

# **DORA metrics in Eiffel**

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# **In this talk**

- **The DORA metrics**
- **DORA metrics through Eiffel events**



# DORA

DEVOPS RESEARCH & ASSESSMENT

# The DORA metrics

# Deployment Frequency

# Deployment Frequency

**How often does your organization **deploy code to production or release it to end users?****

# Lead Time for Changes

# Lead Time for Changes

How long does it take to go from code committed to code successfully running in production?



**Change Failure Rate**

# Change Failure Rate

**What percentage of changes to production or releases to users result in degraded service and subsequently require remediation?**

**Time to Restore**

# Time to Restore

**How long does it generally take to restore service when a service incident or a defect that impacts users occurs?**

# **DORA Metrics**

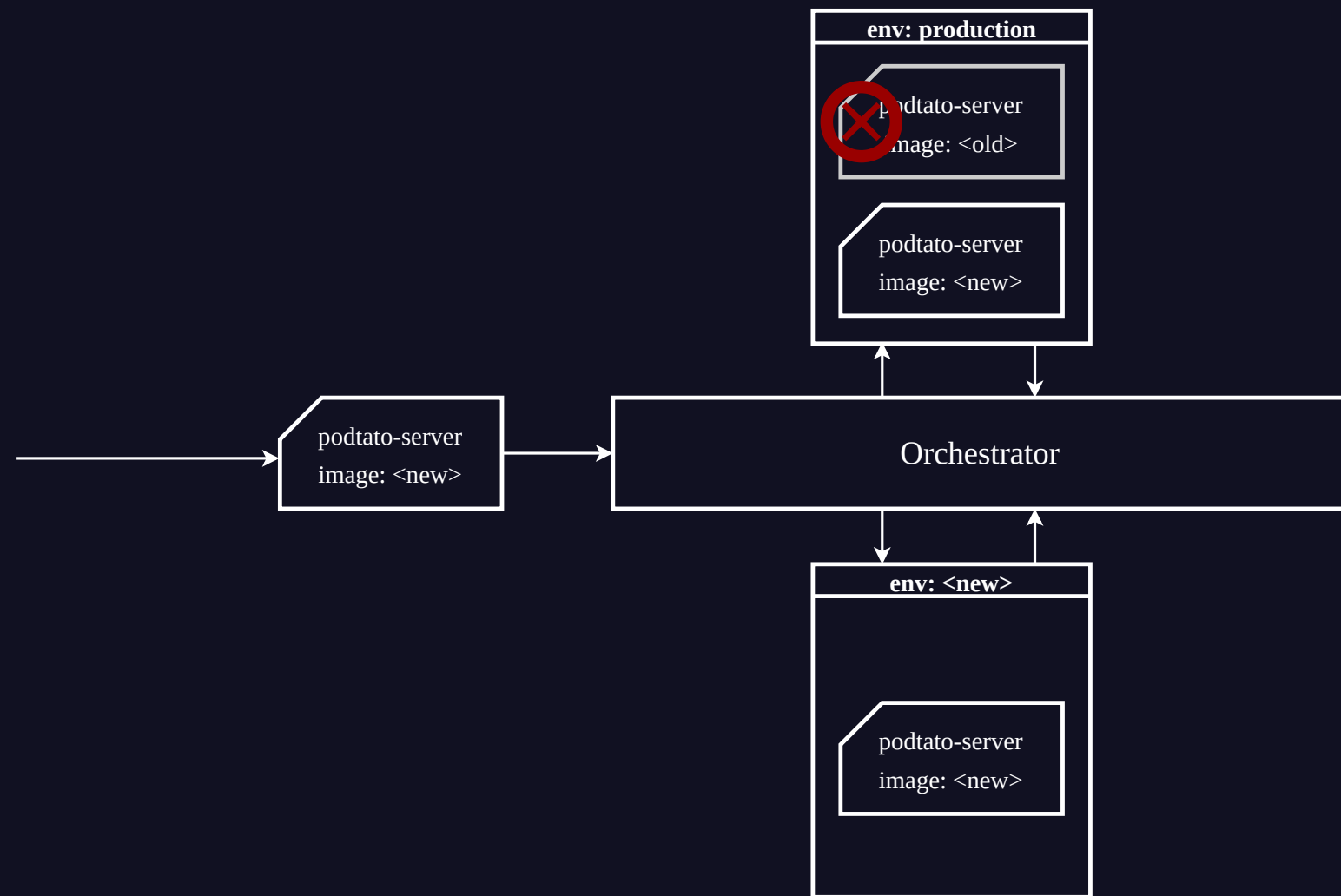
- **Deployment Frequency**
- **Lead Time for Changes**
- **Change Failure Rate**
- **Time to Restore**

