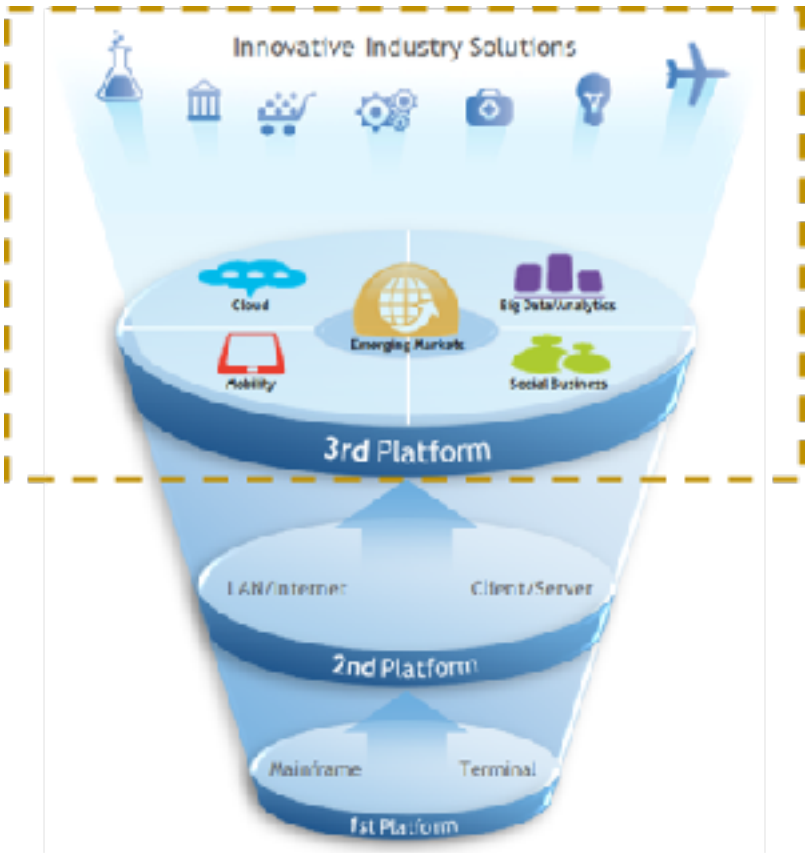
Red Hat Andino Team
2018

La tercera plataforma TI



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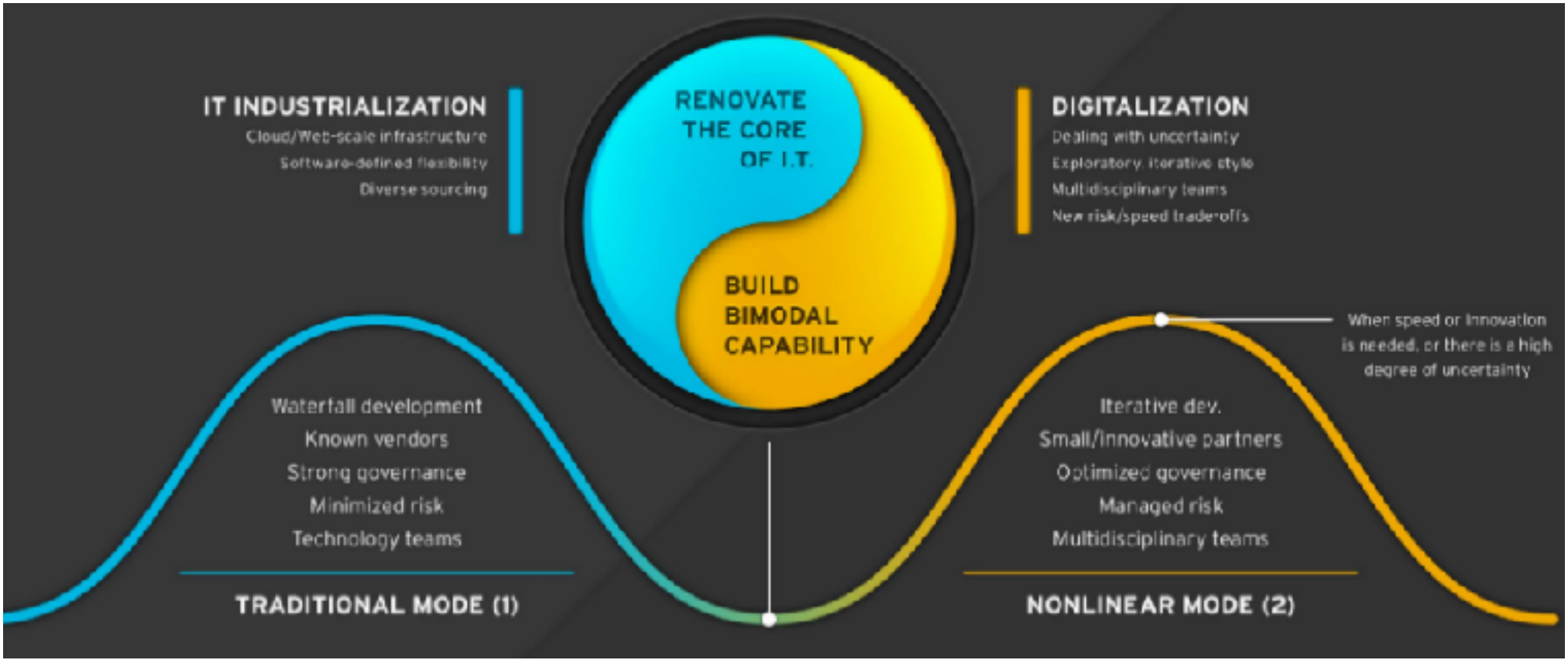
Bi-Modal IT



