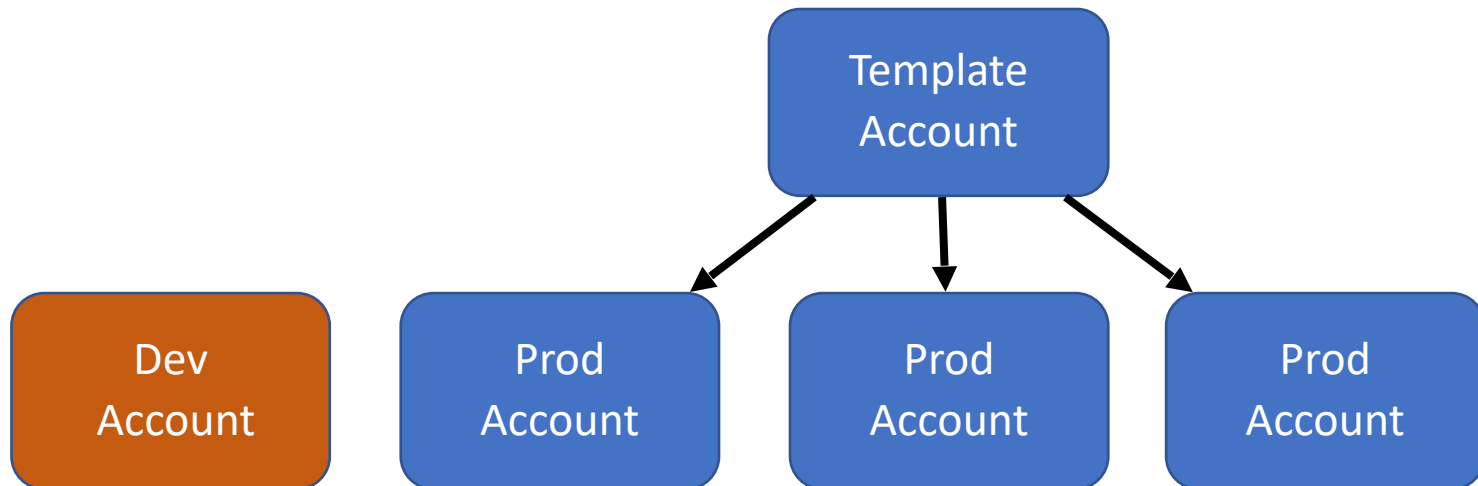
# Template Account Tips

- ▶ Master reports and dashboards with numbered folders and reports, e.g.:
  - ▶ 1 Sprint Reports
  - ▶ 2 Version Reports
  - ▶ 3 Program Reports
- ▶ Encourage users to use the template reports and dashboards.
- ▶ Monitor usage of template reports vs. non-template reports.



# Dev Accounts

- Develop and test changes in separate dev account (with real data), not on the template account



# Analyze Impact of Changes

- Impact analysis when editing a measure: deep dive all the way through (1 level is not enough)

### Define calculated member formula

[Measures].[ Minimum date of the issue in ] =

```
1 -- calculate the minimum day that the issue has a remaining estimate (i
2 filter(
3 [Time].[Day].DateMember([Measures].[Sprint actual start date]):[Time]
4 [Measures].[Remaining Estimation for Issue as of Context Day] > 0
5 ).item(0).StartDate
```