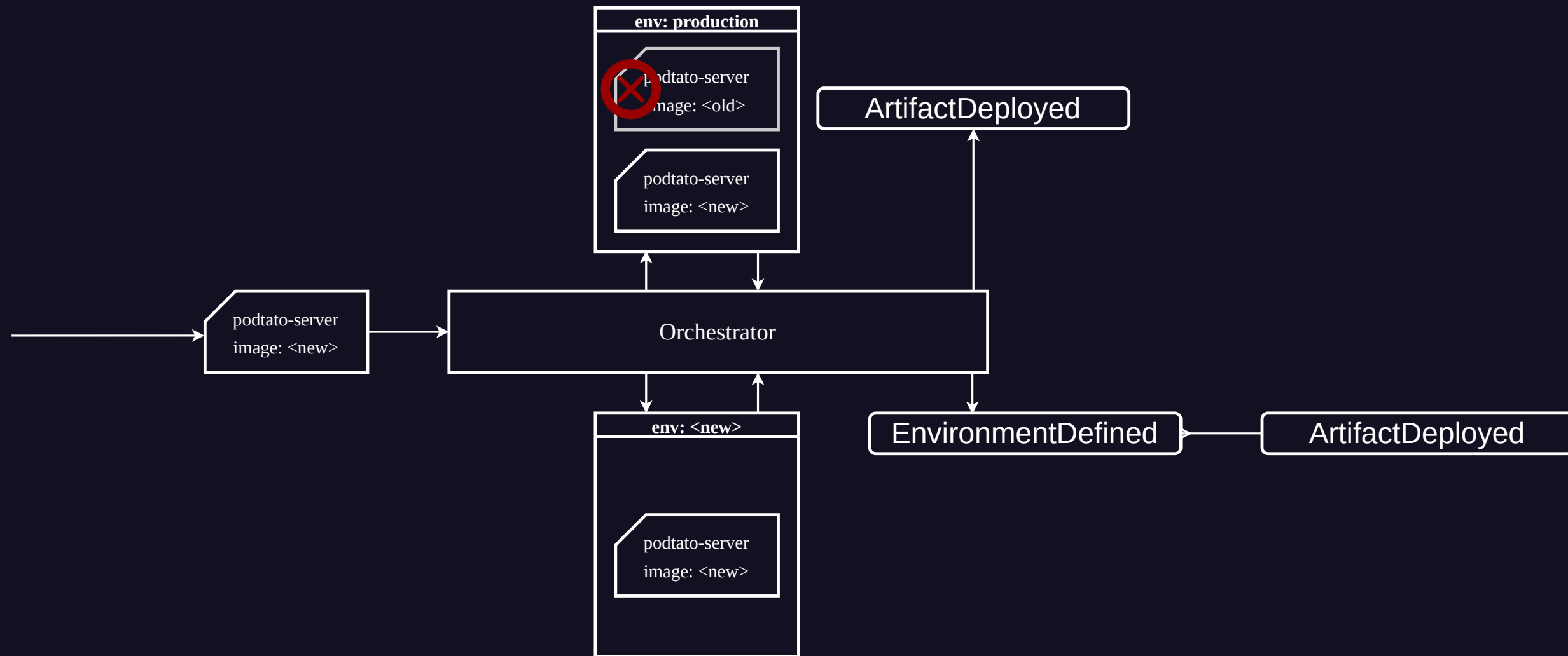
# Metrics through Eiffel

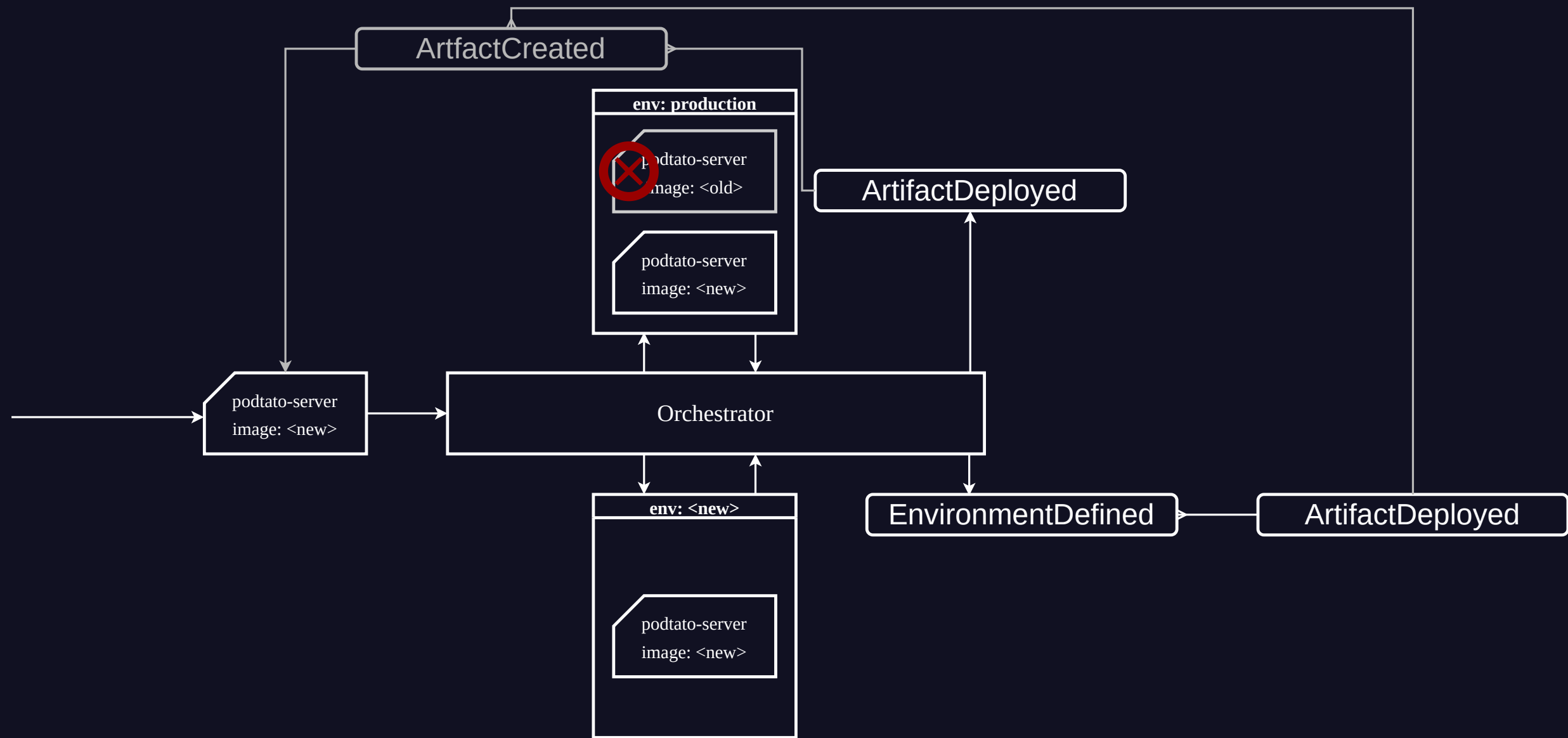
# Deployment Frequency

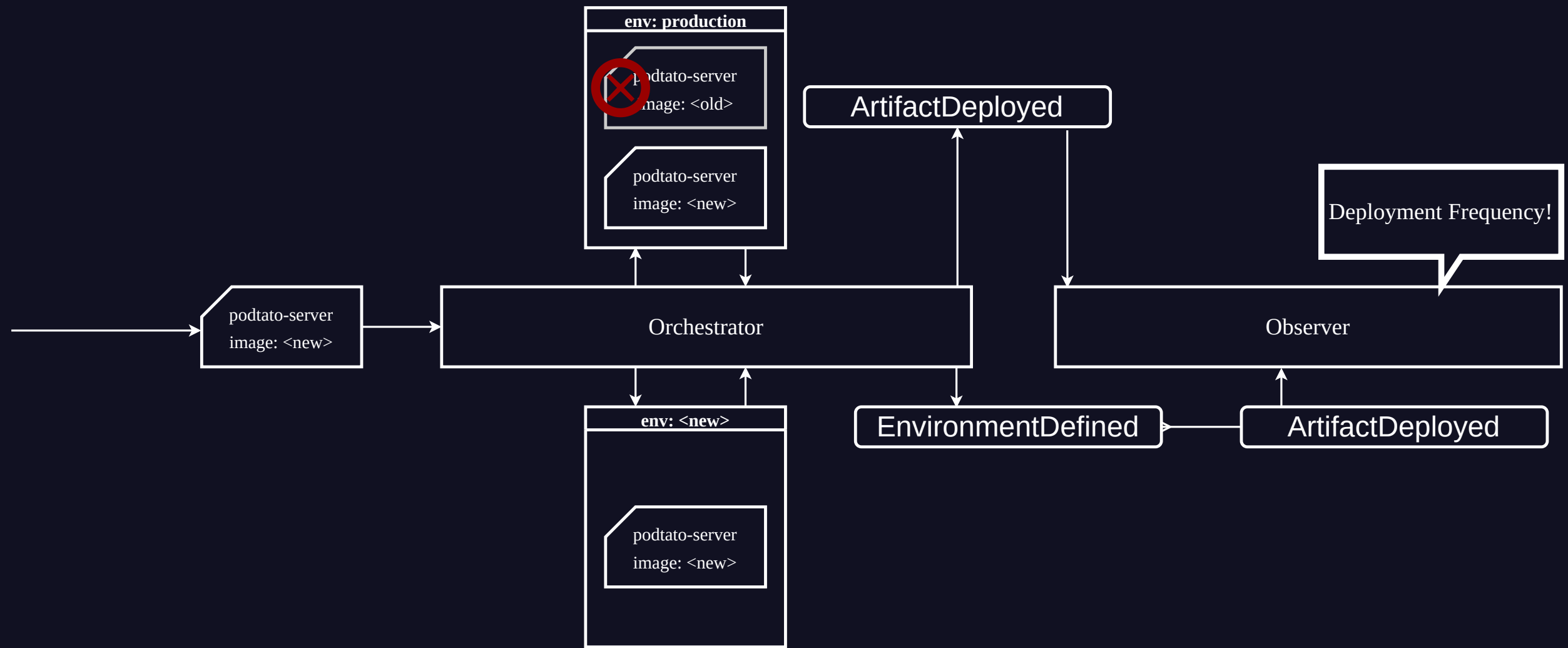








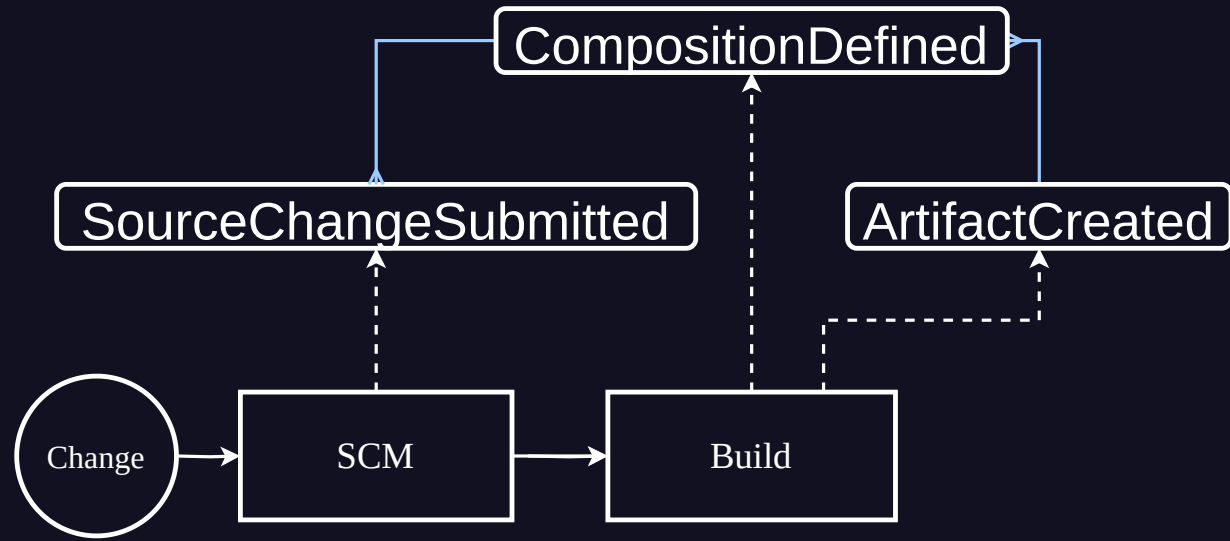




