

Intelligent Business Management in the Cloud

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ACME Corporation

During ACME Corporation's peak season it's e-commerce application was overwhelmed with requests, slowing application response time.

Operations teams were notified of the slow response time by the Line of Business responsible for e-commerce.

Operations teams reacted by providing more capacity for the application on a different Infrastructure as a Service platform.

ACME Corporation Problem

Lost Revenue

- High MTTR for e-commerce slow response time

Increased Cost

- Infrastructure platform utilized by operations team had higher total cost per transaction

Increased Risk

- Failed governance requirements (PCI-DSS) because the new infrastructure platform used for additional resources was not compliant

Increased Process Complexity

- No separation between the implementation and business rules

Lack of Control

- Unable to determine workload placement in business context

What If

What if the Cloud Management Platform was more aware of the ACME Corporation's requirements as a business and could ...

- Respond to events?
- Allow for complex business workflows?
- Manage workloads with the business in mind?
- Rapidly adapt to business changes?

The Answer

JBoss BPMS

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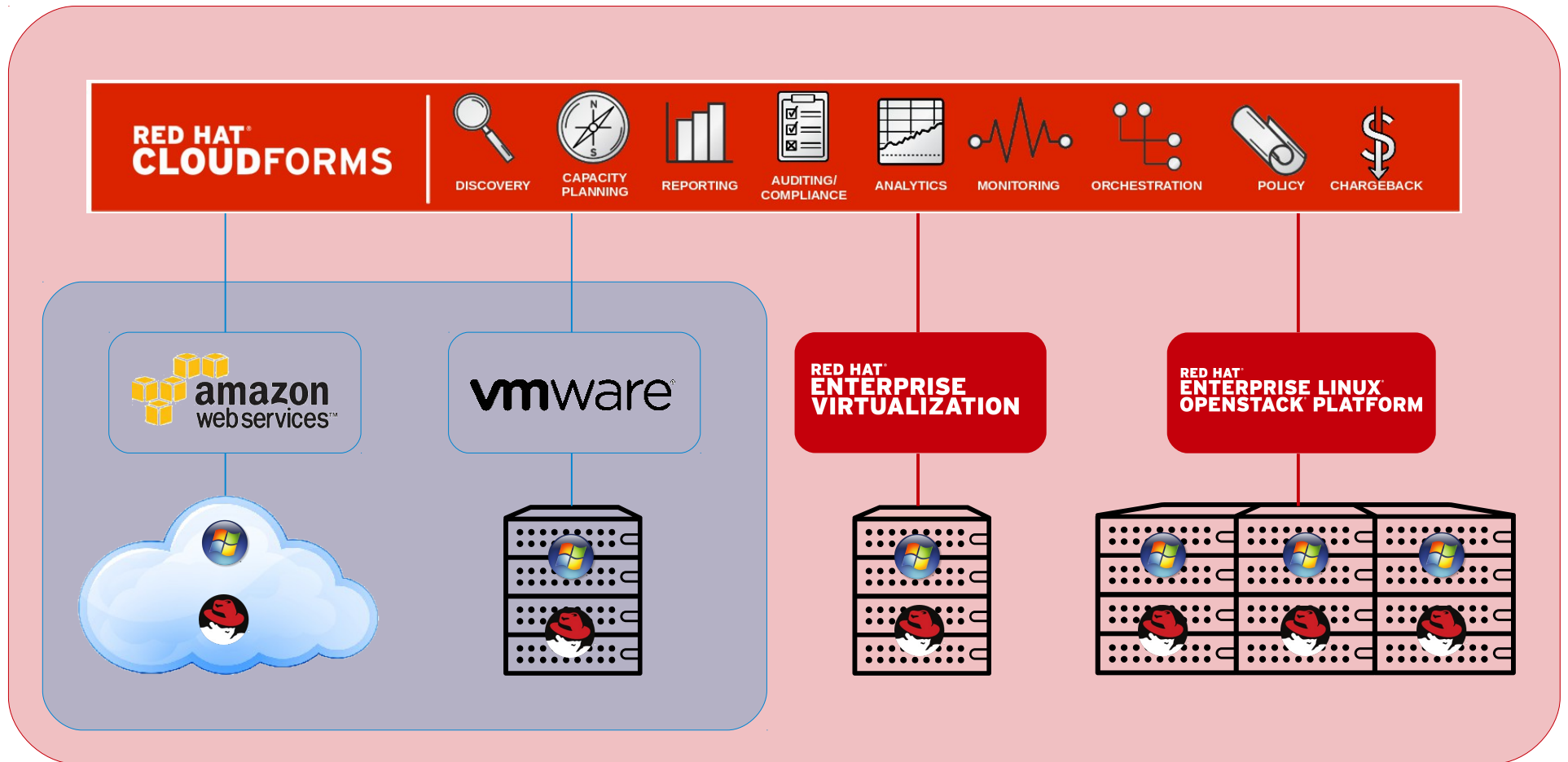
Red Hat CloudForms

Level Setting

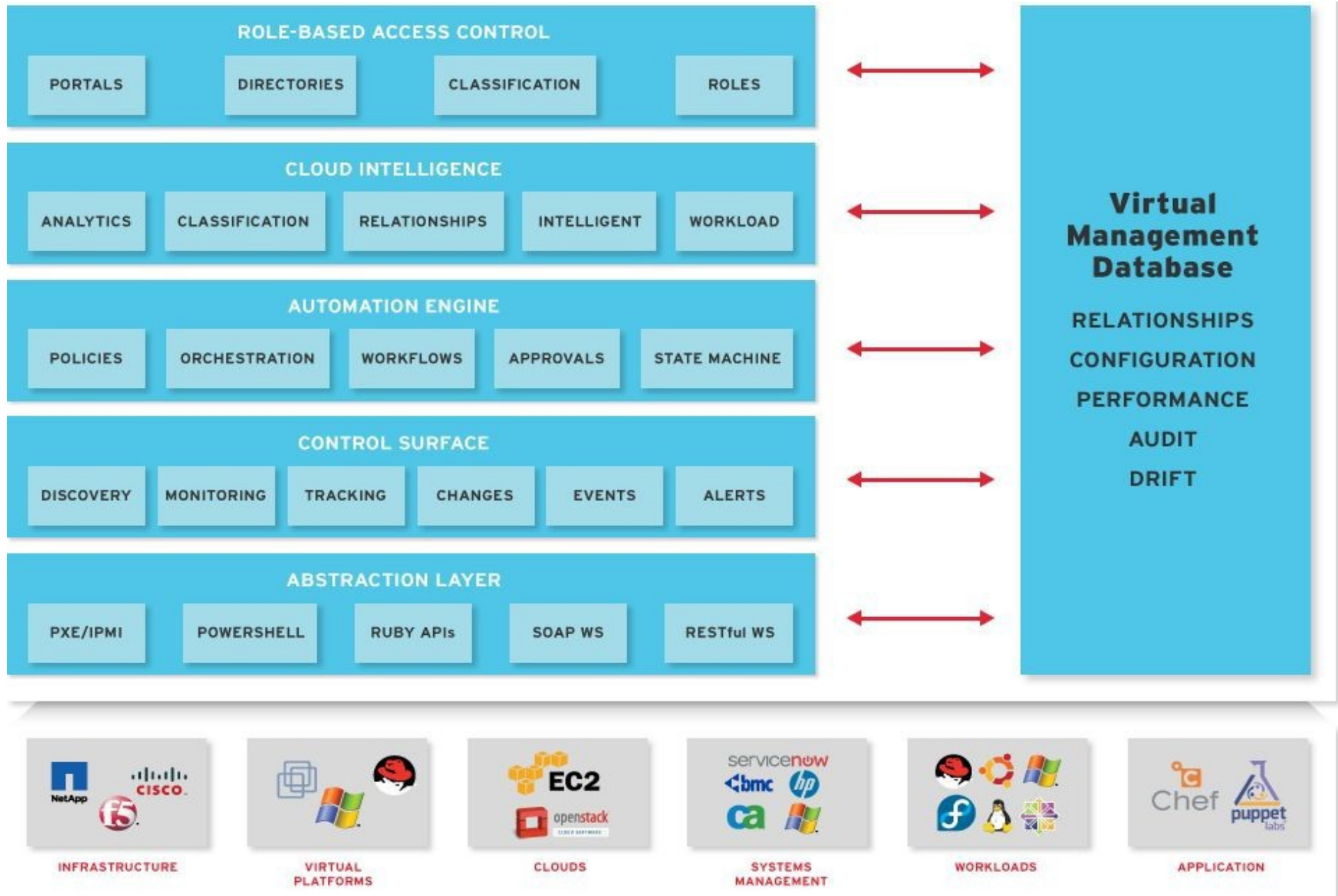
What is a CMP?

What is a BPMS?

What is a CMP?



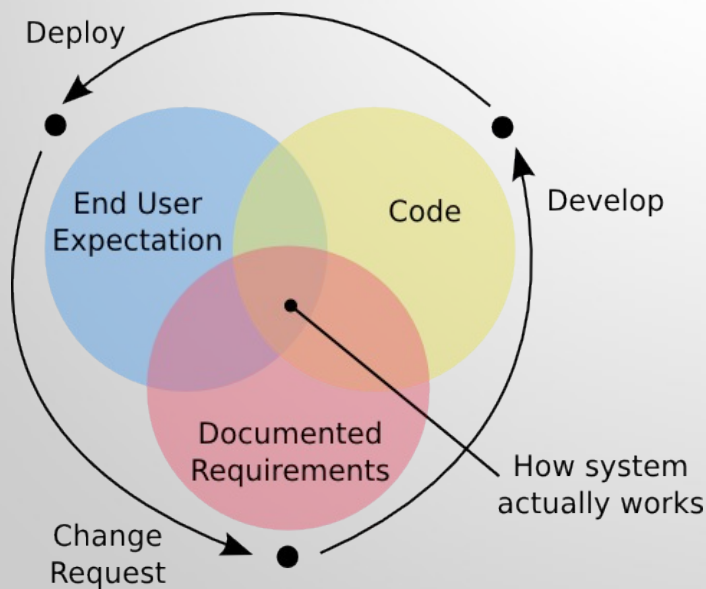
What is a CMP?



