RED HAT
FORUM
Europe, Middle East & Africa

redhat.

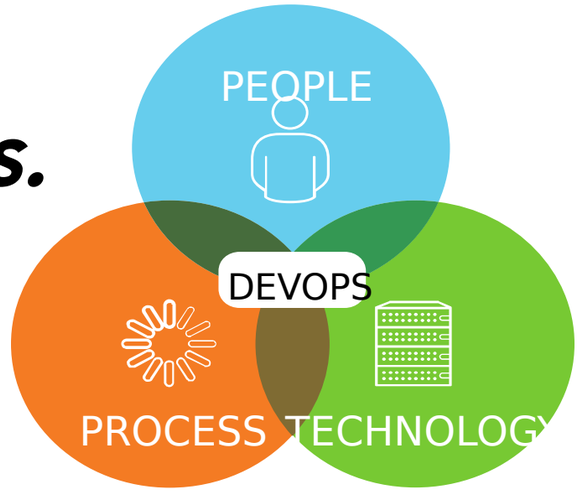
DevOps - The Red Hat Way

Roei Goldenberg
Consultant & Cloud expert/matrix

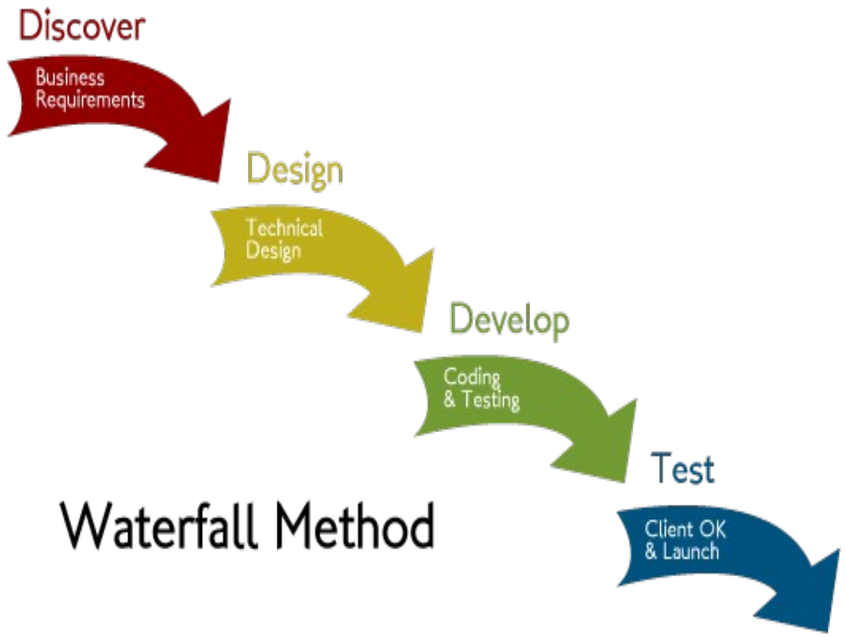
roeigo@matrix.co.il

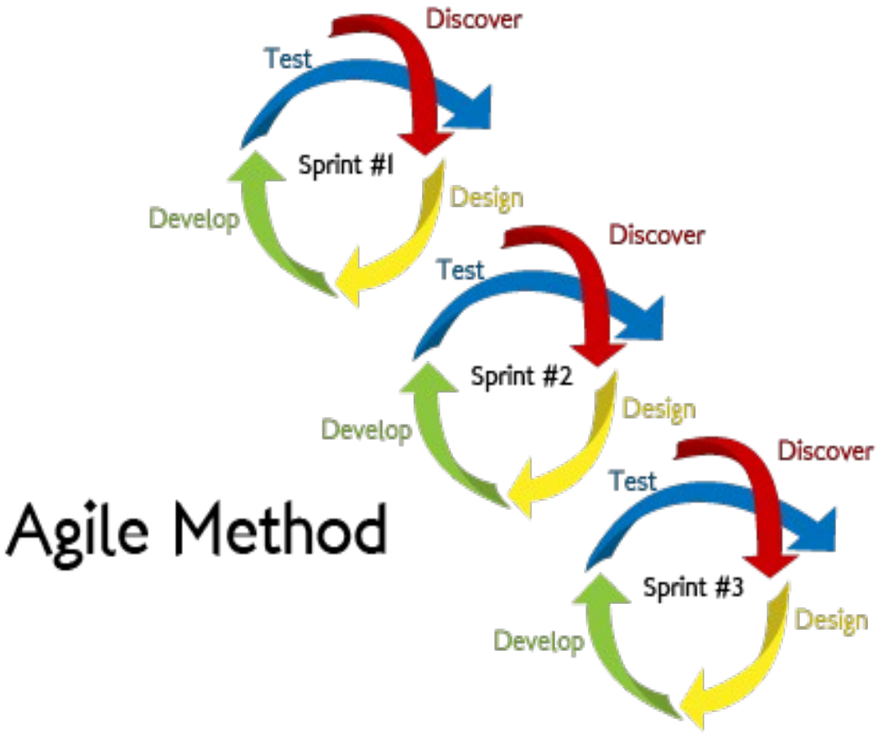
So what is DevOps?