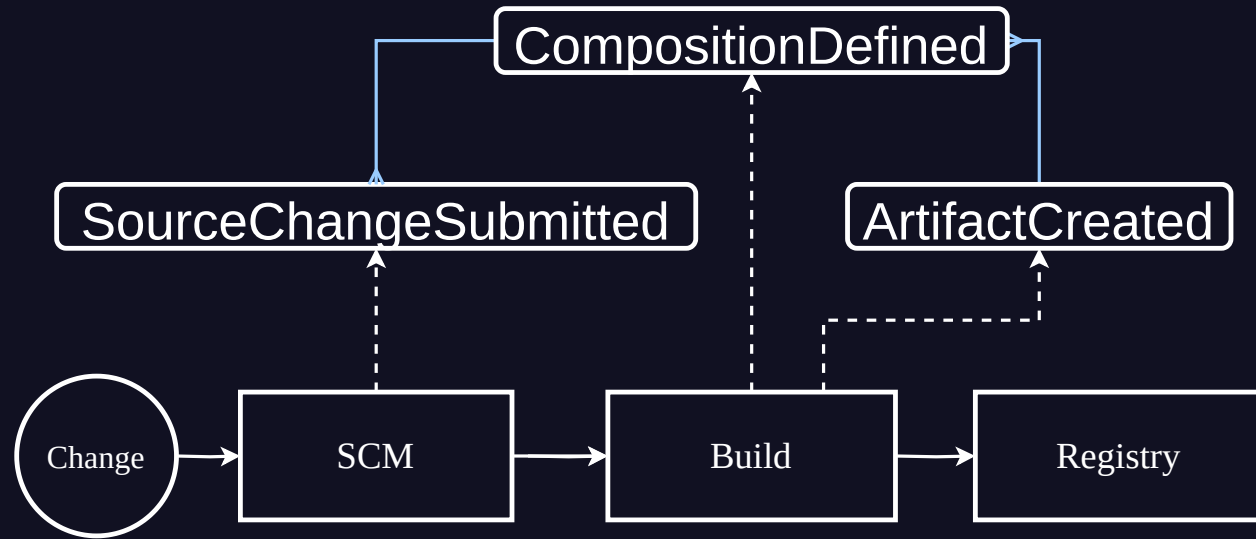
# Lead Time for Changes

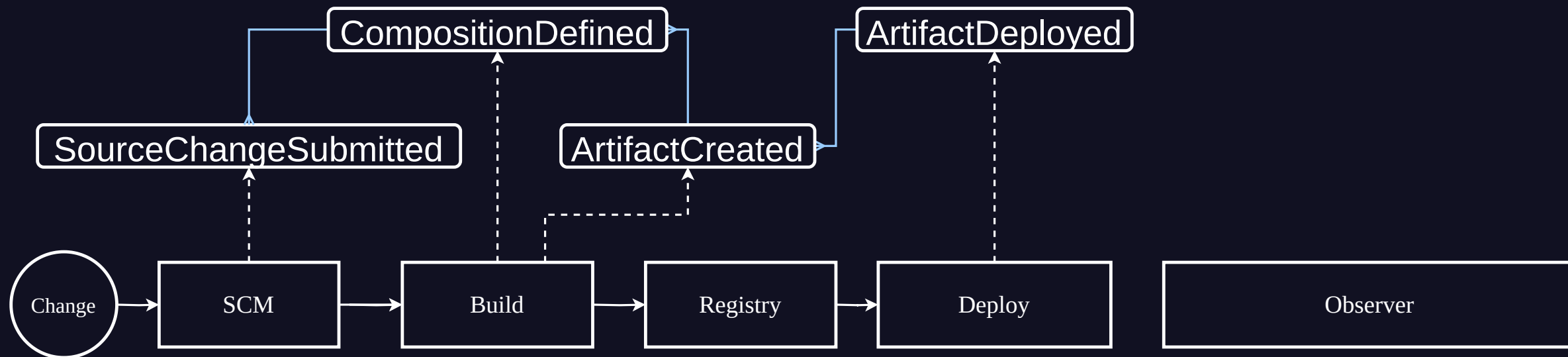


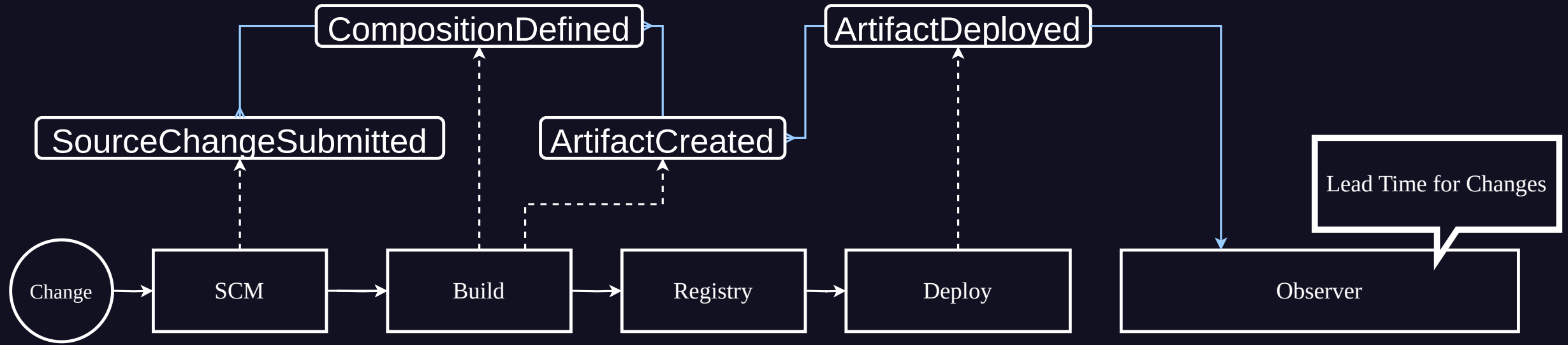




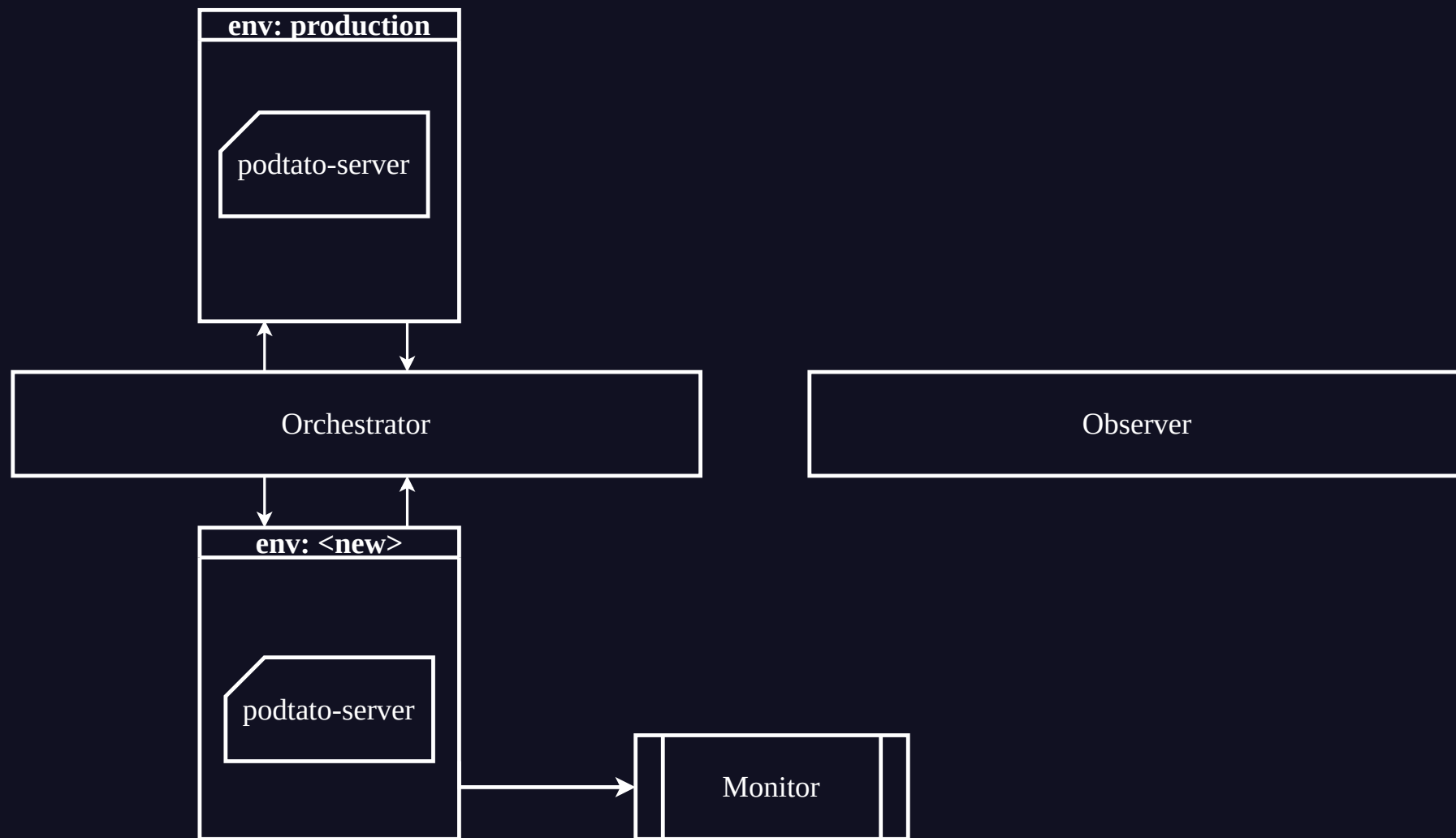


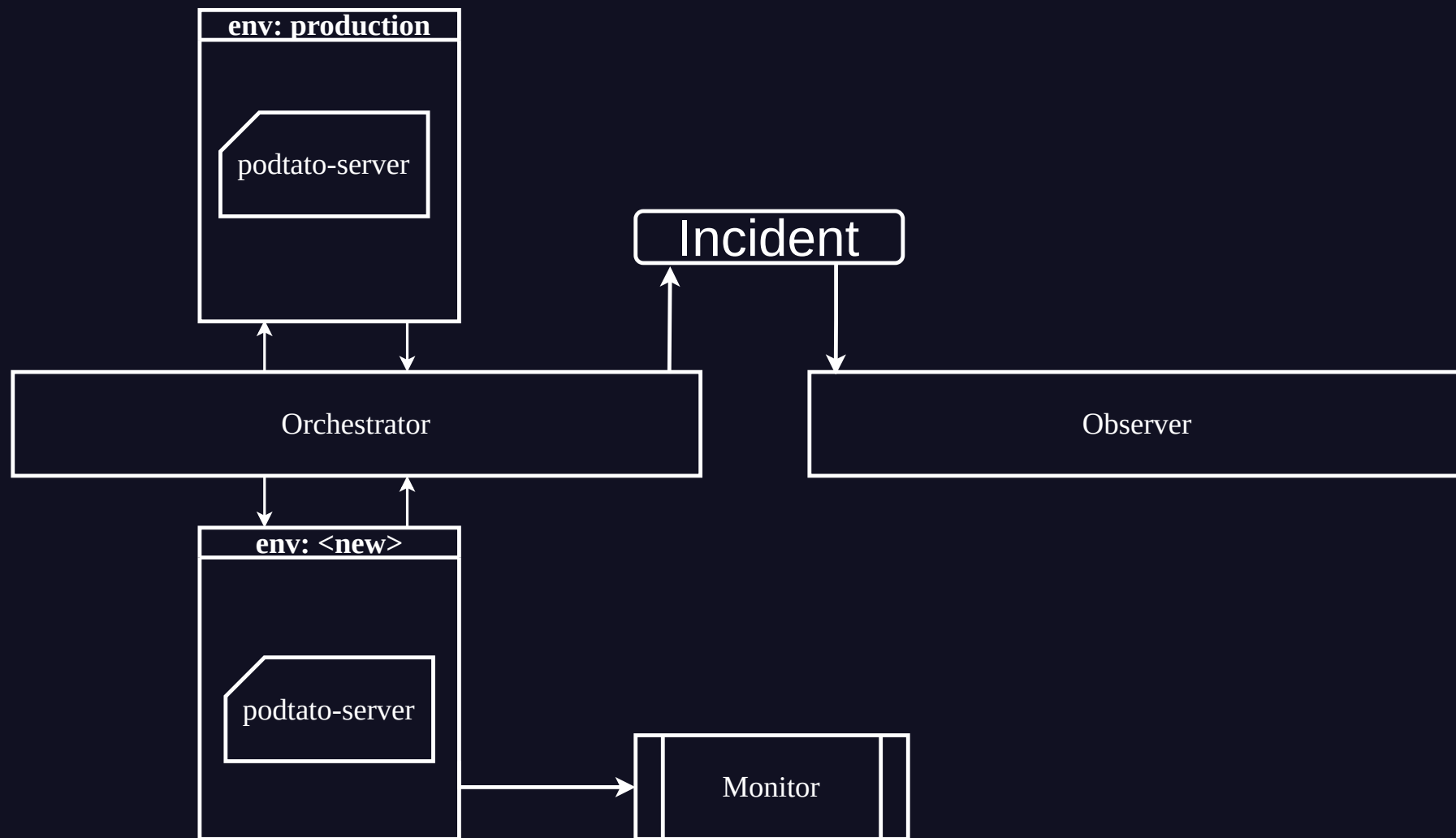