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Bimodal IT = Marathon Runners + Sprinters Deeply Different, Both Essential

Think Marathon Runner

Mode 1		Mode 2
Reliability	**Goal**	Agility
Price for performance	**Value**	Revenue, brand, customer experience
Waterfall, V-model, high-ceremony IID	**Approach**	Agile, Kanban, low ceremony IID
Plan driven, approval based	**Governance**	Empirical, continuous, process based
Enterprise suppliers, long-term deals	**Sourcing**	Small, new vendors, short-term deals
Good at conventional process, projects	**Talent**	Good at new and uncertain projects
IT-centric, removed from customer	**Culture**	Business-centric, close to customer
Long (months)	**Cycle times**	Short (days, weeks)

Think Sprinter

#GartnerSYM

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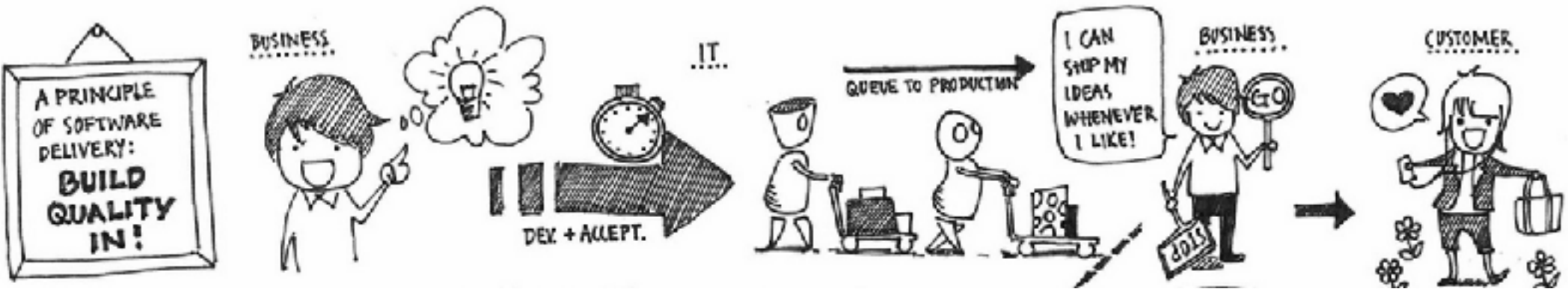
Principio filosofico devops es la entrega del software