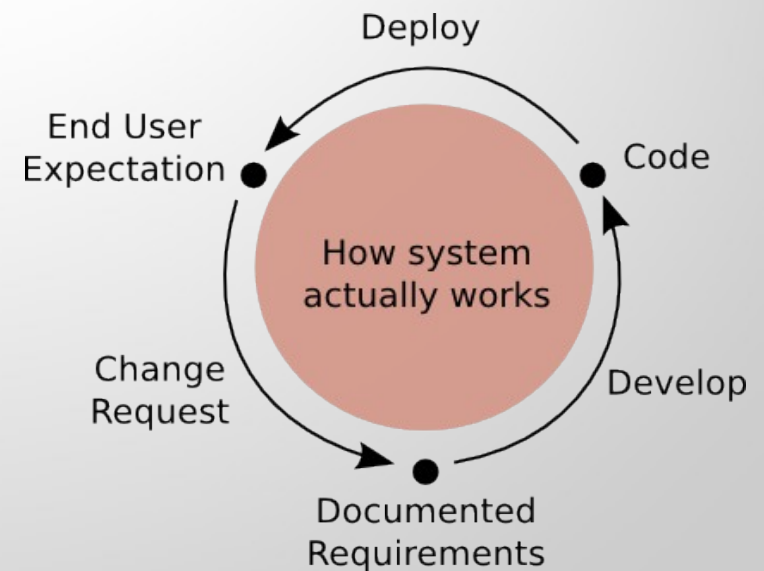
Business Knowledge Mgmt system

Why Business Knowledge Management?

- Automate manual, opaque, error-prone processes
- Extract and represent requirements in the business domain using a variety of forms:
 - Decision Tables, Domain Specific Language, Flow charts, Data Models, ...
- Collaborate: Shared Repository, Historical Tracking, Deployment Lifecycle
- Monitor and Continuously Improve



Without a Rules Solution



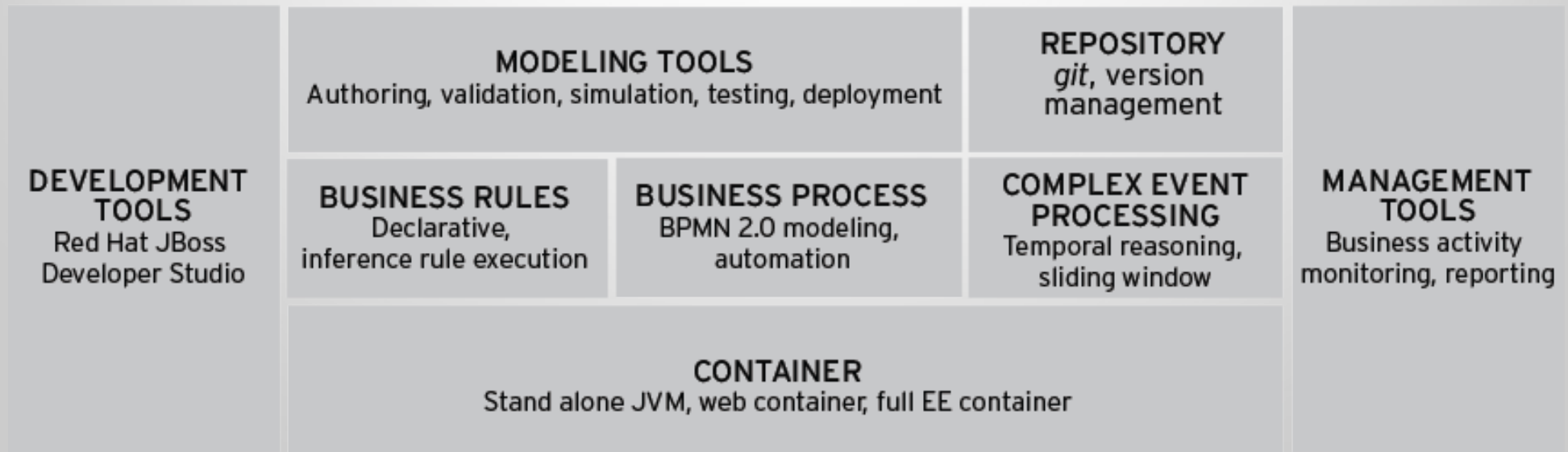
With a Rules Solution

BPMS Overview

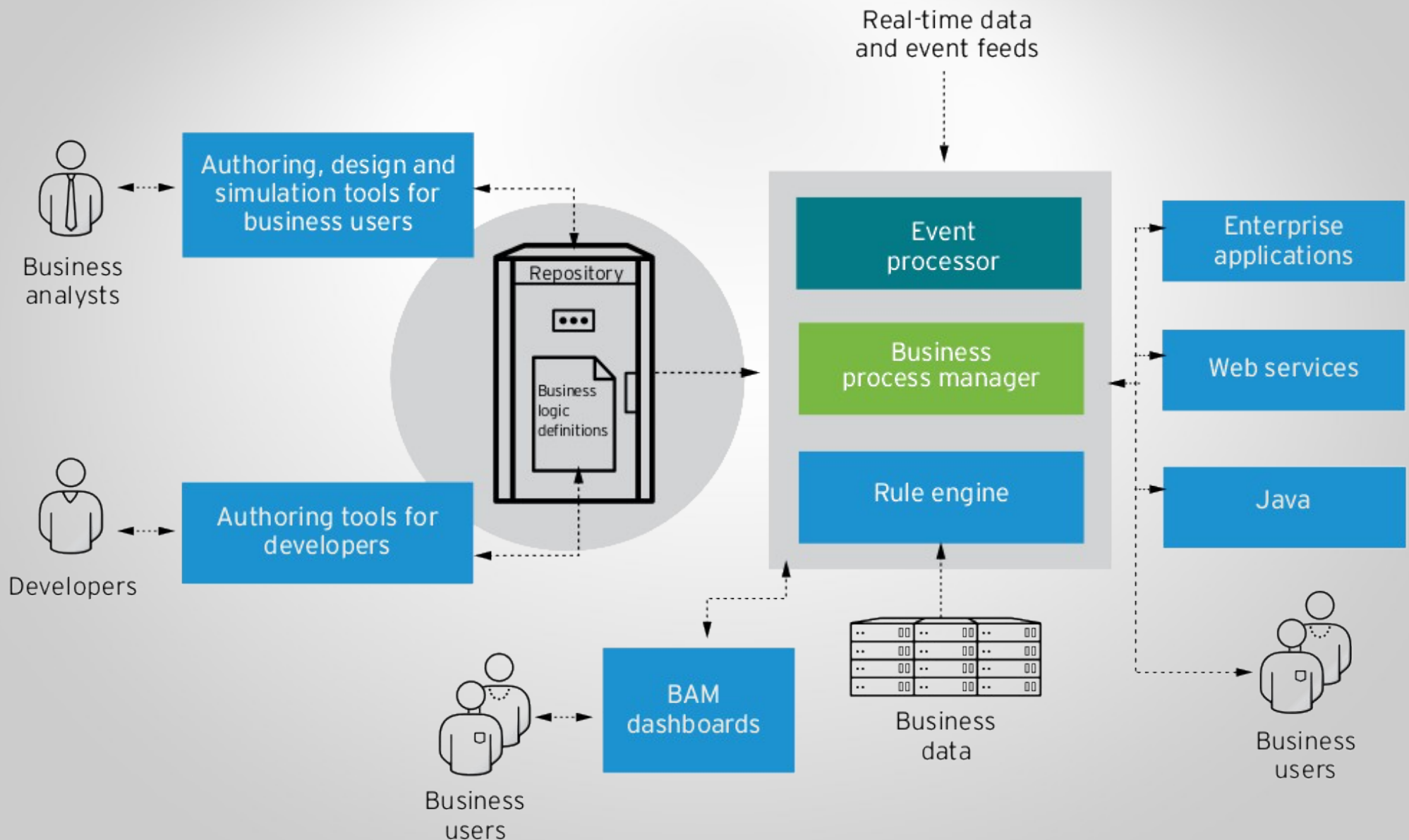
High Level Components

- ▶ Eclipse based Development Tooling
- ▶ Web based Business User Authoring, and Process Service
- ▶ Source and Archive Repository
- ▶ Engines with Unified API: BPM, Rule, CEP, Planner
- ▶ Choice of container
- ▶ Business Activity Monitoring / Reporting