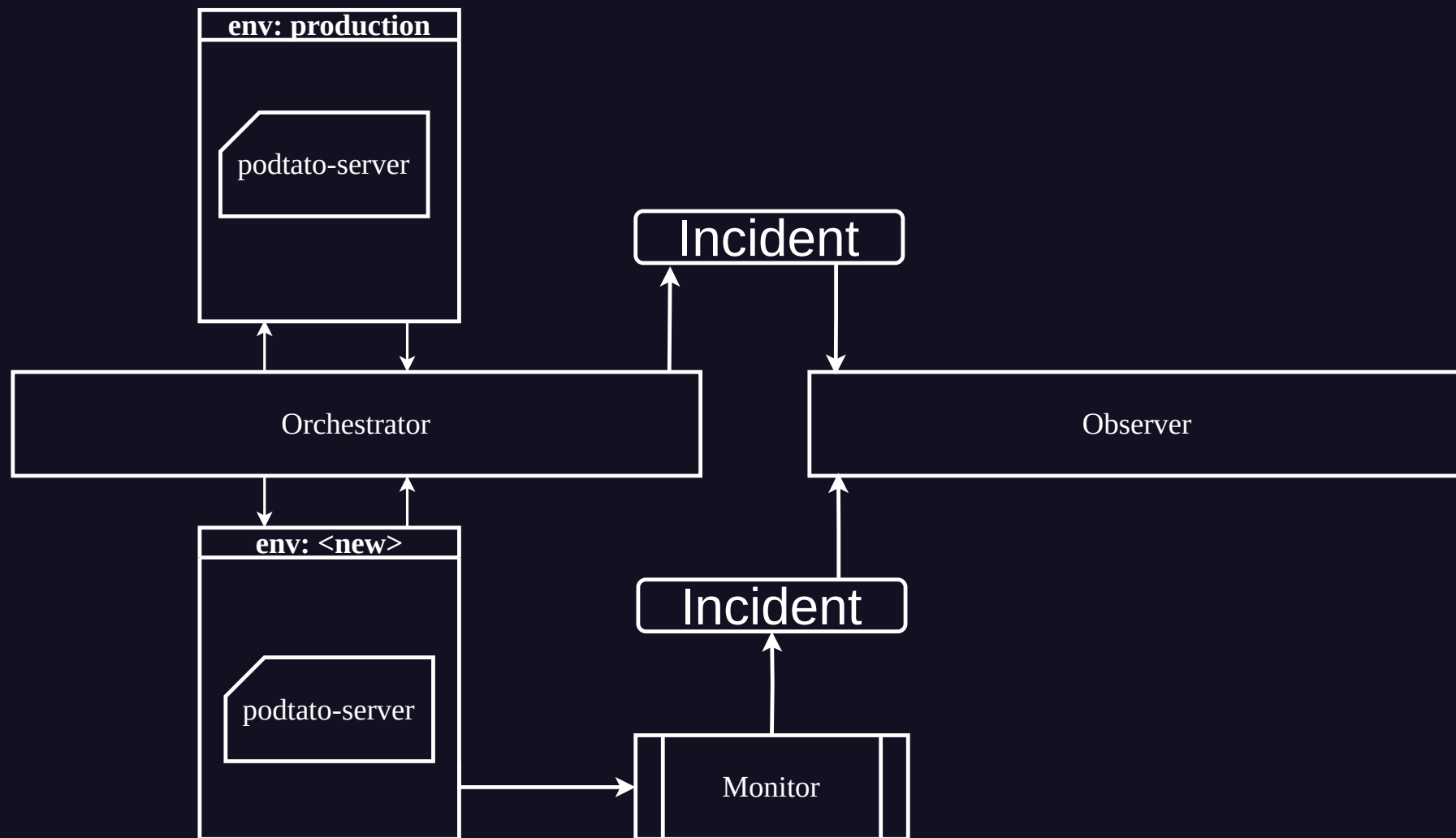


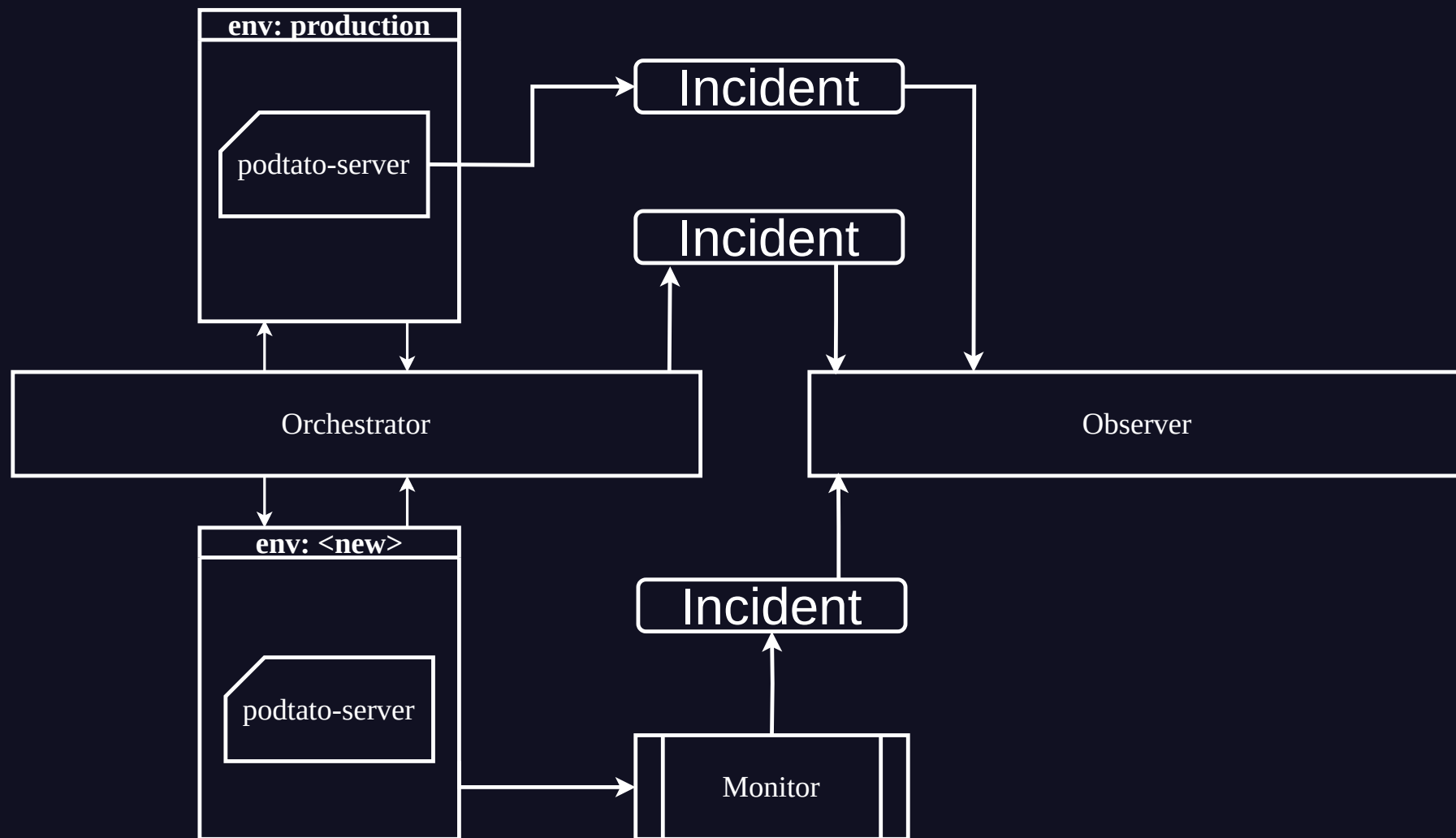


**Change Failure Rate**

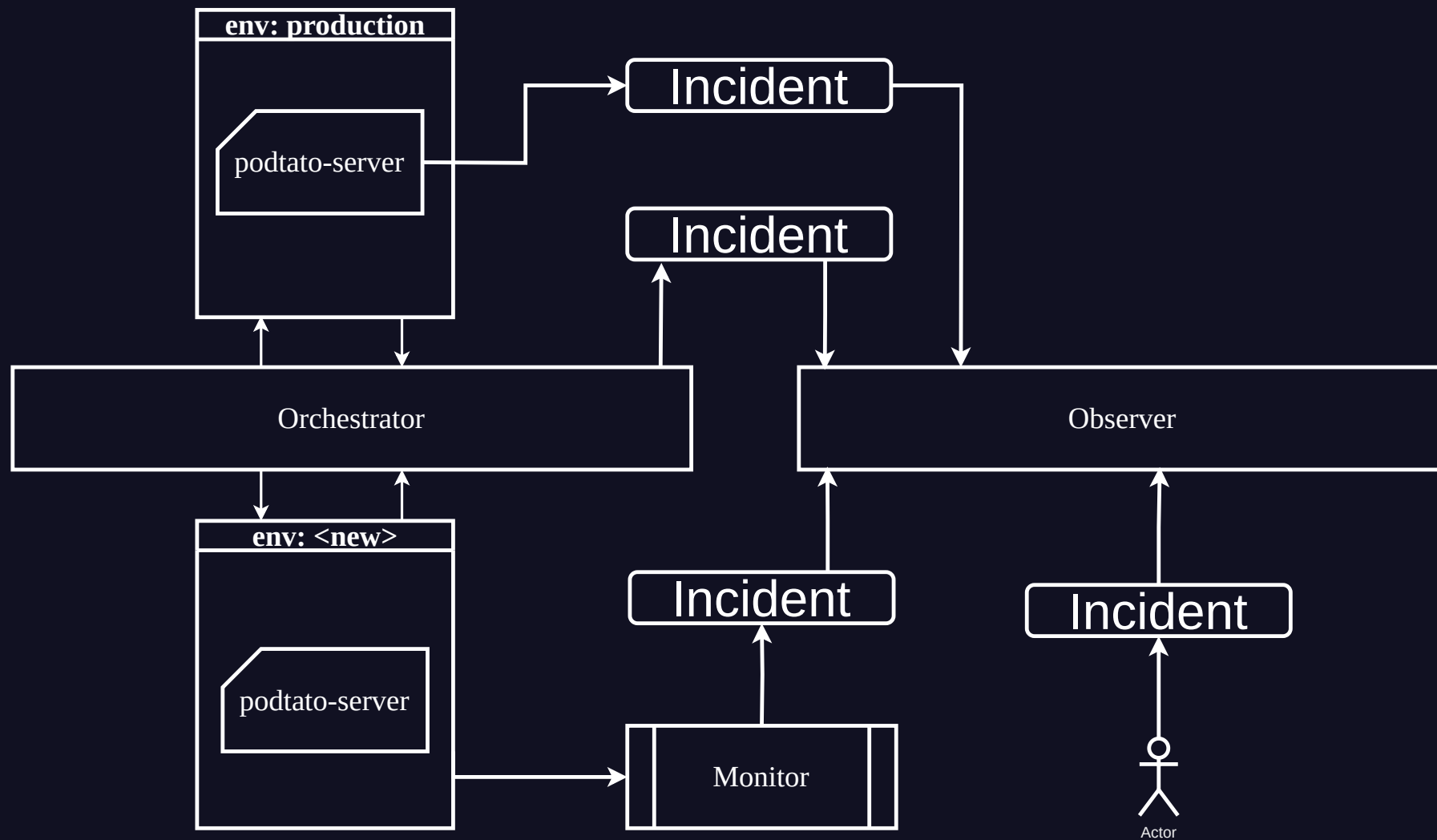


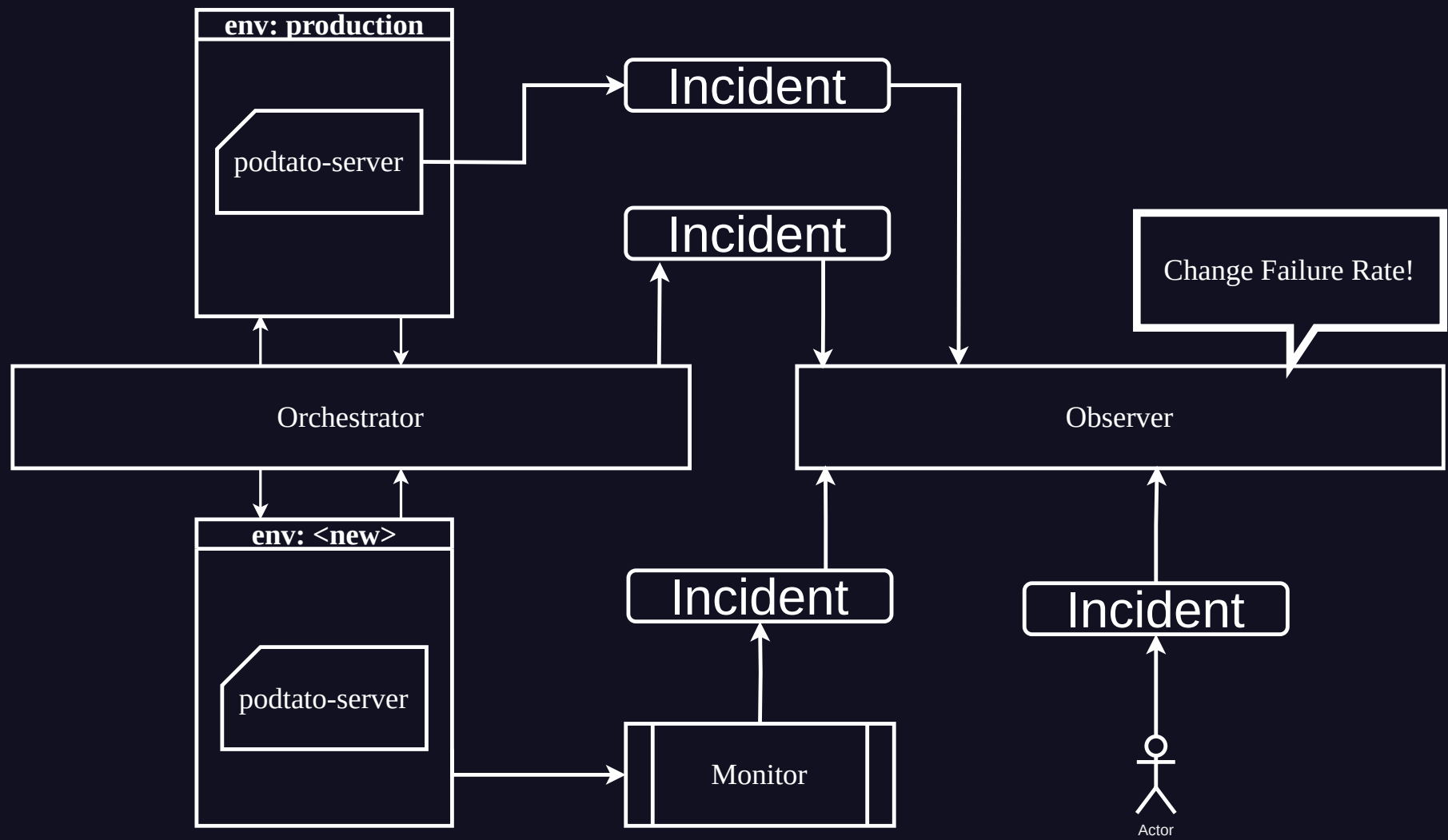