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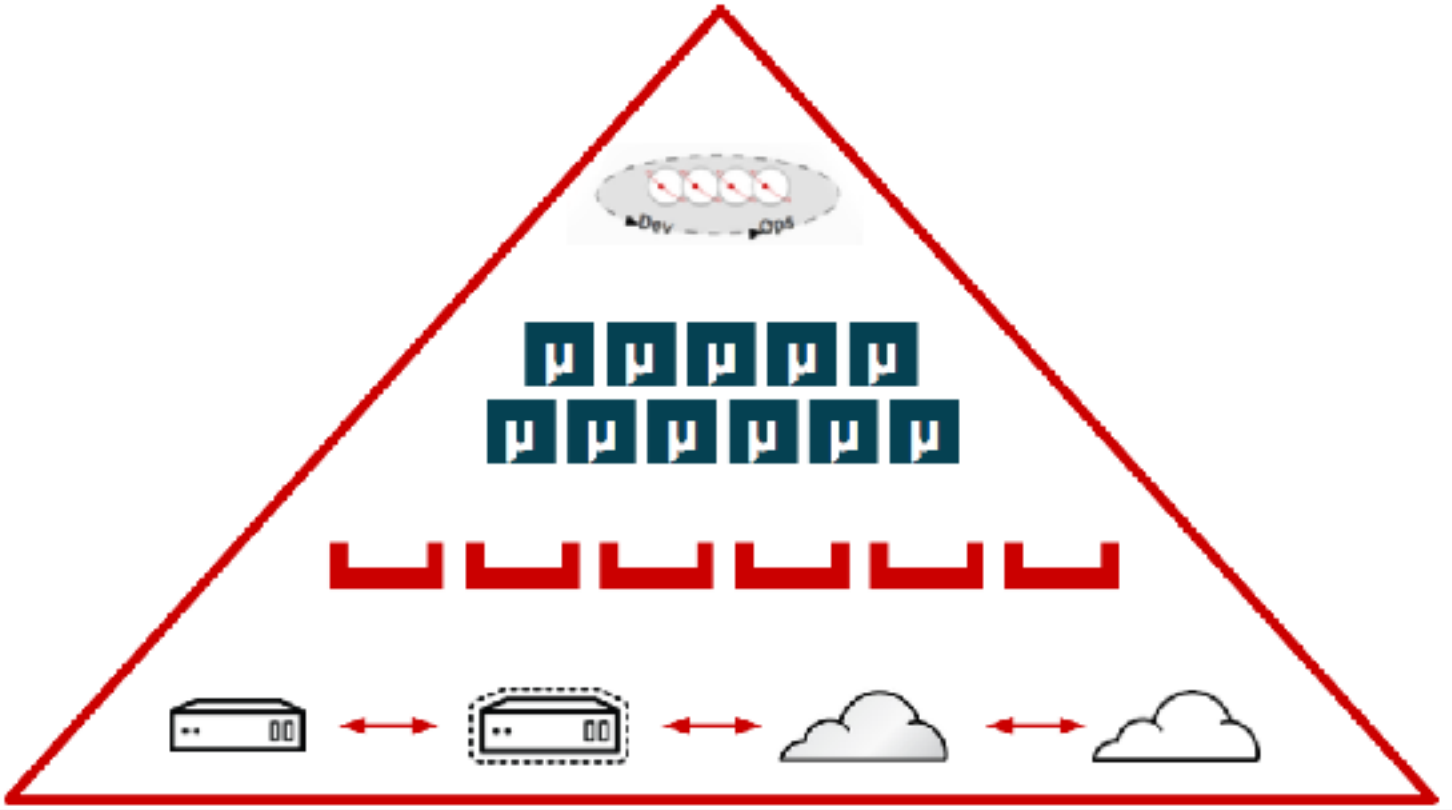
Nonlinear Mode (II) – Agilidad en nuevas arquitecturas

DevOps

Microservices

Containers

Open Hybrid Cloud



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- **Michelle**
- **¿Que?**
- **No puedo poner eso en producción esa libraría no esta homologada**

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From the authors of *The Visible Ops Handbook*

The Phoenix Project

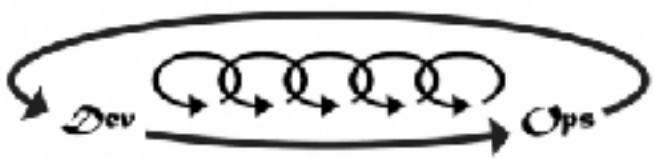
A Novel About IT, DevOps, and Helping Your Business Win

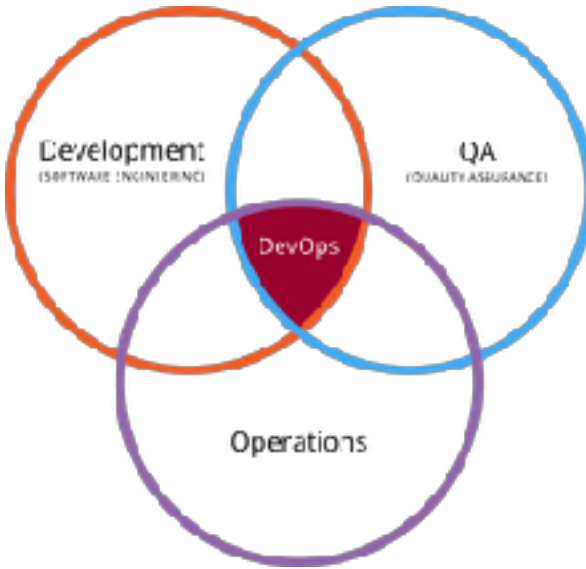
Gene Kim, Kevin Behr, and George Spafford