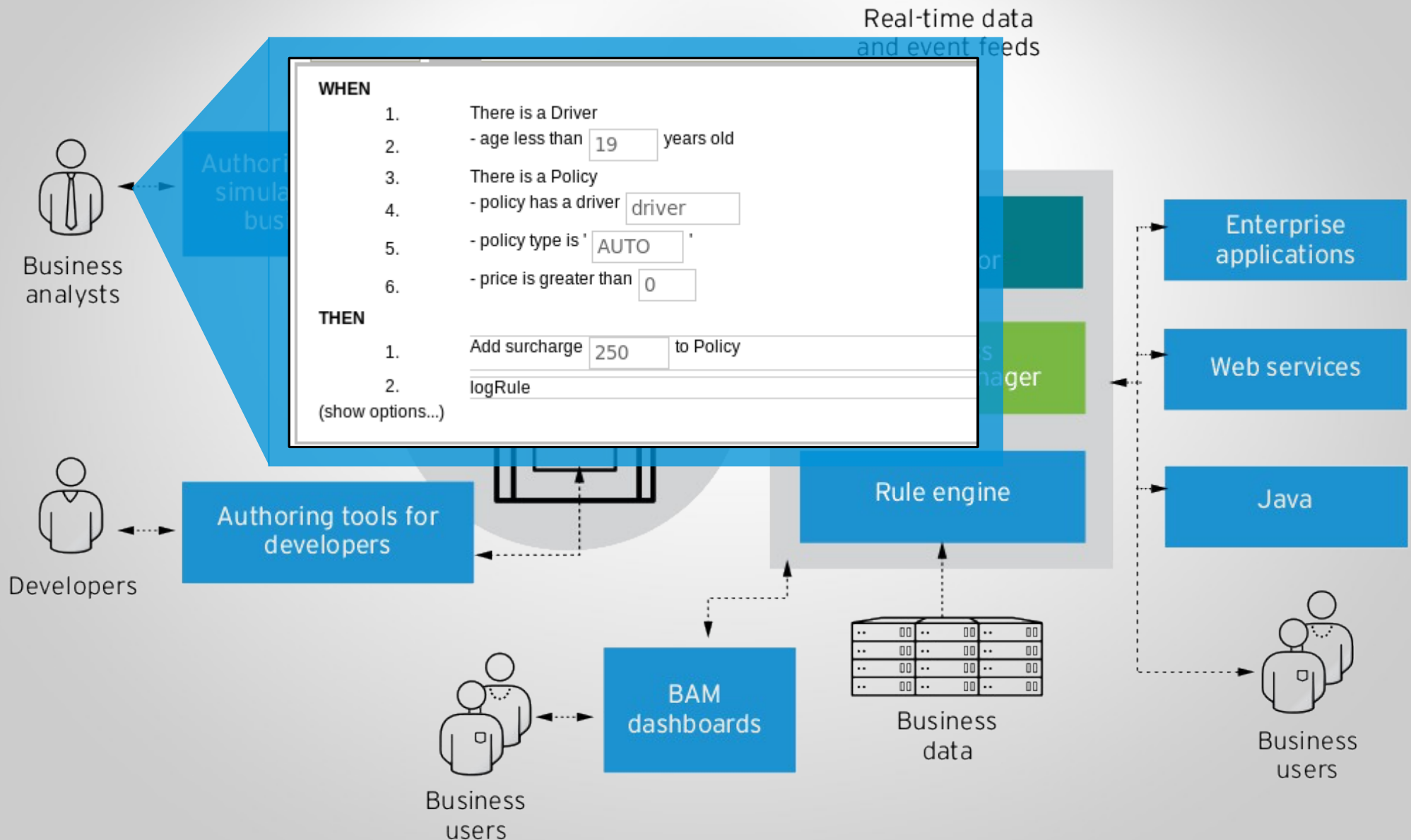
RED HAT JBOSS BPM SUITE



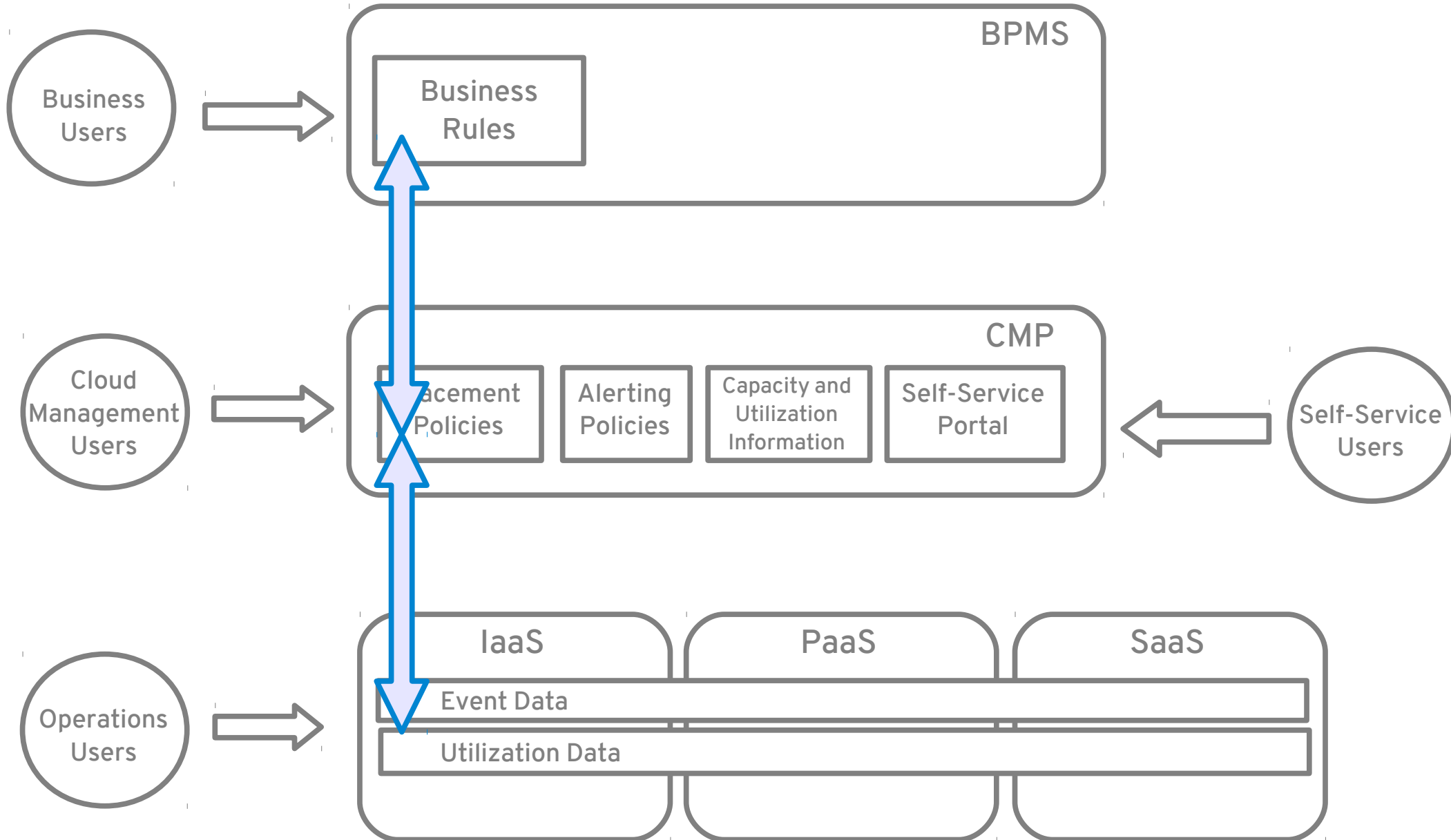
Product Overview



Web based Authoring – DSL



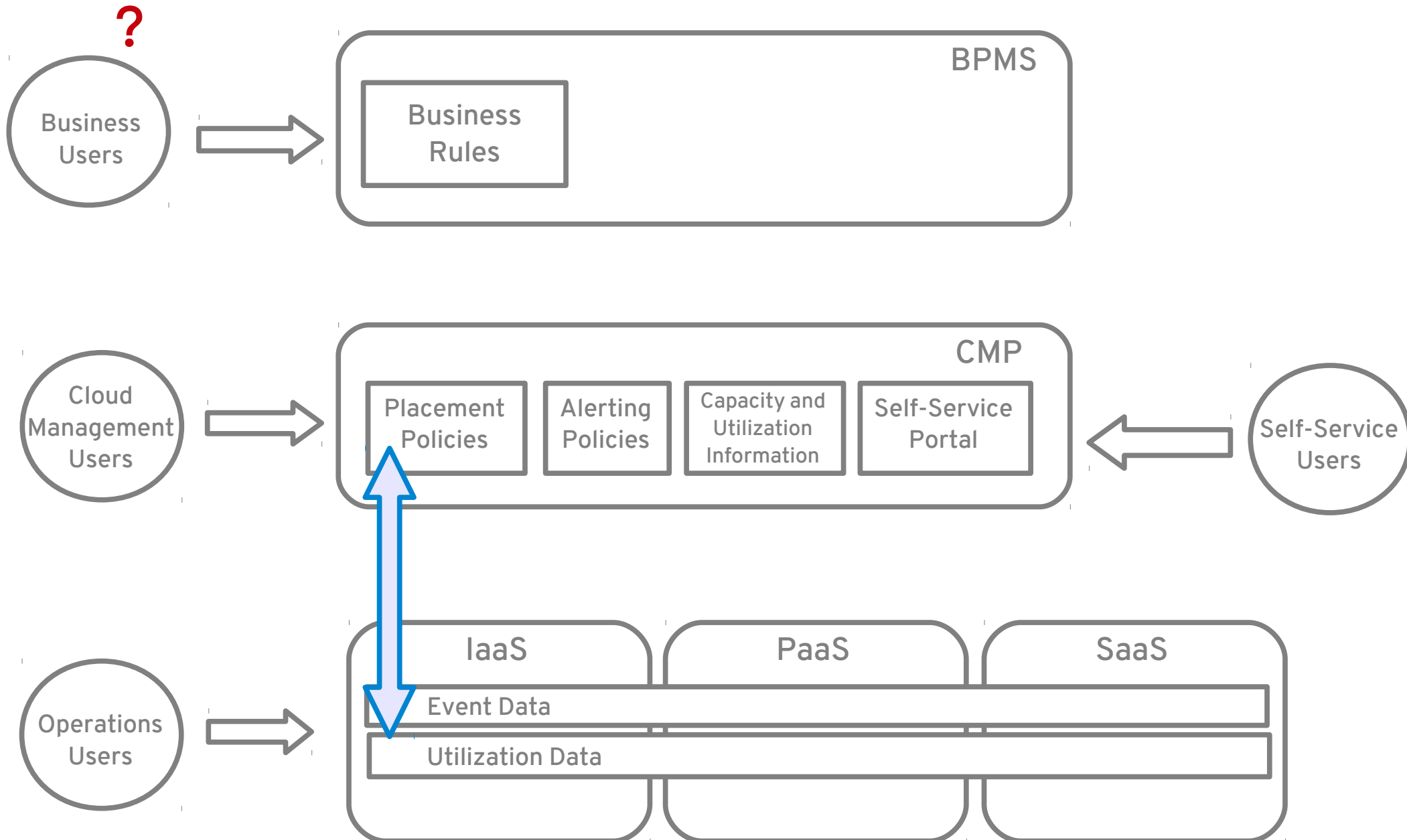
BPMS + CMP



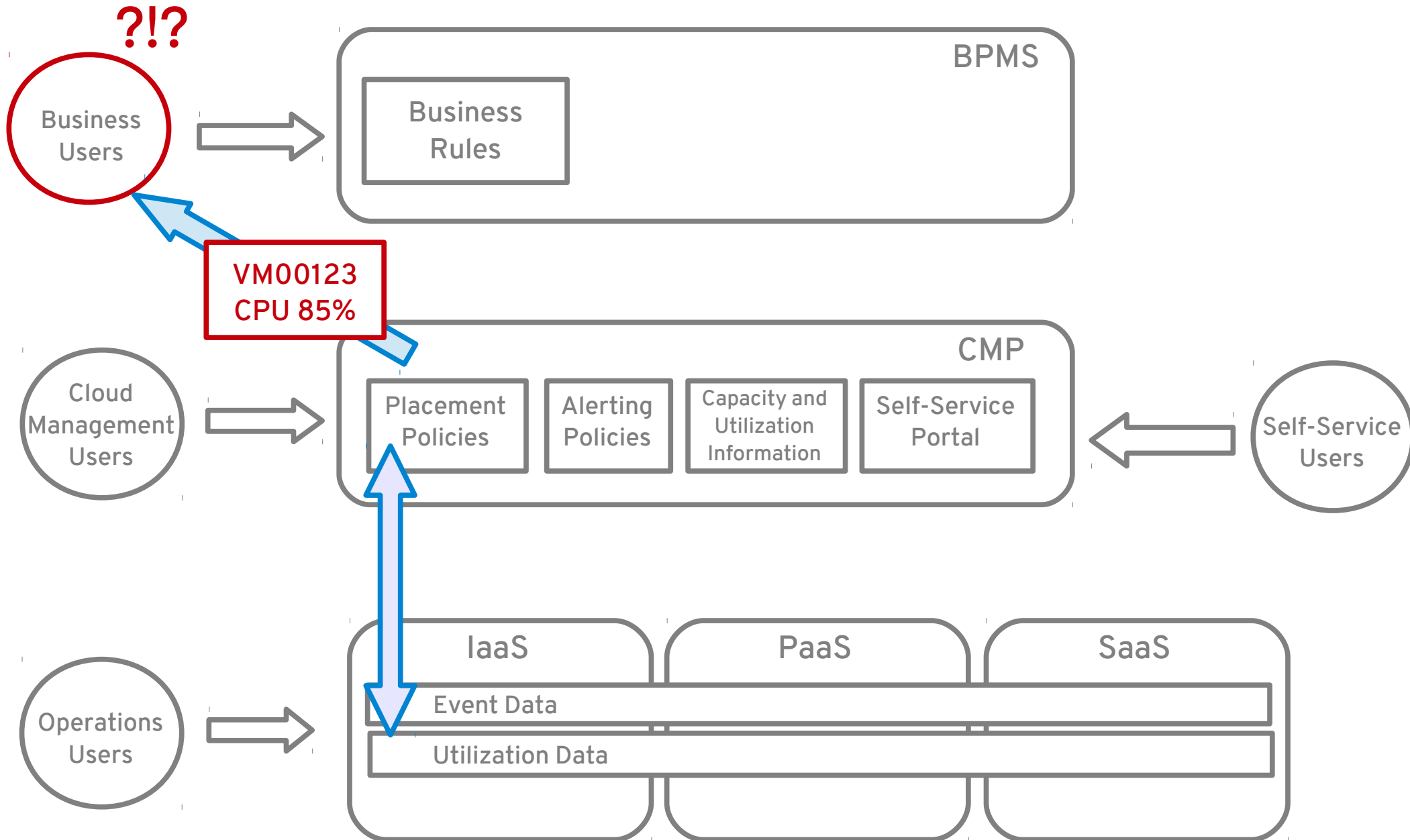
Responding to Events