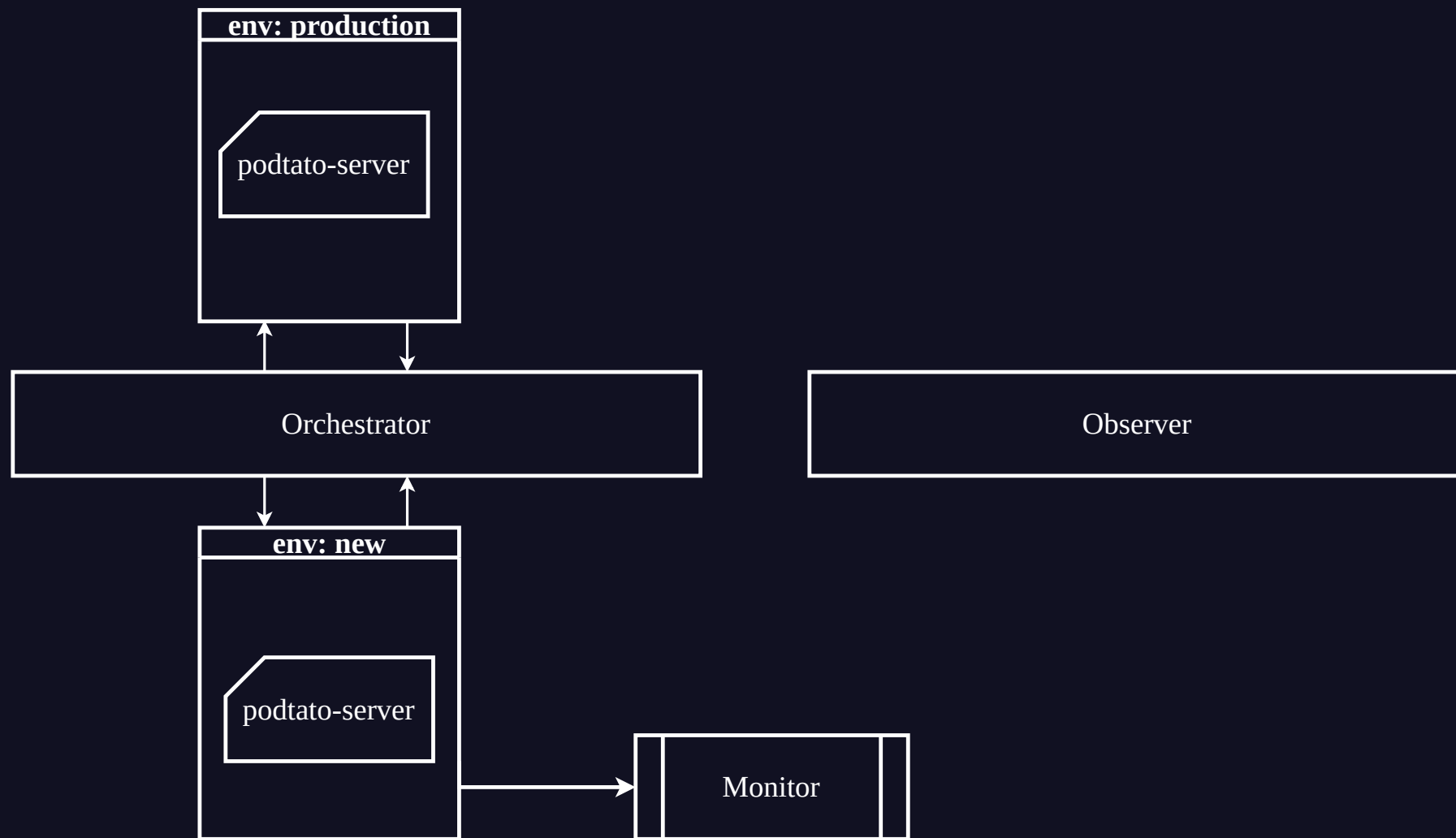


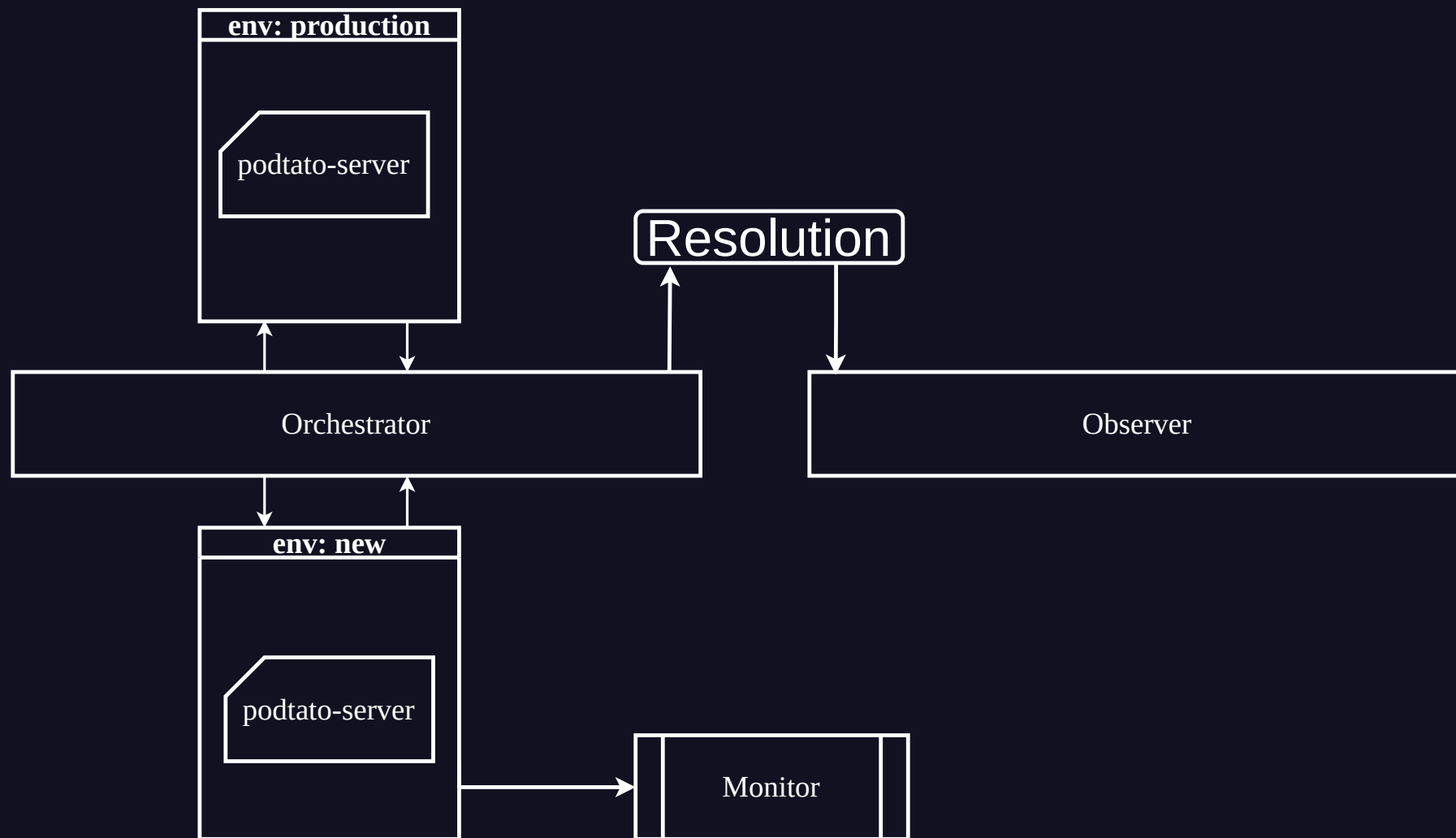


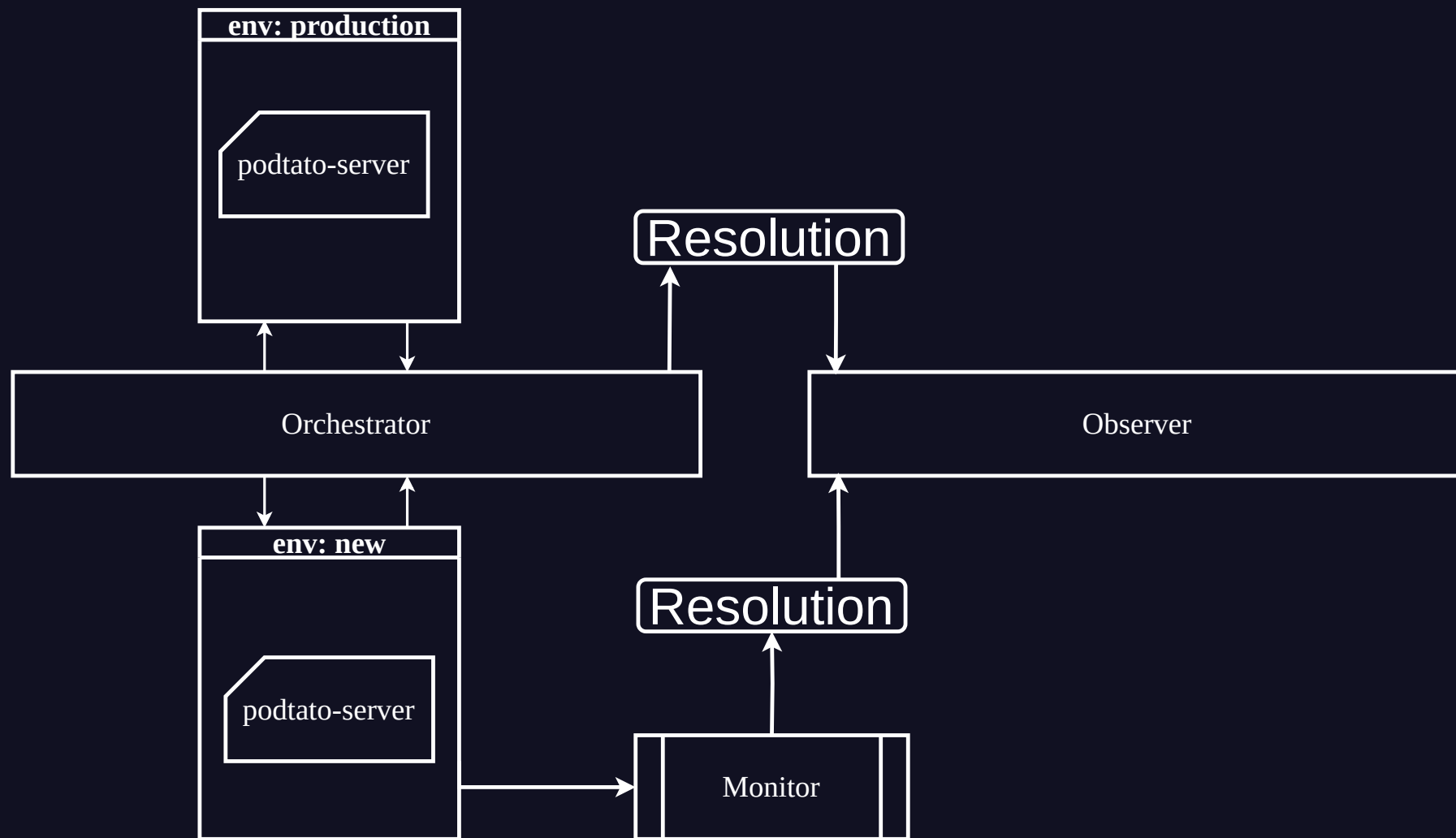
**No dedicated incident event**

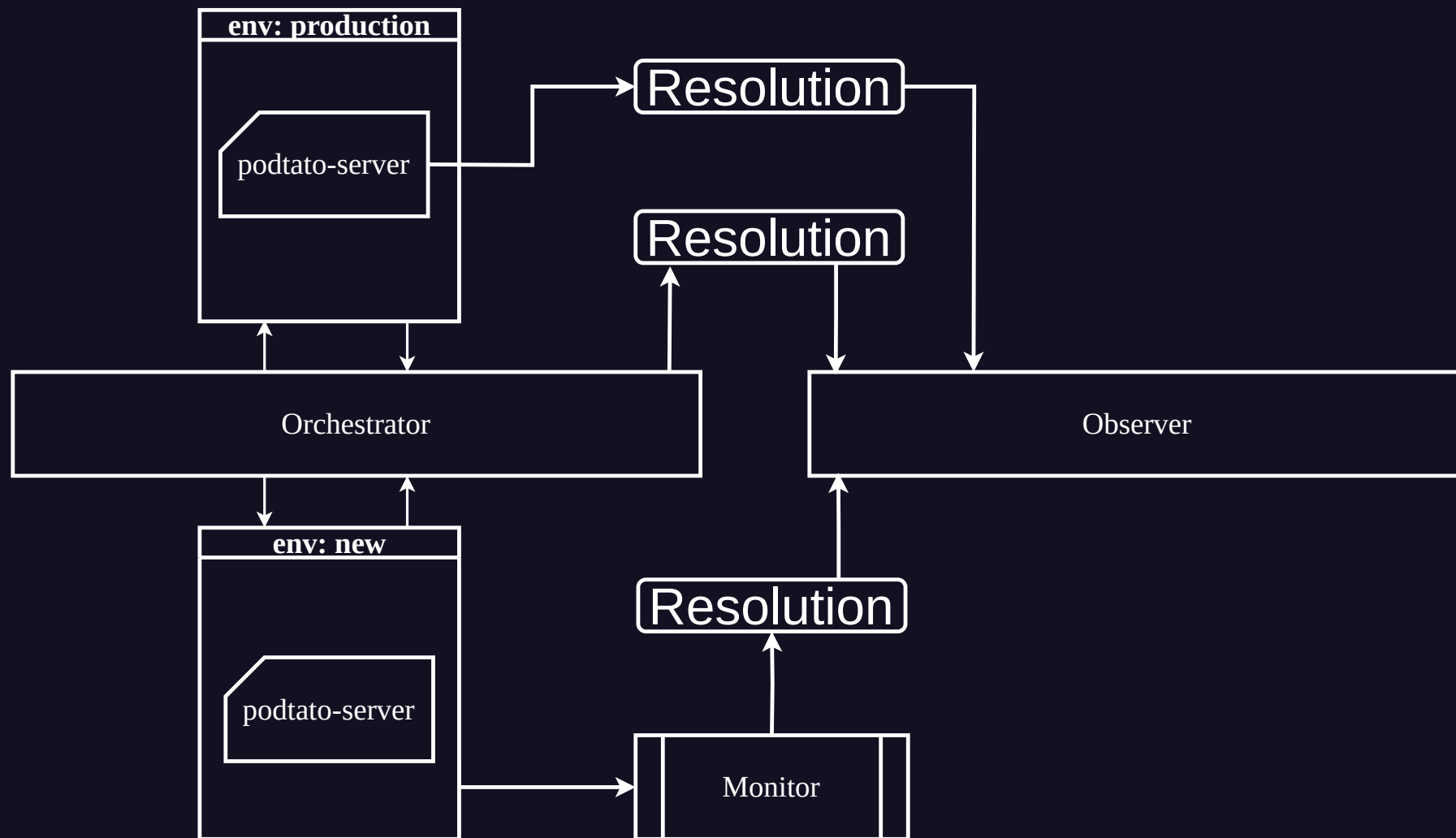
**Suggestion: AnnouncementPublished**

**Time