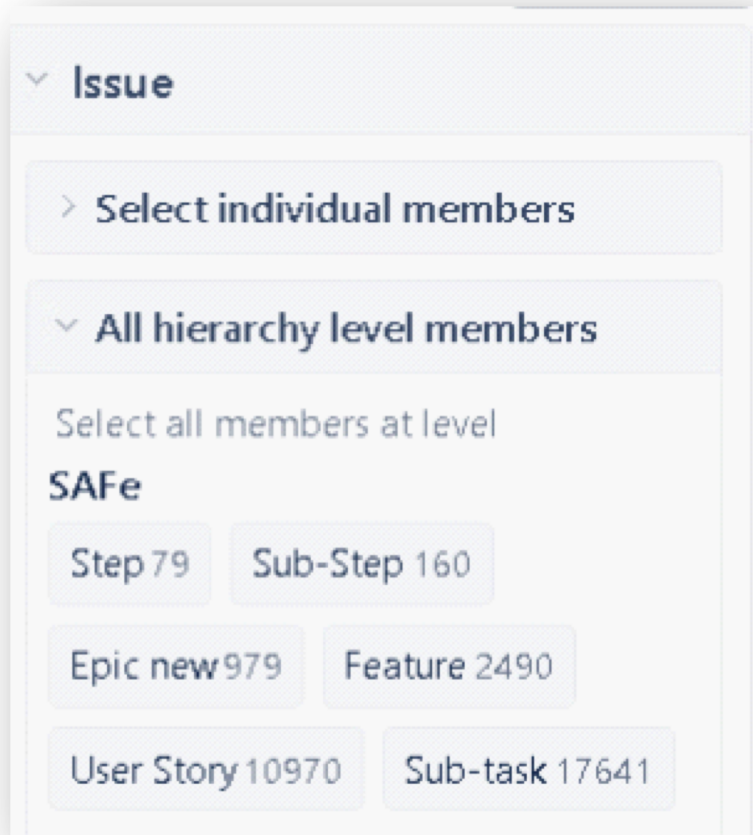
Formatting mmm dd yyyy Month Day Year ▾

Read [calculated members tutorial](#) to learn about calculated member formulas. You can select members, operators and frequently used functions from sidebar to insert them into calculated member formula.

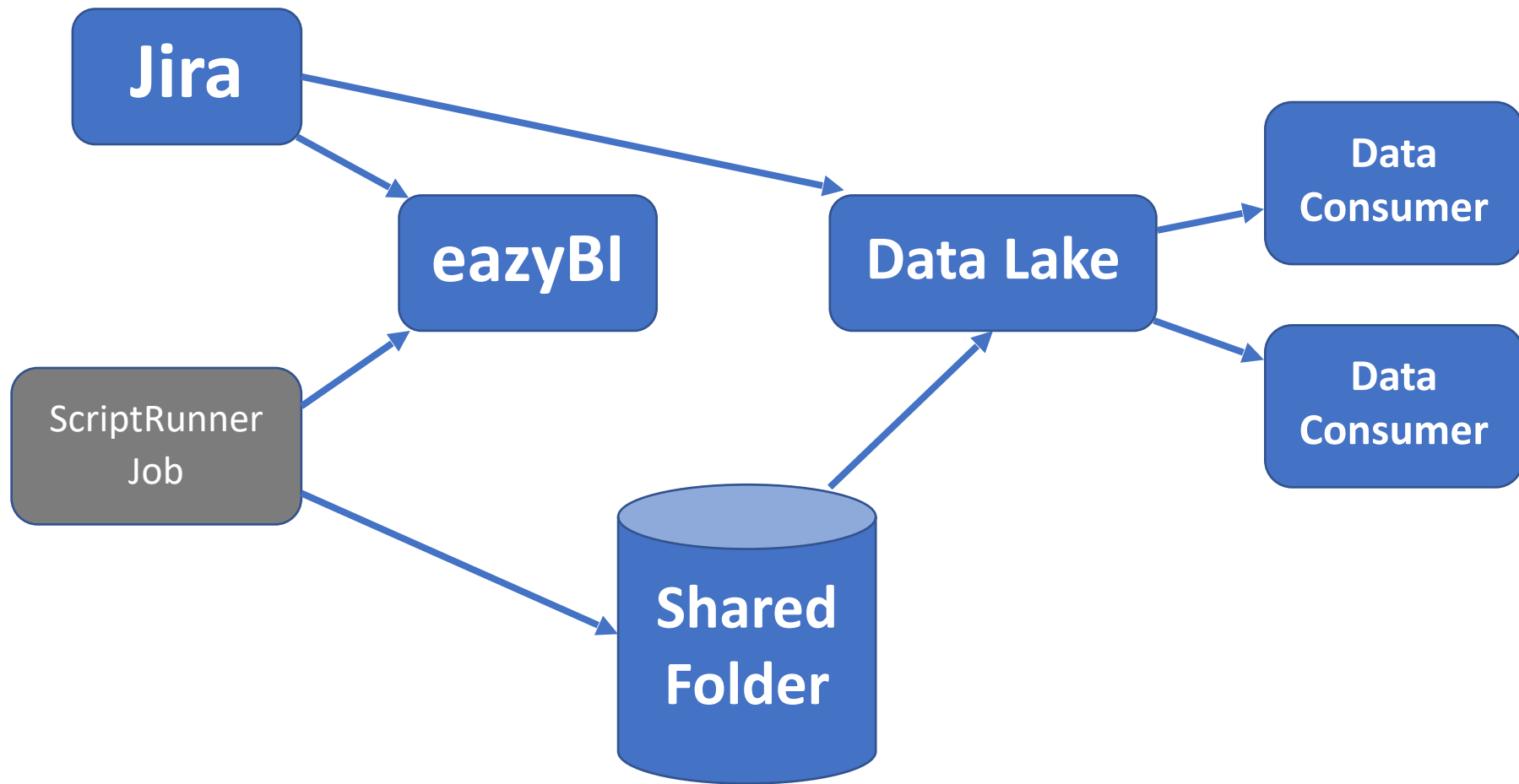
Used in 1 other report. Used in 1 calculated member.