How to notify business users of events taking place in the infrastructure intelligently and in a way the business user understands

Responding to Events



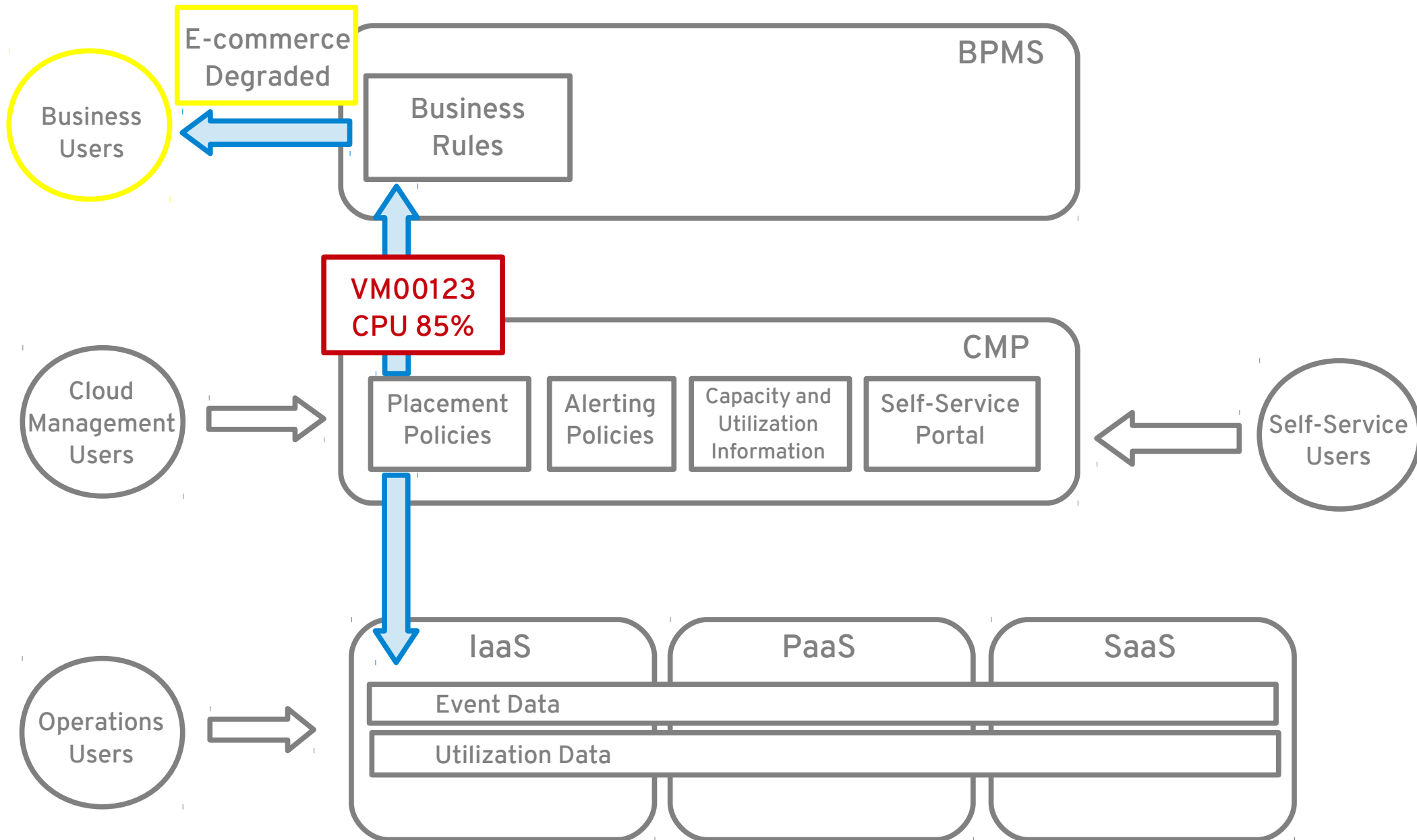
Responding to Events



Responding to Events

Give the business user notifications/alerts with rich contextual information that they understand

