# WEBSCALE PAAS

Veer Muchandi
Middleware Specialist, Red Hat
veer@redhat.com
@VeerMuchandi

redhat.

By 2017, Web-Scale IT will be an architectural approach found operating in 50 percent of Global Enterprises

Gartner, 2014

# What is Web-Scale IT?

Web-scale IT is a pattern of global class computing that delivers capabilities of large cloud services providers to the enterprise.

Architectures, processes, practices to not just Scale in terms of sheer Size but for Speed and Agility

redhat

# Features

# 1. Open Source

## Open source OS
## Open and freely available blueprints

# Features

## 2. Industrial designed infrastructures

Reduce cost & waste
Energy efficient
Software defined 'everything'

redhat.

# Features

## 3. Web-oriented Architectures

Flexible
Resilient and Self healing
Scale out vs Scale up

redhat.

# Web Scale Architecture Features

## 4. API based Management

Automation, Metrics, Analytics, Updates

redhat

# Features

5. Velocity focused processes

DevOps
Agile
Continuous Delivery/Deployment

"Risk embracing culture"

redhat

# Web Scale

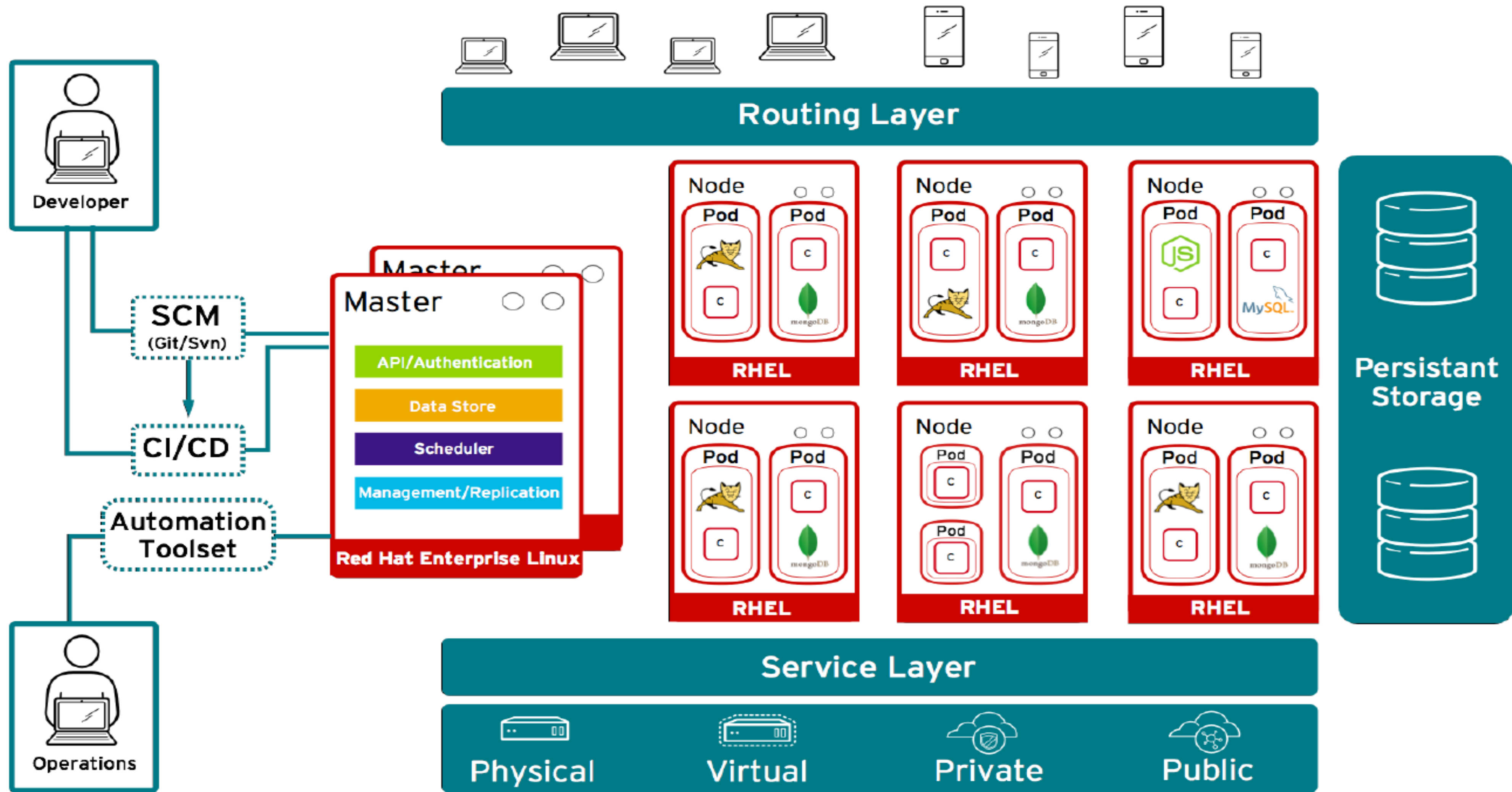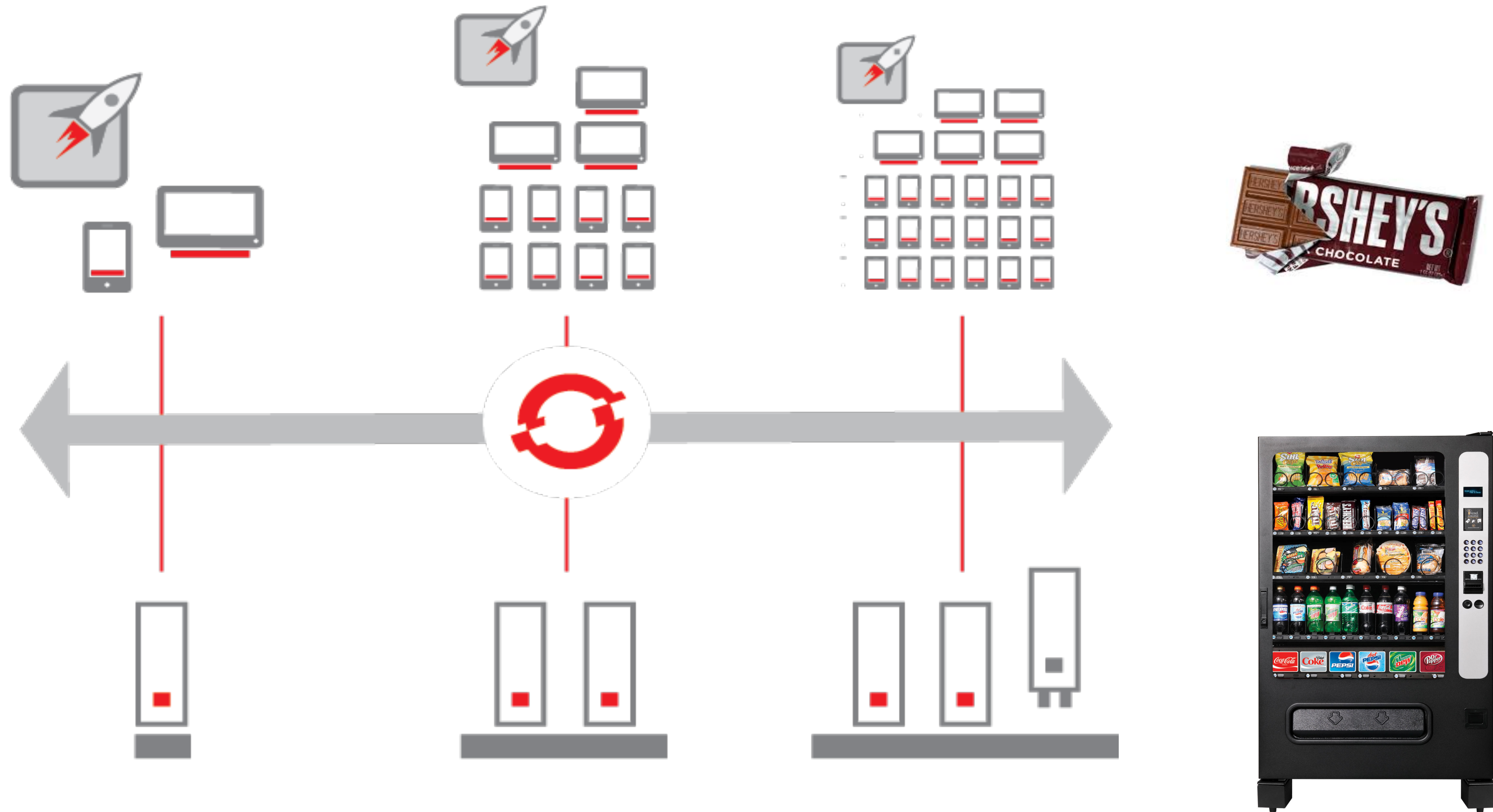| | |
|---|---|
| Open Source | Proprietary |
| Resiliency | Complexity |
| Services | GUIs |
| DevOps | ITIL |
| Sharing & Learning | Heroes |
| Scale Out | Scale up |
| New-Age Vendors | Old School Vendors |

# Web Scale PaaS

Platform-as-a-Service that enables Web-Scale IT

- Container based and runs on light-weight OS
- Deploys anywhere
- Brings industry best practices to Enterprise IT
- Enables DevOps and Automation

redhat.

# OpenShift Enterprise

# IT Scales Like a Factory with PaaS

# Core Features of a Web Scale PaaS

**Demo Time**

**1** **Scalability**

**2** **High availability**

**3** **Orchestration**

**4** **Ease of installation and seamless upgrades**

redhat.

**?**

redhat

# RED HAT SUMMIT

## LEARN. NETWORK.
## EXPERIENCE OPEN SOURCE.

redhat.