# Configuring Issue Hierarchies

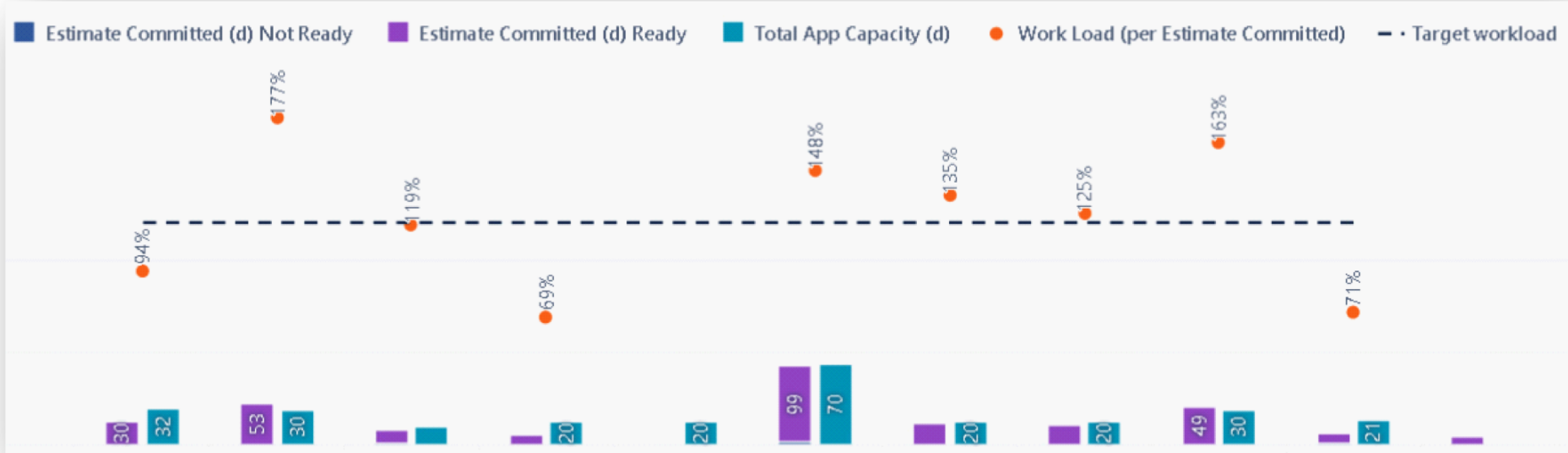
- ▶ New issue hierarchy, SAFe© Compliant



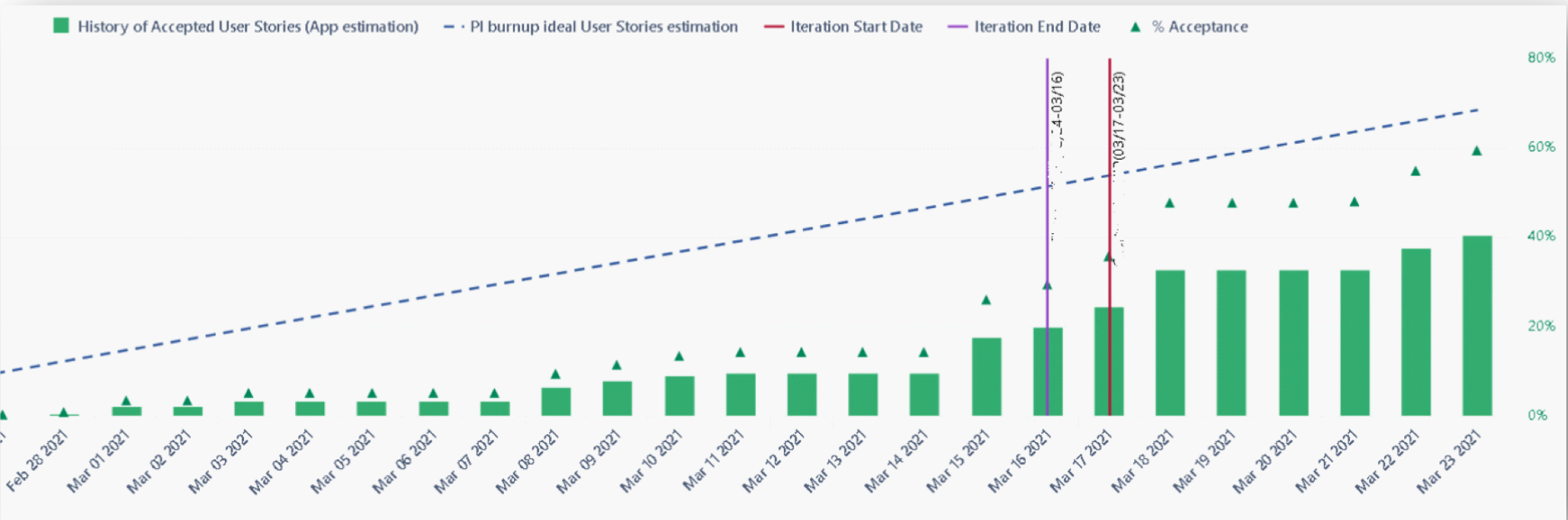
# Export of KPI Reports from easyBI into Data Lake