Responding to Events



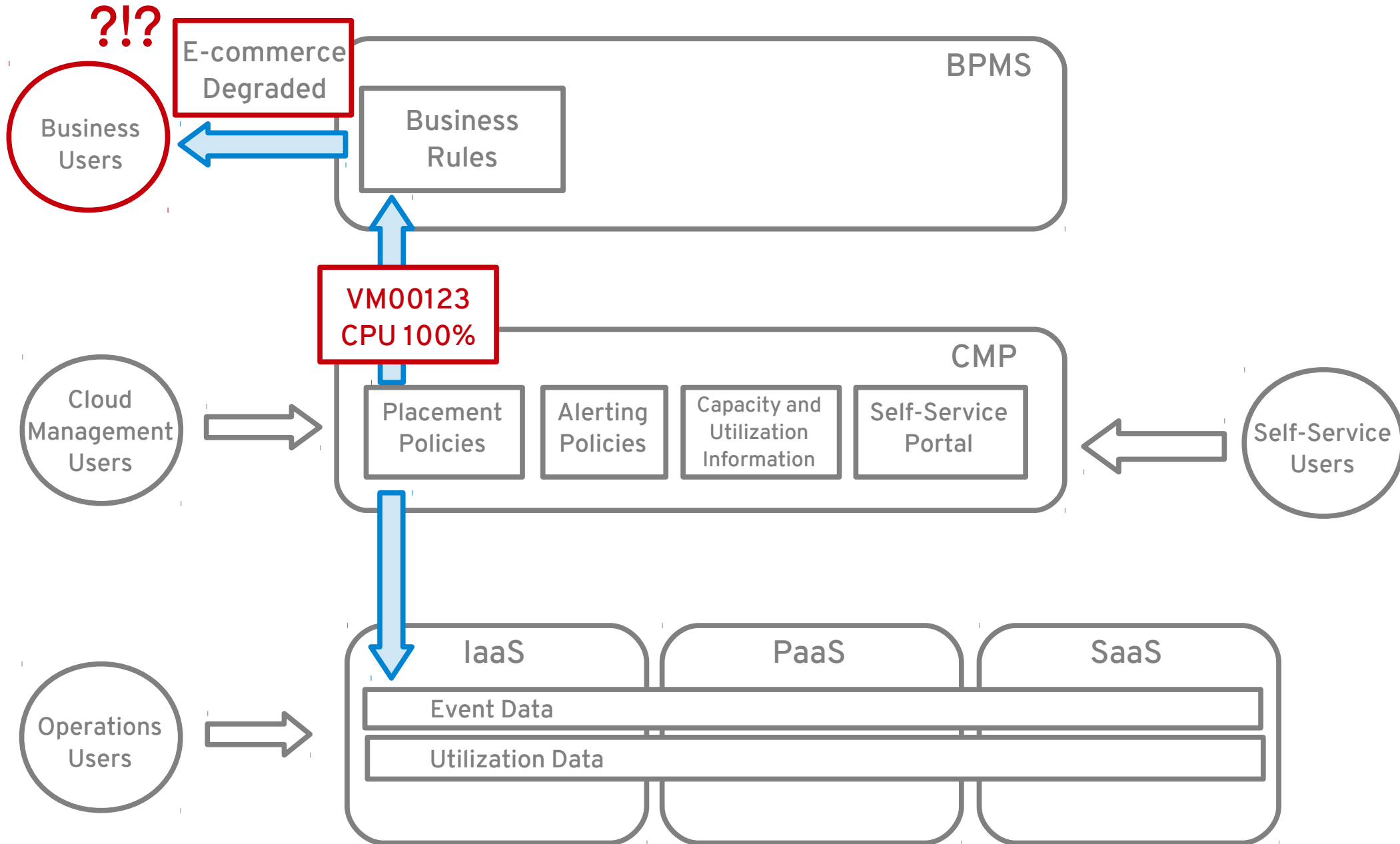
Responding to Events

Demonstration

Workload Placement

How to respond to an infrastructure event with
business context in mind

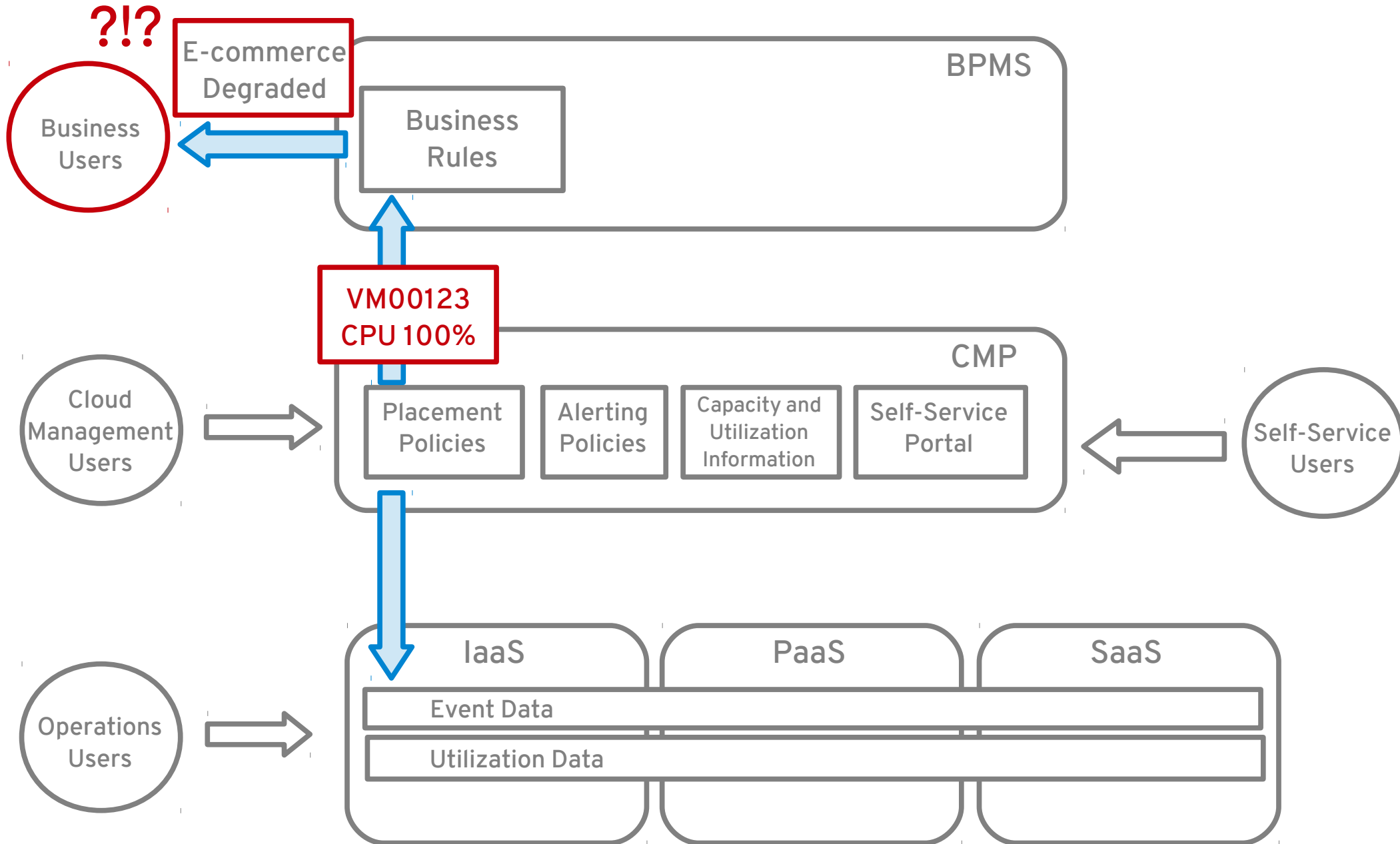
Workload Placement



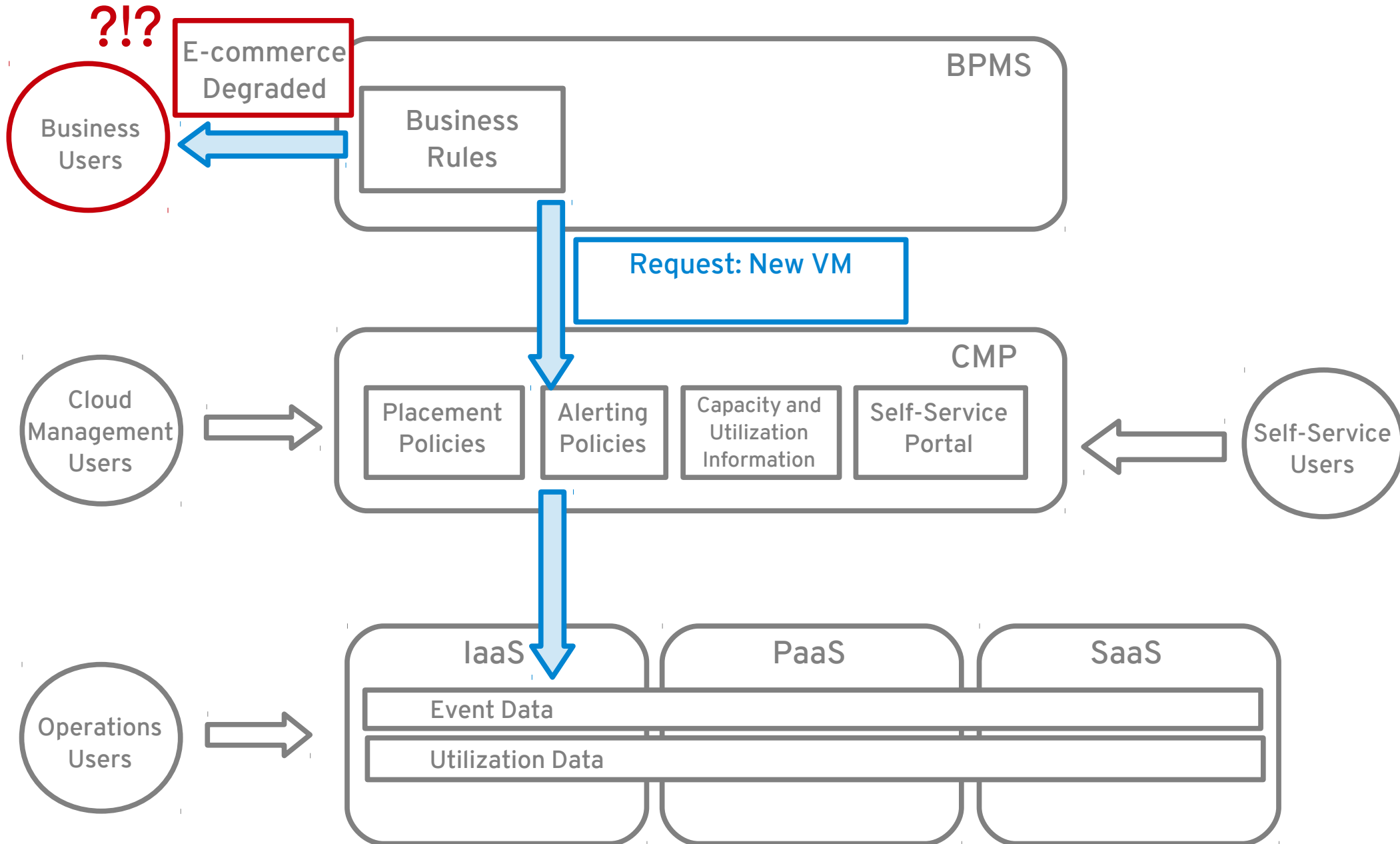
Workload Placement

Allow for business rules to drive automation with business context

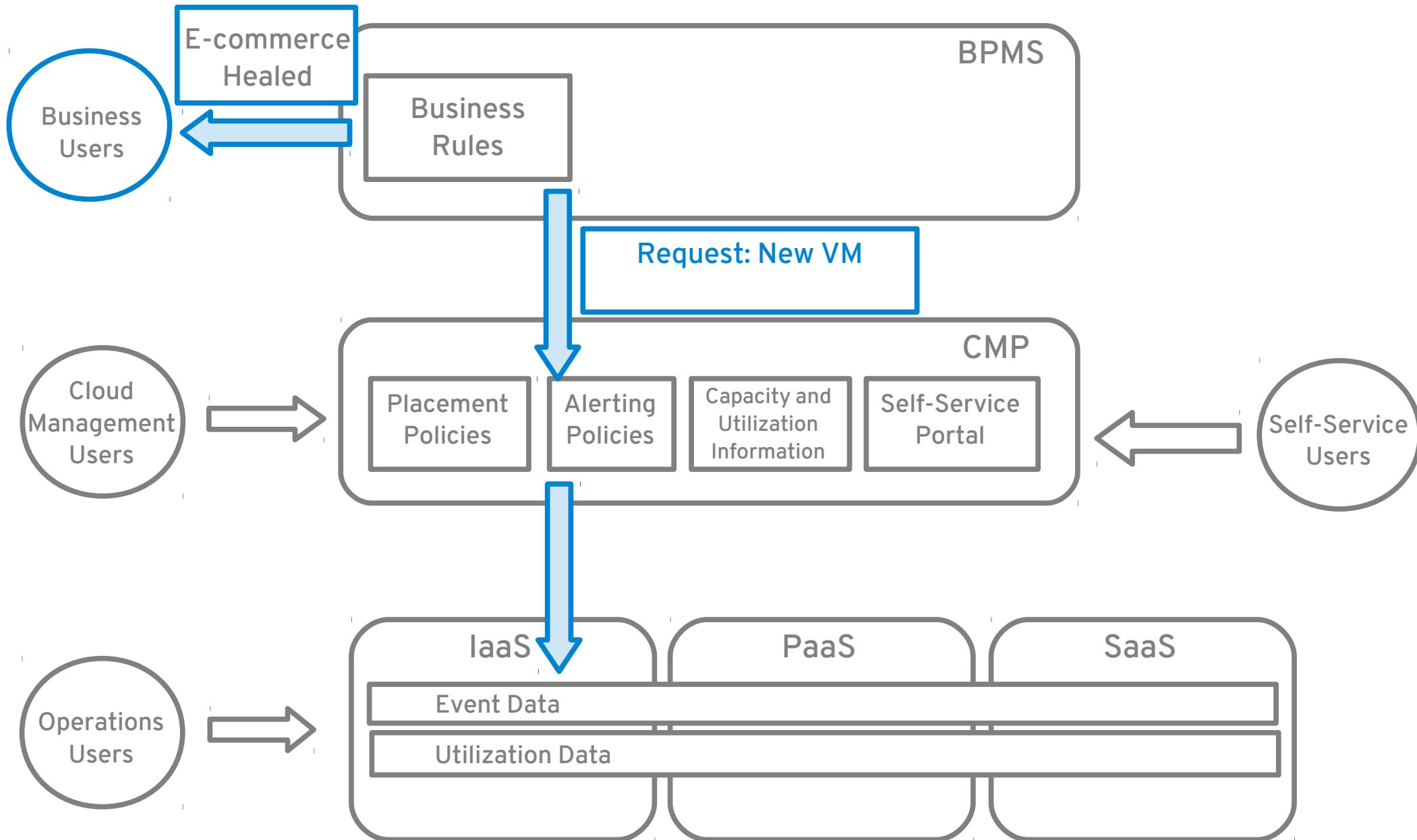
