



# Modernizing Legacy Software

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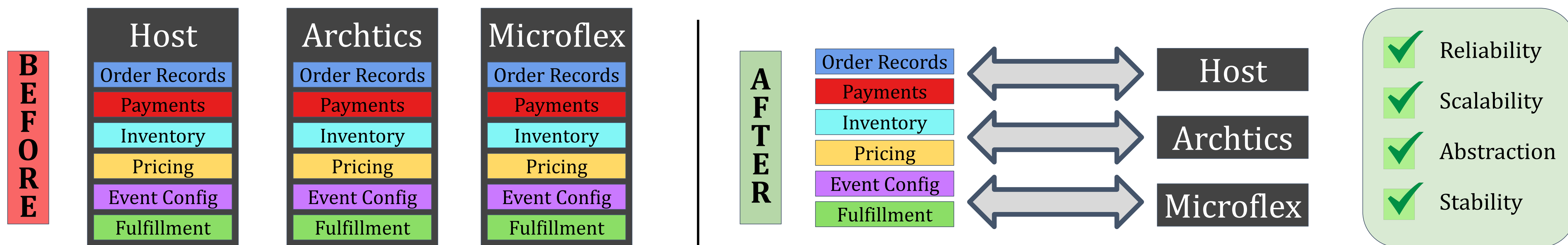
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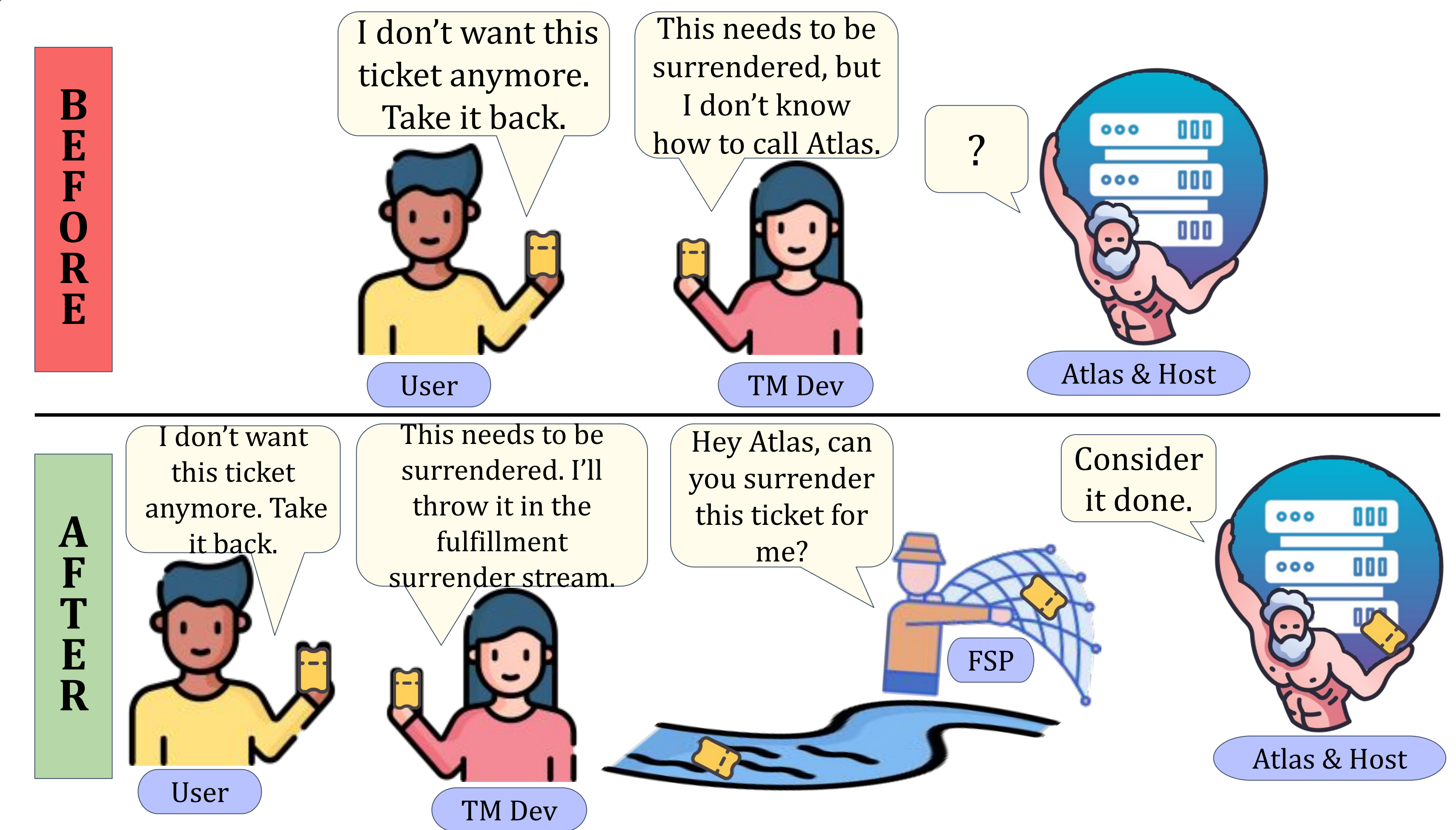
## Introduction

Ticketmaster has multiple ticketing systems with unique, complex, tech stacks. One of these ticketing systems, The Host, is a legacy technology foundational to Ticketmaster's ticket sales. It faces the challenge of managing changes in seat ownership, particularly the burden of "surrenders." A surrender is when a ticket changes possession. Fulfillment Surrender Processor (FSP) is a dedicated stream processor that will move ownership management off the Host and onto a new, modern system.