The First Way:
Systems Thinking

The Second Way:
Amplify Feedback Loops

The Third Way:
Culture Of Continual Experimentation And Learning





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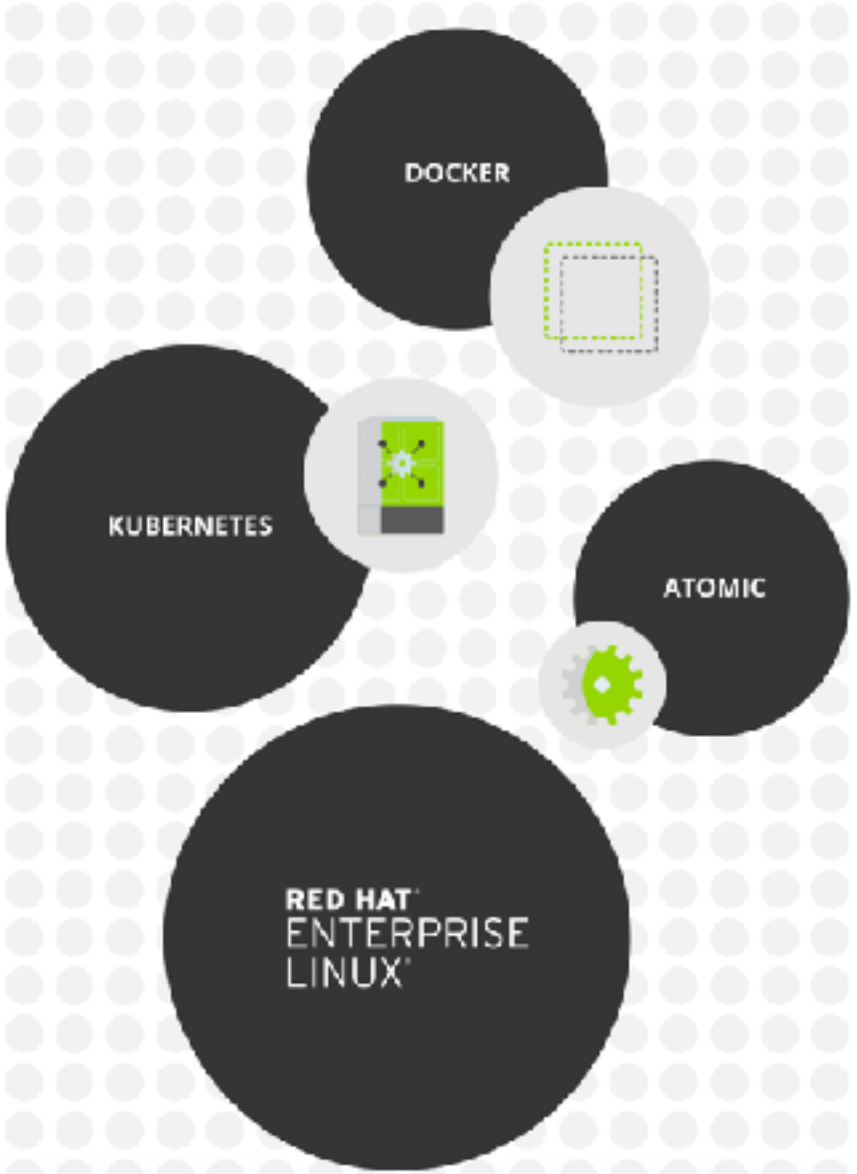

Codificar

Construir
Probar

Empaquetar
Distribuir
Configurar (Infraestructura como código)

Monitorear (APM)