Workload Placement



Workload Placement



Workload Placement



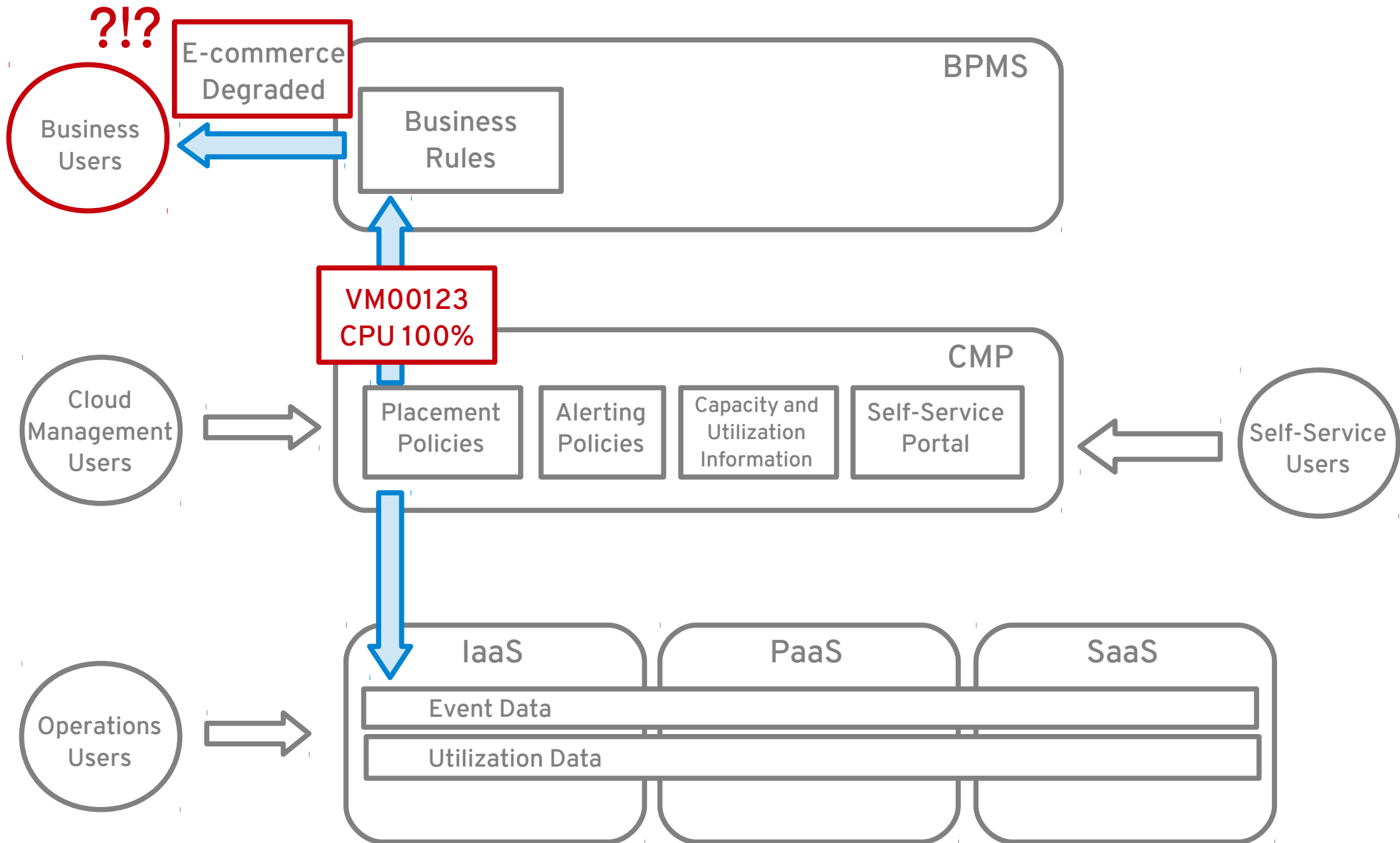
Workload Placement

Demonstration

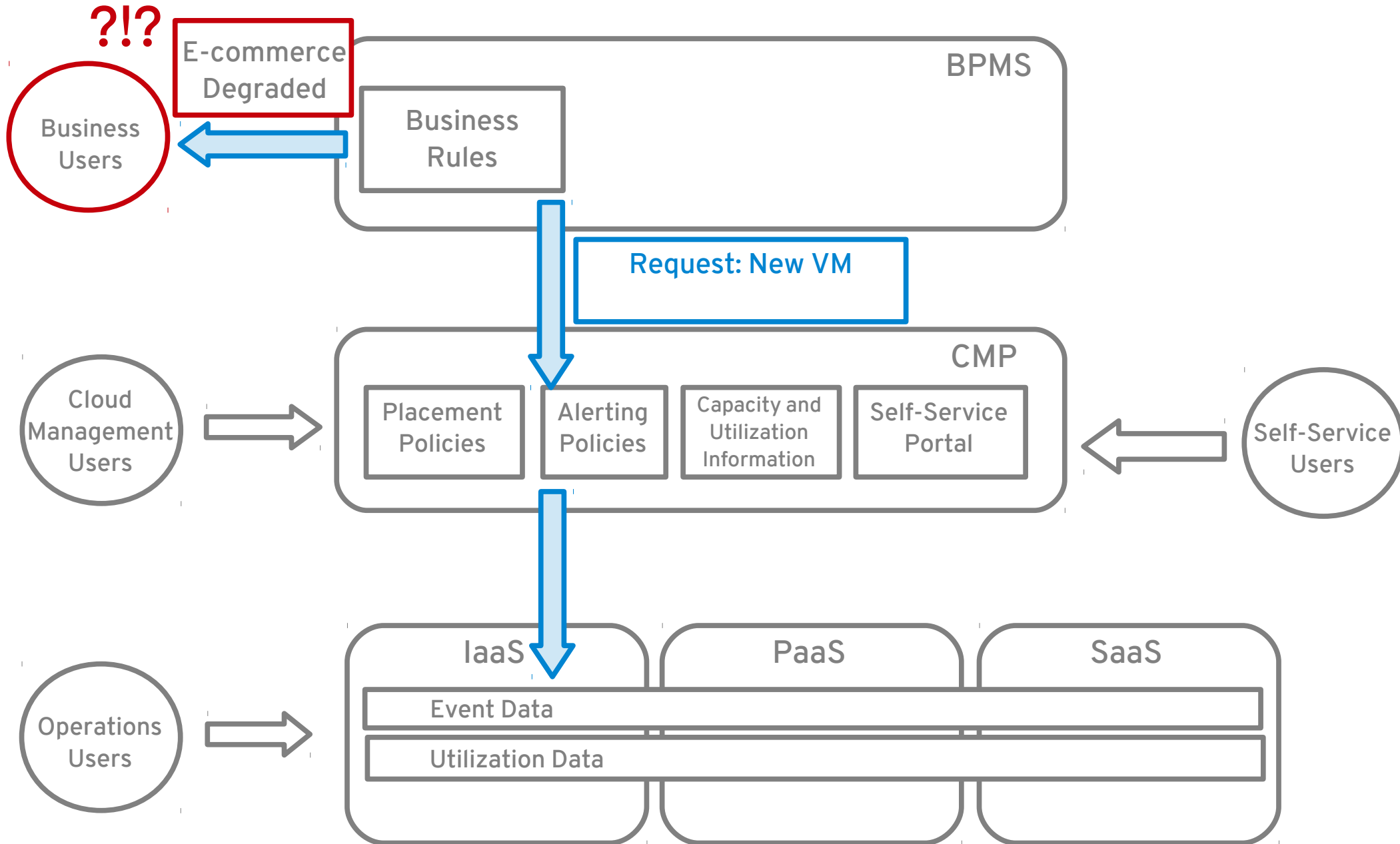
Intelligent Workload Placement

Place workloads with business policies in mind

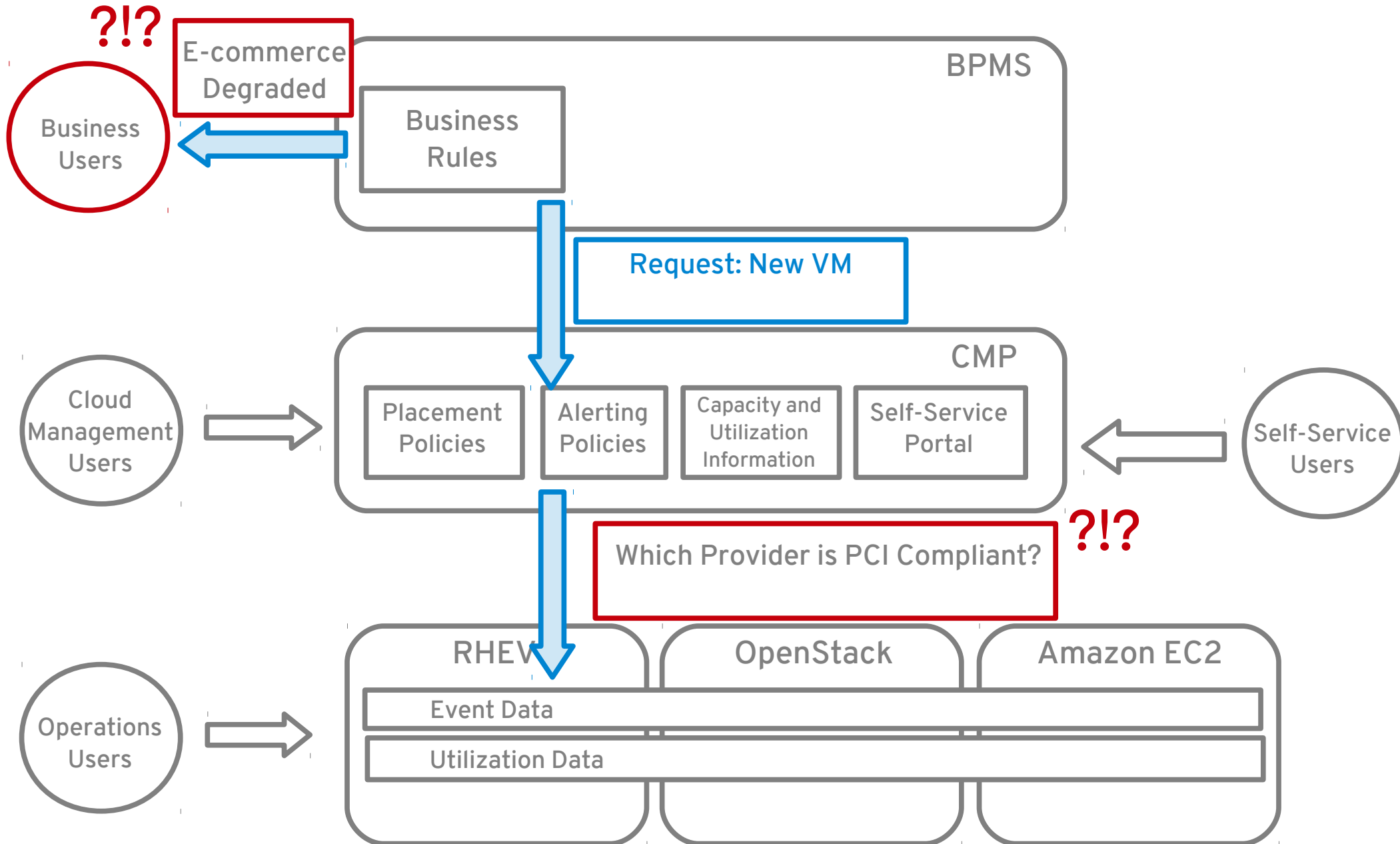
Intelligent Workload Placement



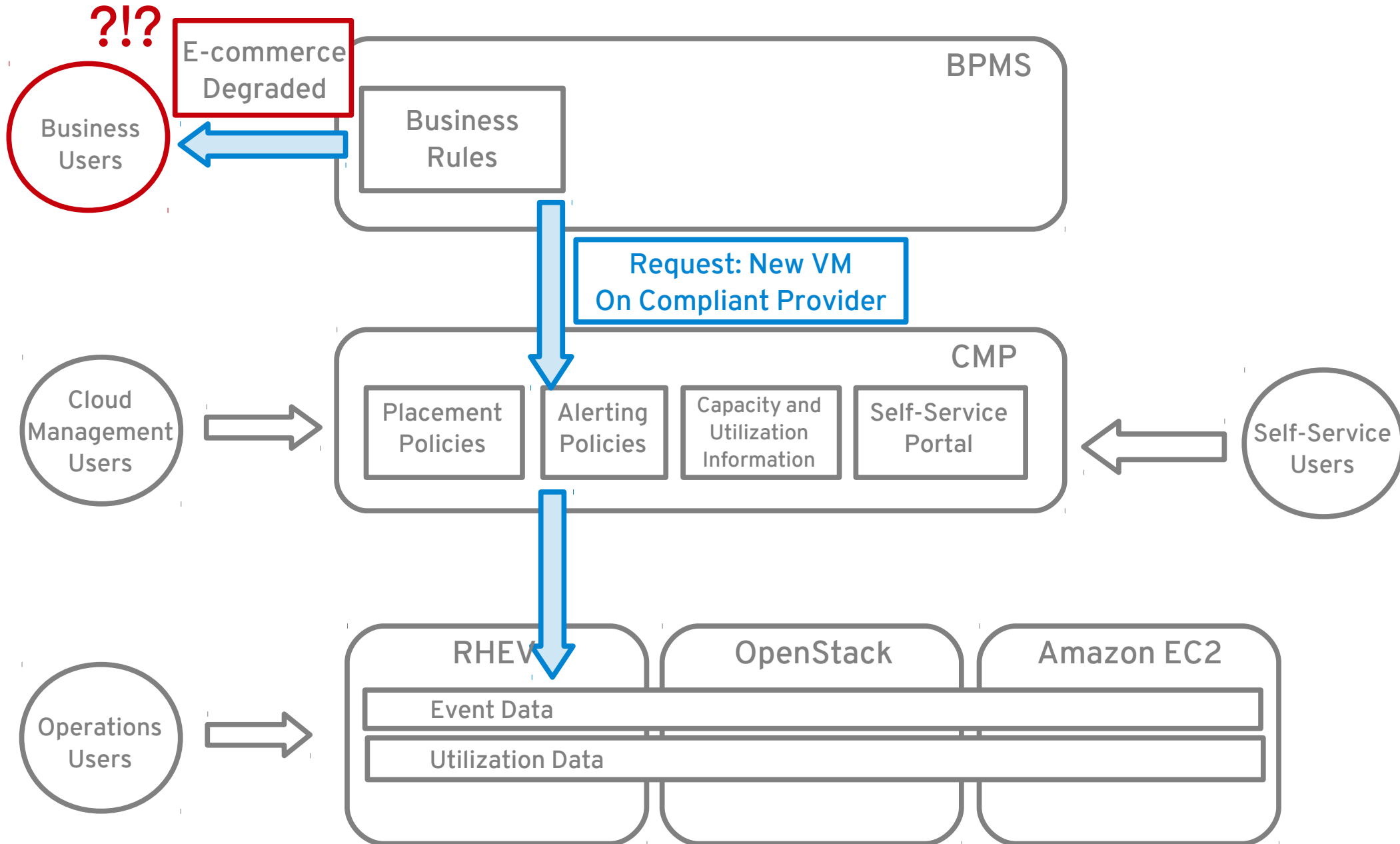
Workload Placement



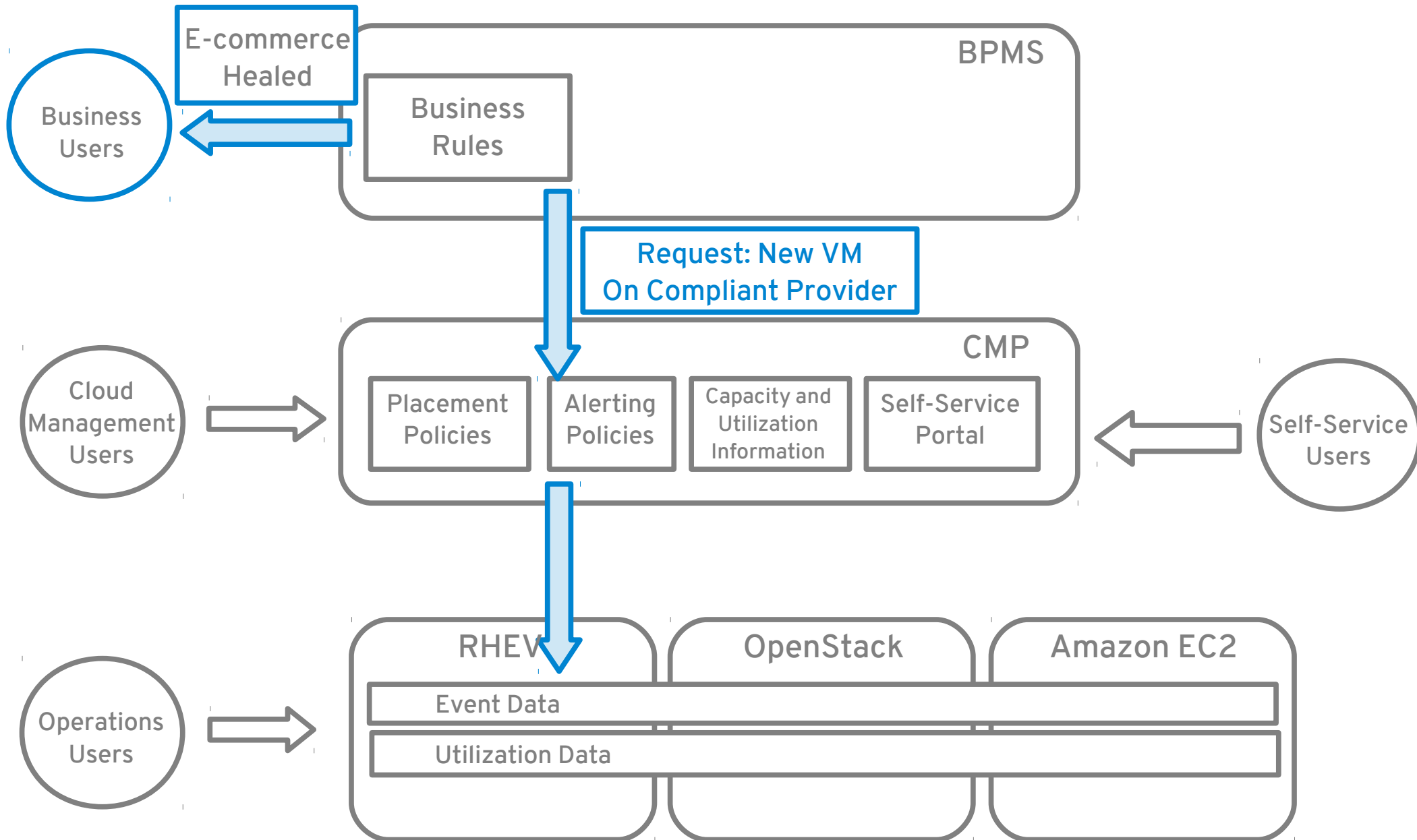