to Restore**

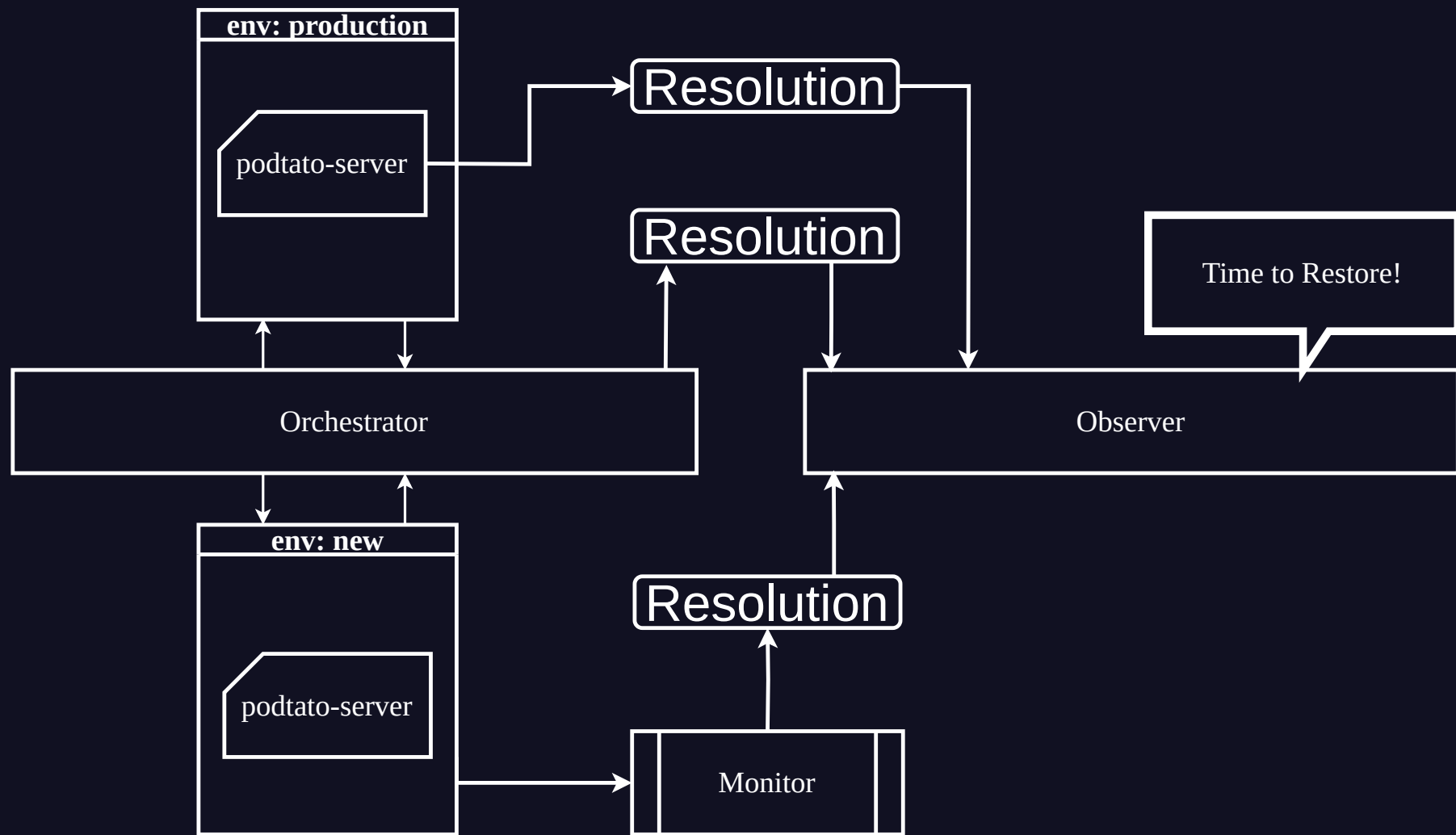












**No dedicated resolution event**

**Suggestion: AnnouncementPublished**

# **DORA Metrics**

- **Deployment Frequency**
- **Lead Time for Changes**
- **Change Failure Rate**
- **Time to Restore**

Deployment Frequency!

Lead Time for Changes

Change Failure Rate!

Time to Restore

Observer

SourceChangeSubmitted

ArtifactCreated

ArtifactDeployed

AnnouncementPublished



Deployment Frequency!

Lead Time for Changes

Change Failure Rate!

Time to Restore

Observer

# Eiffel as the common language

SourceChangeSubmitted      ArtifactCreated      ArtifactDeployed      AnnouncementPublished



**Thank you!**

**Q&A**