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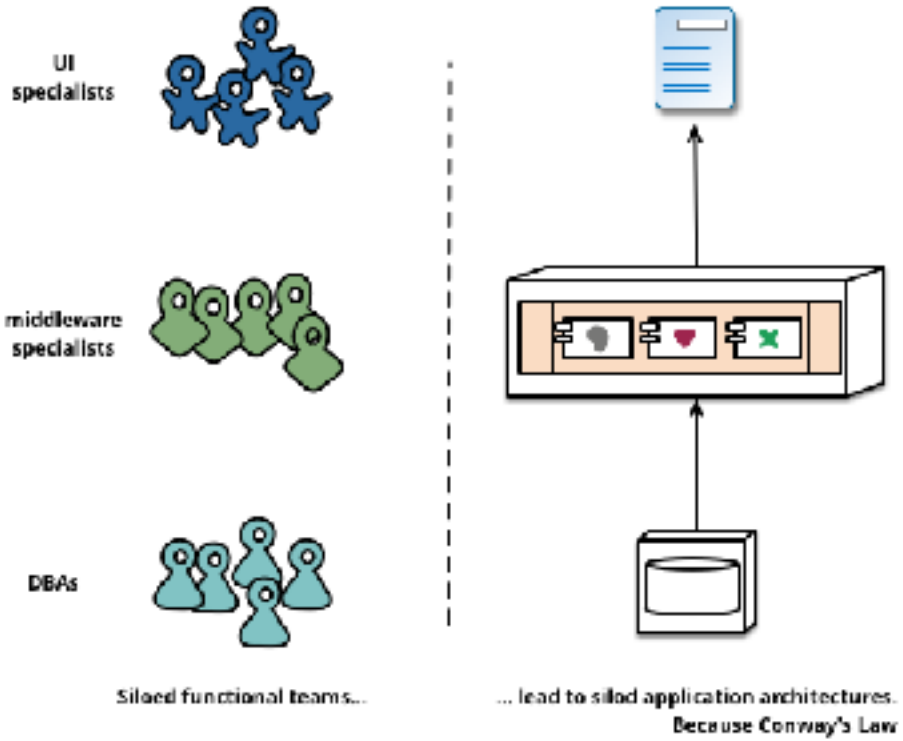
THE MONOLITH



CONWAYS'S LAW

Any organization that designs a system (defined broadly) will produce a design whose structure is a copy of the organization's communication structure.

-- Melvyn Conway, 1967

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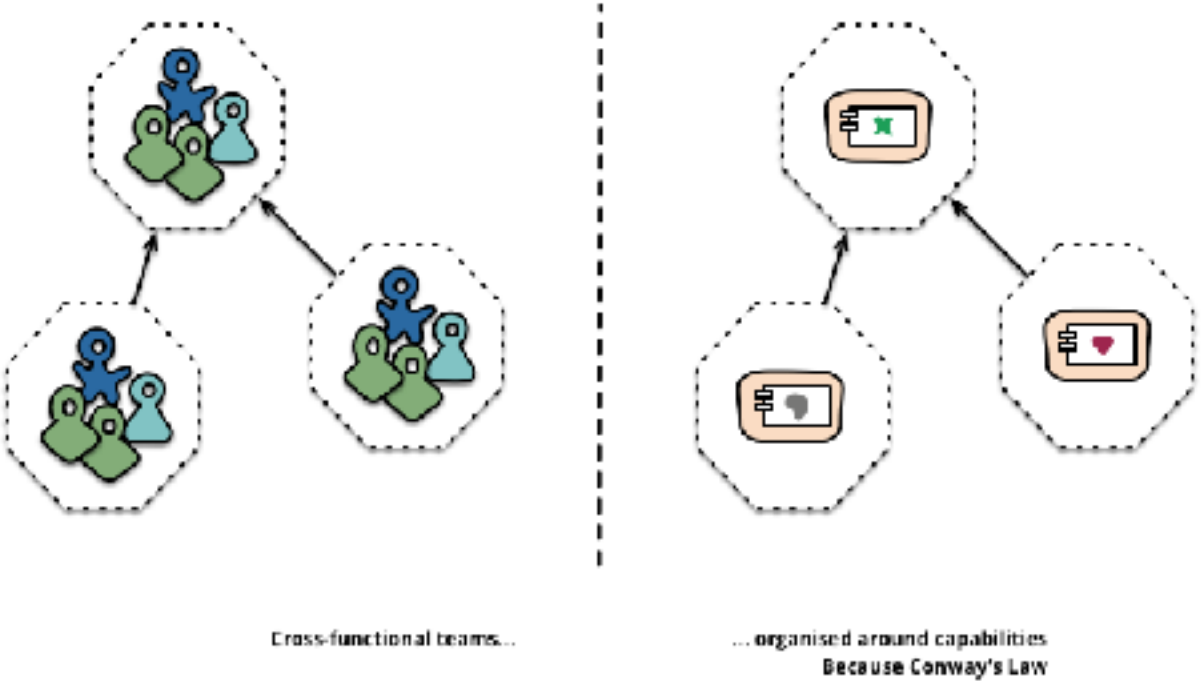
THE MICROSERVICES



- The main value behind Microservices is the **flexibility to deploy, scale** parts of your platform isolated from the rest as opposed to the “Monolith” architecture.
- Many customer's running away from their legacy architectures are looking to adopt Microservice because it's the new New.