Workload Placement



Workload Placement



Workload Placement



Complex Workflows

Demonstration

BPMS and CloudForms integration provides

Speed - React to events taking place in the IT domain faster

Agility – Deliver IT resources for business needs in real-time

Accuracy – Maintain governance and comply with regulations

Empowerment – Business led IT instead of IT led business

Learn More ...

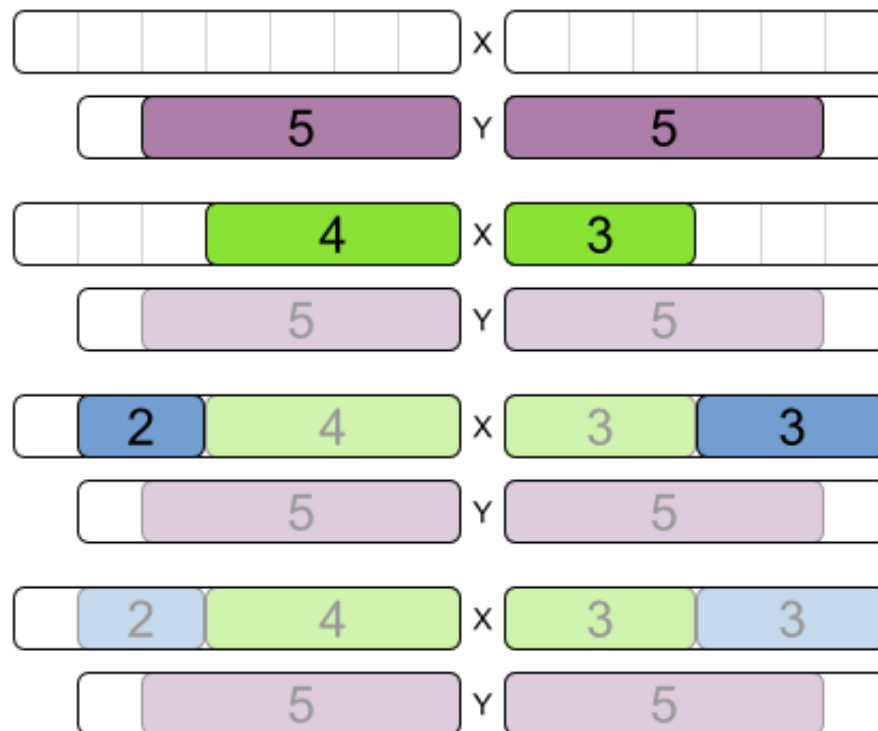