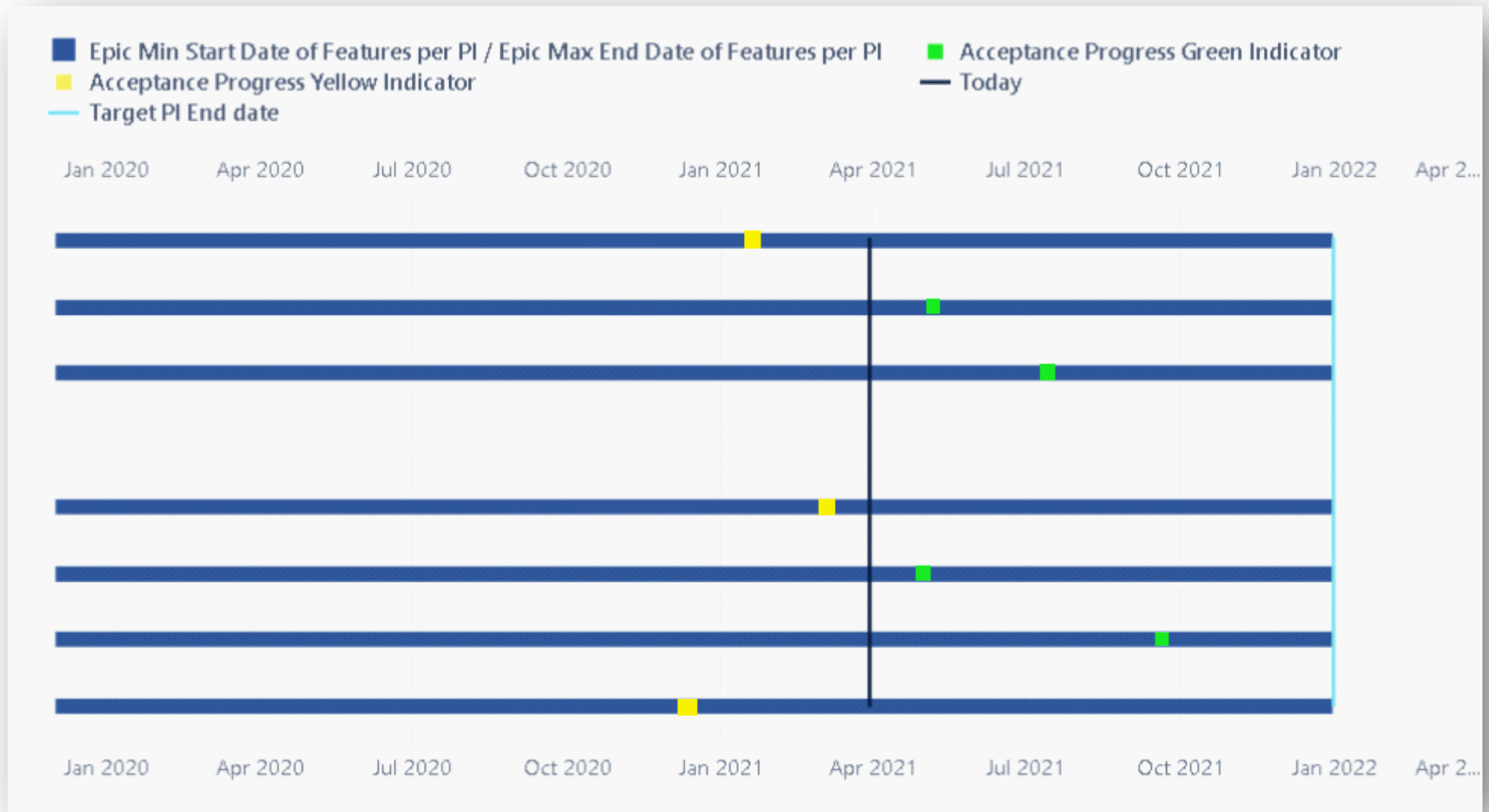
# Example Report: Teams Workload



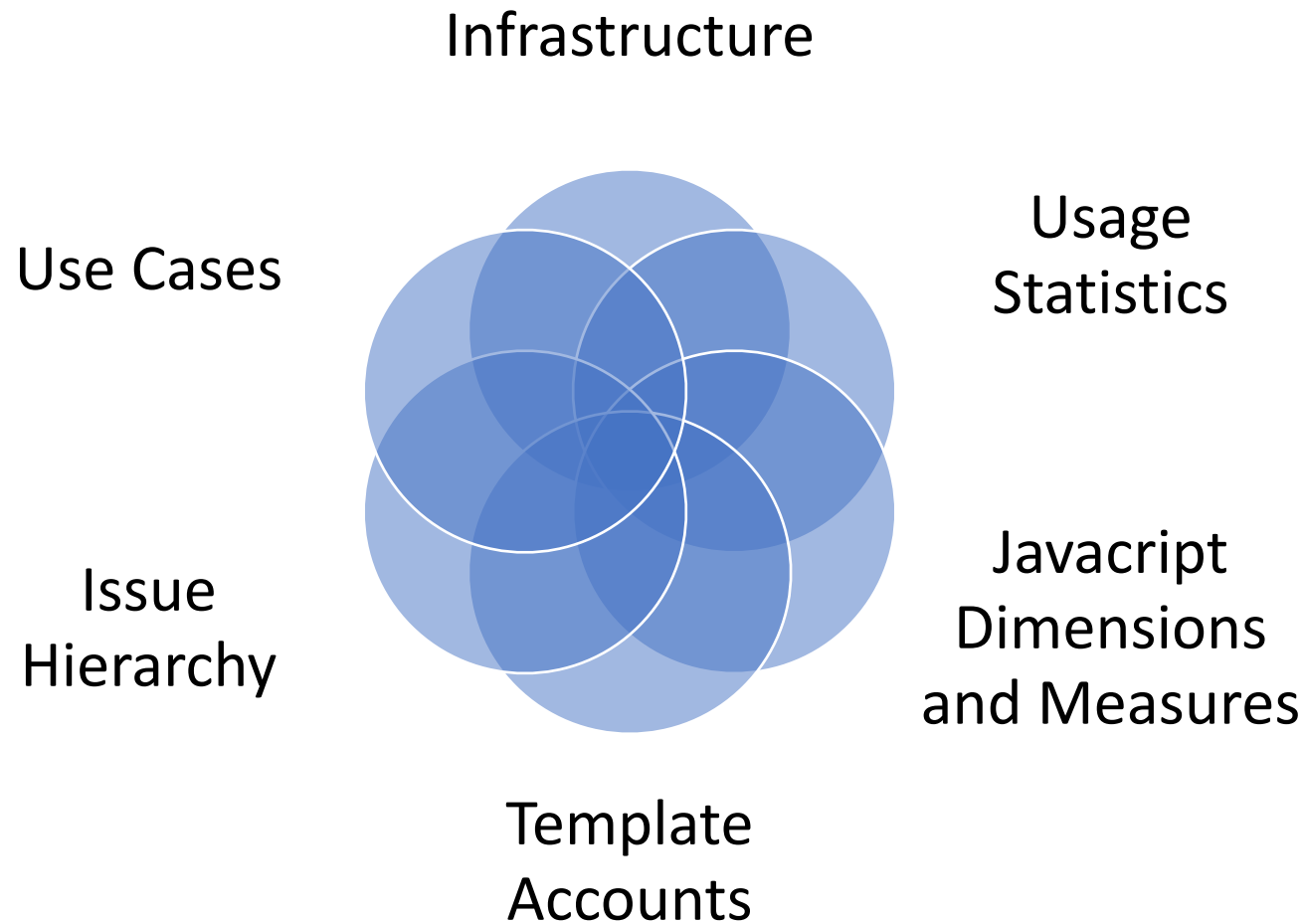
# Example Report: PI Burnup



# Example Report: HL Epic Progress Indicators









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<https://www.methoda.co.il/en/services/eazybi-course>

<https://www.methoda.co.il/en/services/methoda-university>