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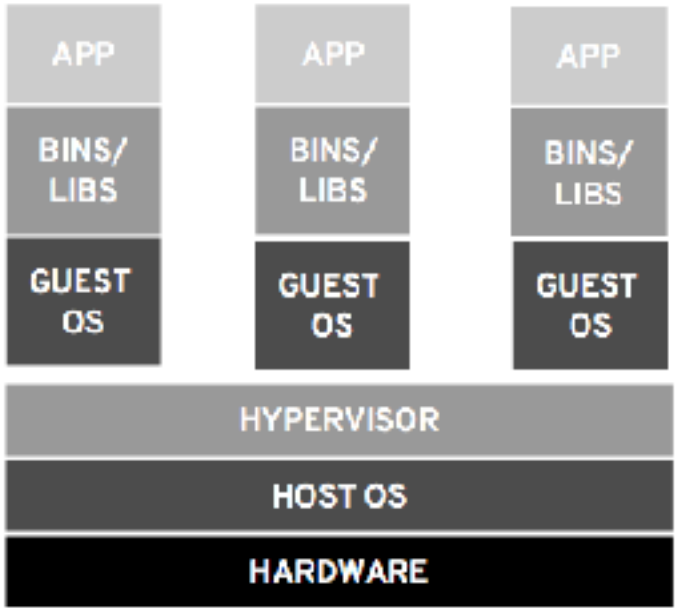
Virtualizacion Tradicional



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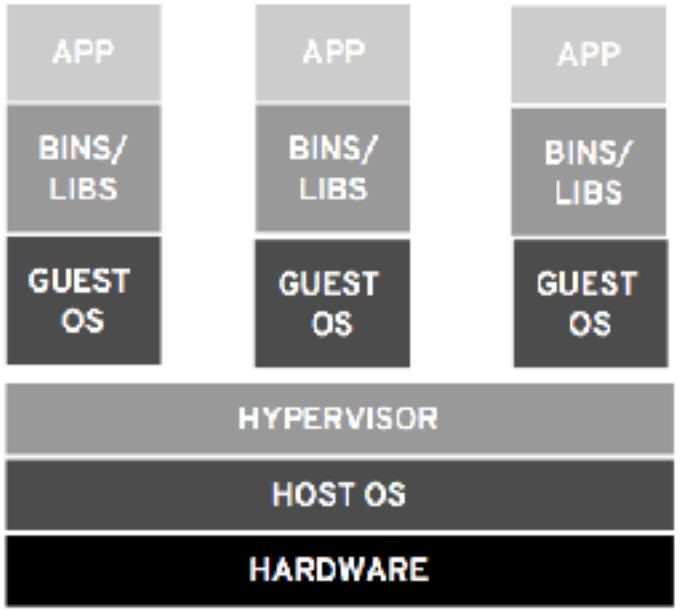
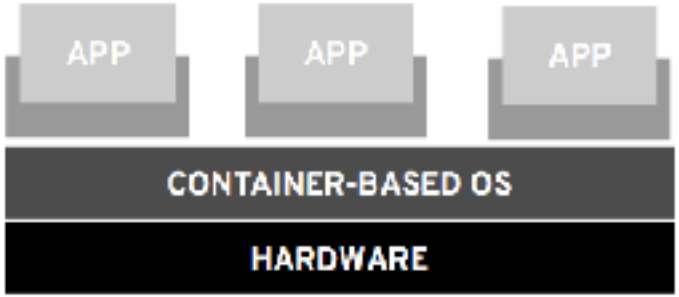
CONTAINERS





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MICROSERVICE + CONTAINER

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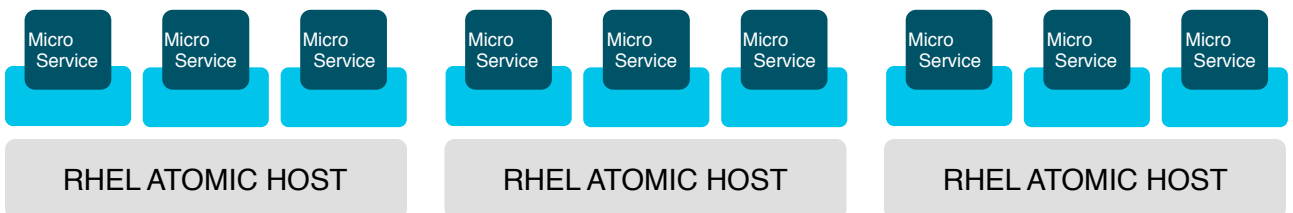
RHEL ATOMIC HOST:
THE WAY TO RUN DOCKER