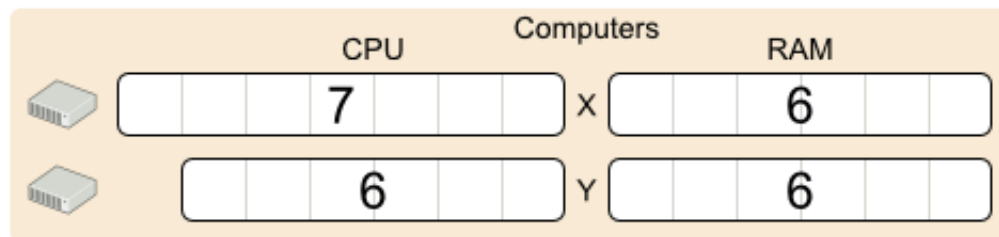
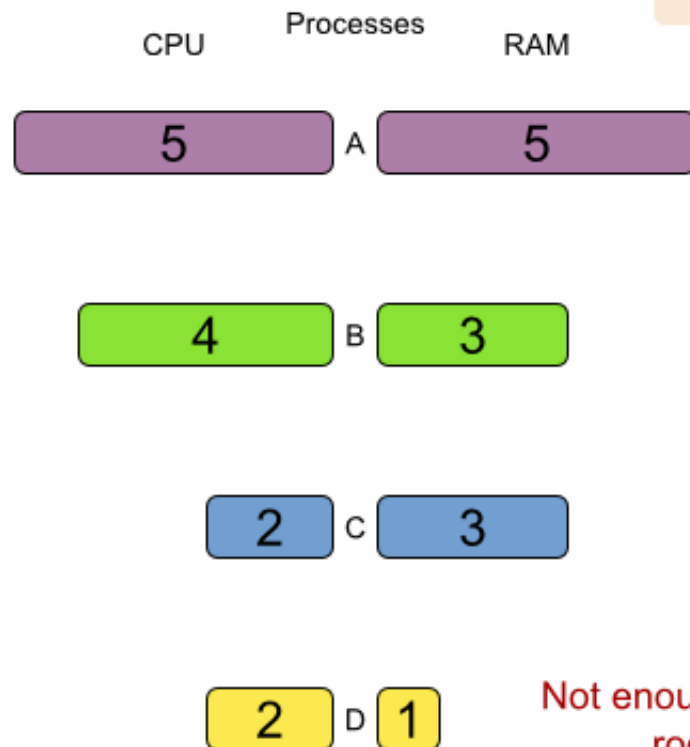
(Wednesday) 4/16 3:40-4:30PM

**Session: Flex workloads across private, public,
and hybrid clouds with CloudForms**

Tech Preview: Core Services – Opta Planner

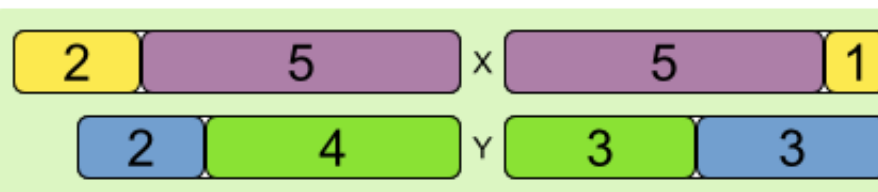
Cloud balance

Assign each process to a computer.



Not enough room

Optimal solution



Presentation and Materials at
www.allthingsopen.com