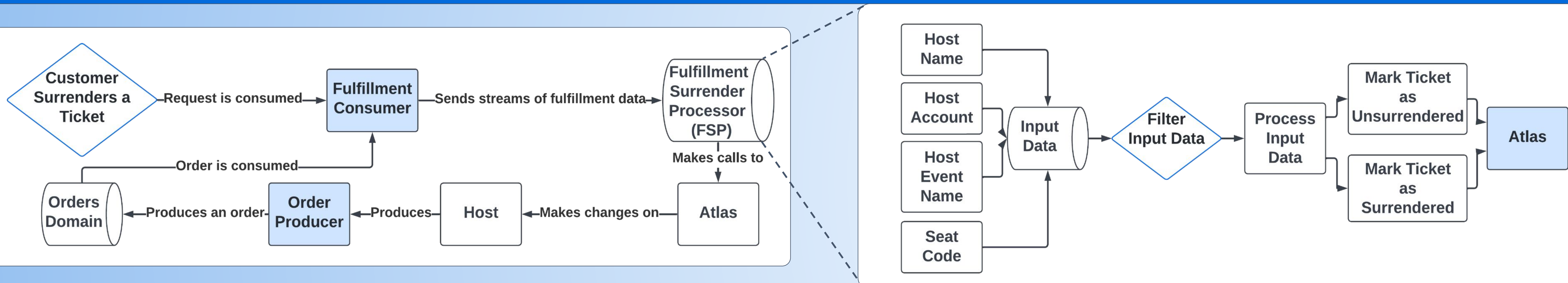
## Why Domain-Driven Development?



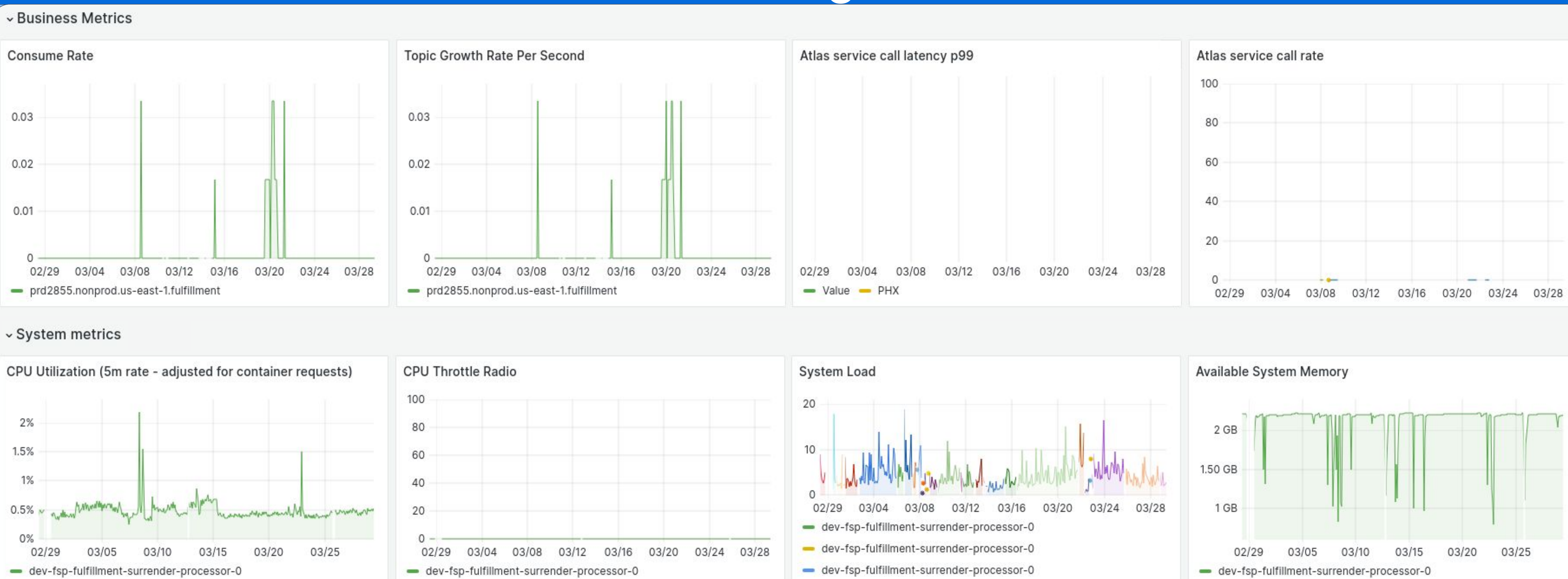
## Why FSP?



## How Does FSP Work?



## Monitoring FSP



## Results

Ticketmaster's overall tech stack has been simplified, leading to improved reliability and scalability. This will result in a streamlined development process.

## Conclusions

Modernizing legacy software that has existed for this long and on a large scale is a complex task. Instead, modernizing must be done in increments when available time and resources allow it. The term "modern" is relative to the time, so the process of modernization must always be kept as a priority. Incorporating FSP not only aids integration with modern systems but also represents a pivotal step towards future-proofing Ticketmaster's infrastructure.

## Acknowledgments

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