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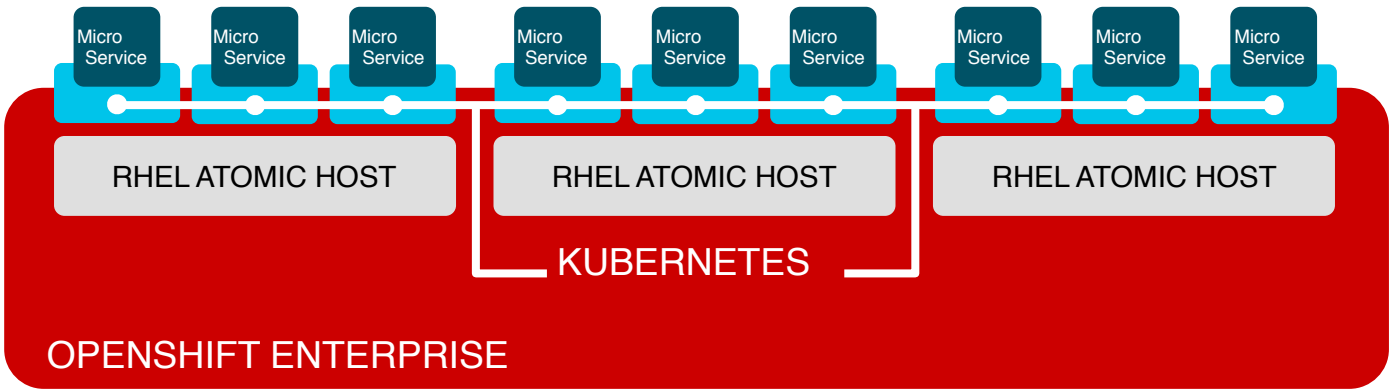
OPENSHIFT TO MANAGE MANY MICROSERVICES



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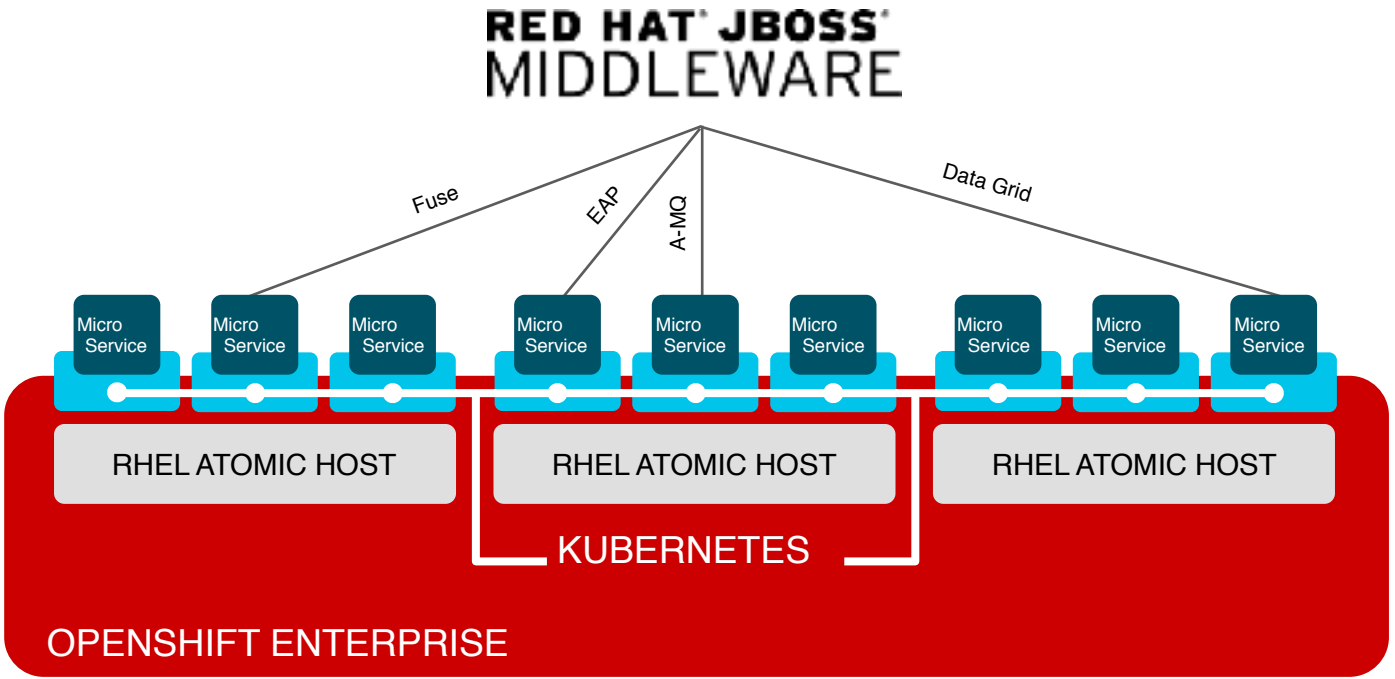
XPAAS: JBOSS MIDDLEWARE AS MICROSERVICES



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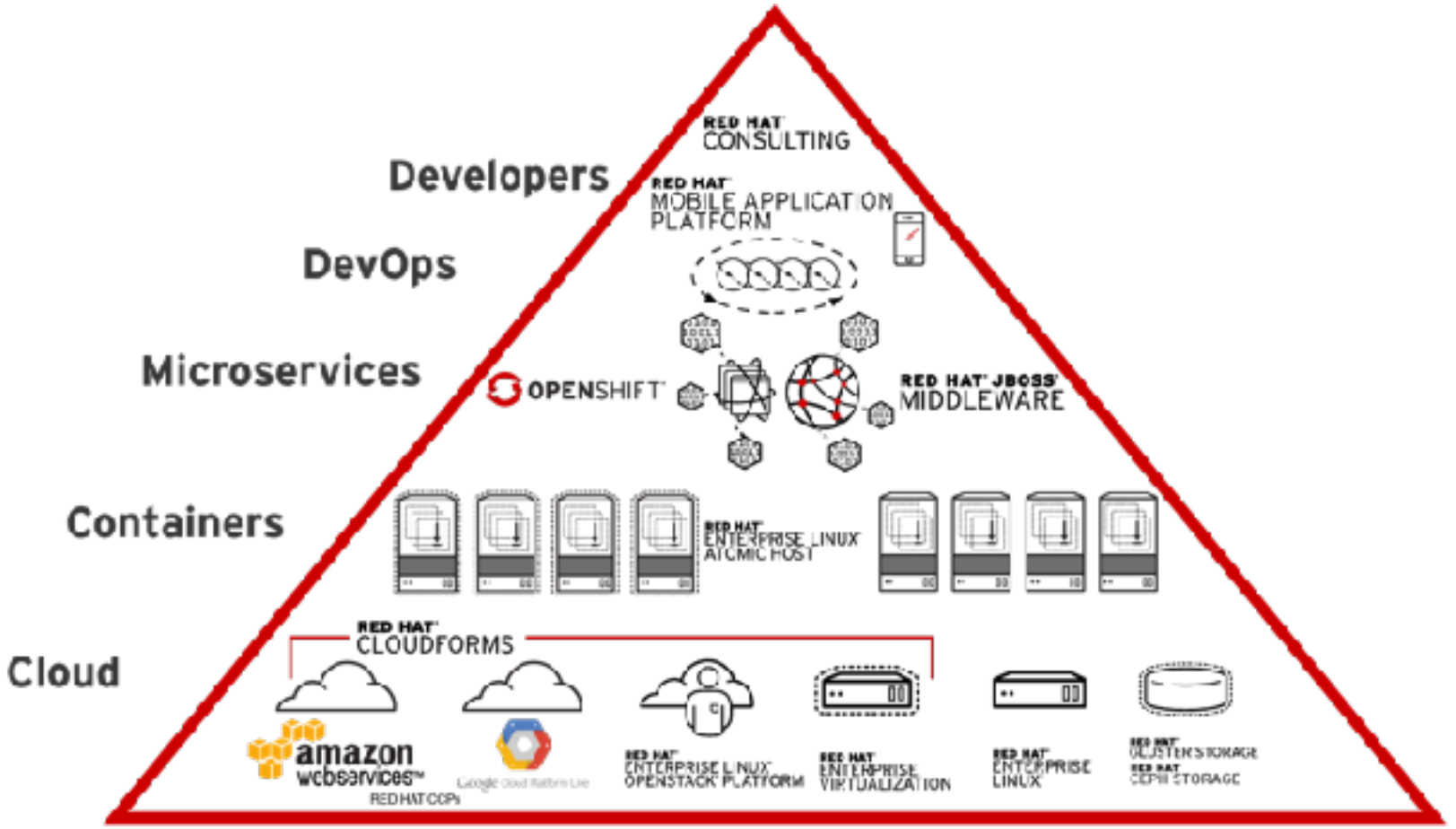
Bi Modalidad como base de la evolución de TI

Transforming Business with Red Hat



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