DevOps - (a clipped compound of "development" and "operations") is a software development method that stresses ***communication***, ***collaboration***, ***integration***, ***automation***, and measurement of cooperation between software ***developers*** and other ***information-technology (IT) professionals.***



DevOps demands Agile!





IT OPS IS UNDER PRESSURE

ENVIRONMENT IS OUT OF CONTROL

DevApps –
Develope and Deploy Cloud Applications.

What DevApps needs?!

- Faster time to Market.
- Needs to work with agile methodology.
- Continues delivery of services.
- Rolling updates.
- Automation – of testing, deployment, scaling and DR.
- Competitive edge via technology.
- Scalability - of both the infrastructure and the application.
- Stable and robust infrastructure designed to fail.

How to do it with Red Hat!?

Most stable and reliable Linux Distribution in the world

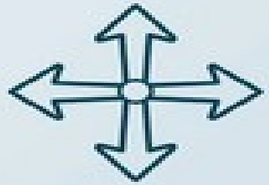
RED HAT ENTERPRISE LINUX 7 HIGHLIGHTS

FLEXIBLE

- LIGHTWEIGHT APPLICATION ISOLATION (LINUX CONTAINERS)

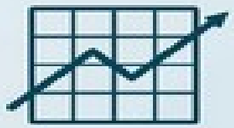
- WINDOWS INTEROPERABILITY

- SCALABLE FILE SYSTEMS



STABLE AND EFFICIENT

- OPTIMAL PERFORMANCE VIA PROFILES

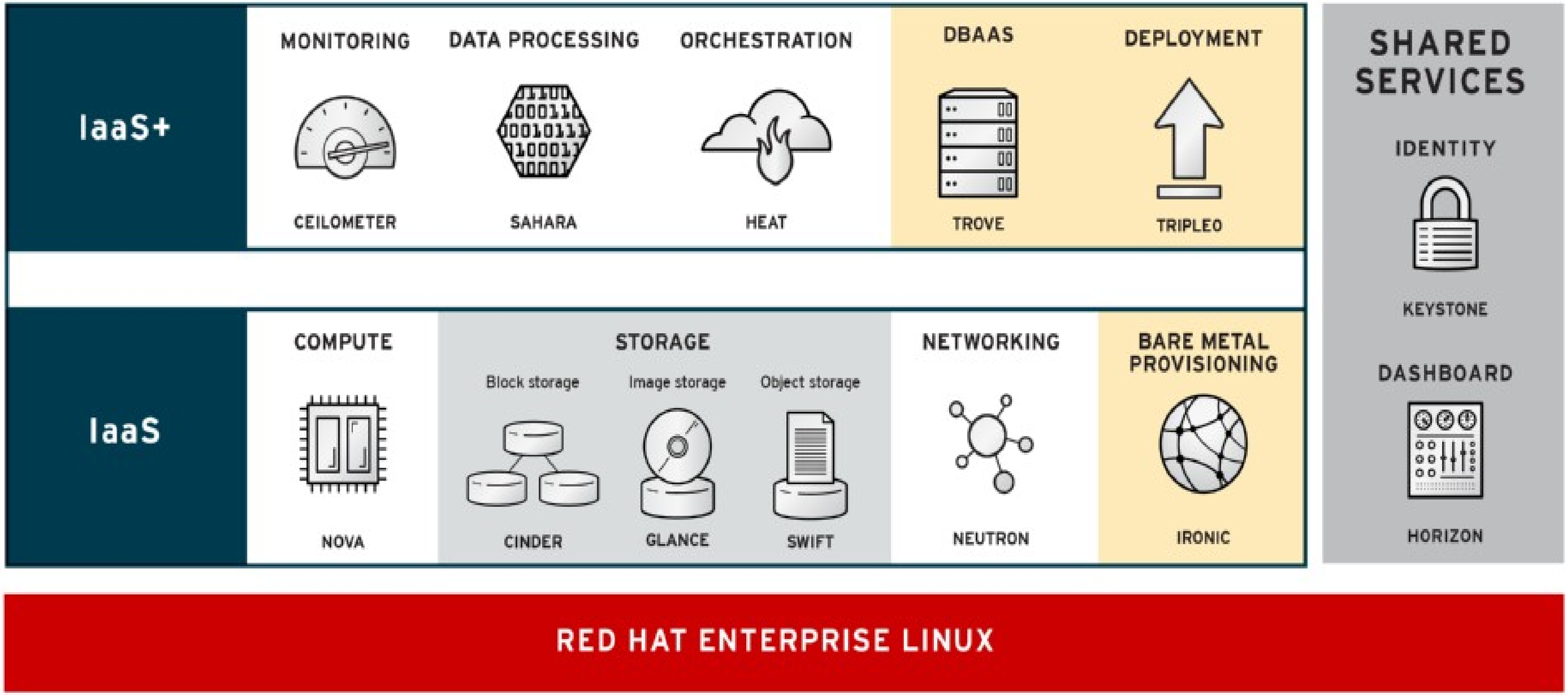


- STREAMLINED INSTALLATION AND DEPLOYMENT

- SYSTEM MANAGEMENT VIA OPENLMI

CERTAINTY OF MISSION-CRITICAL RELIABILITY AND MILITARY-GRADE SECURITY

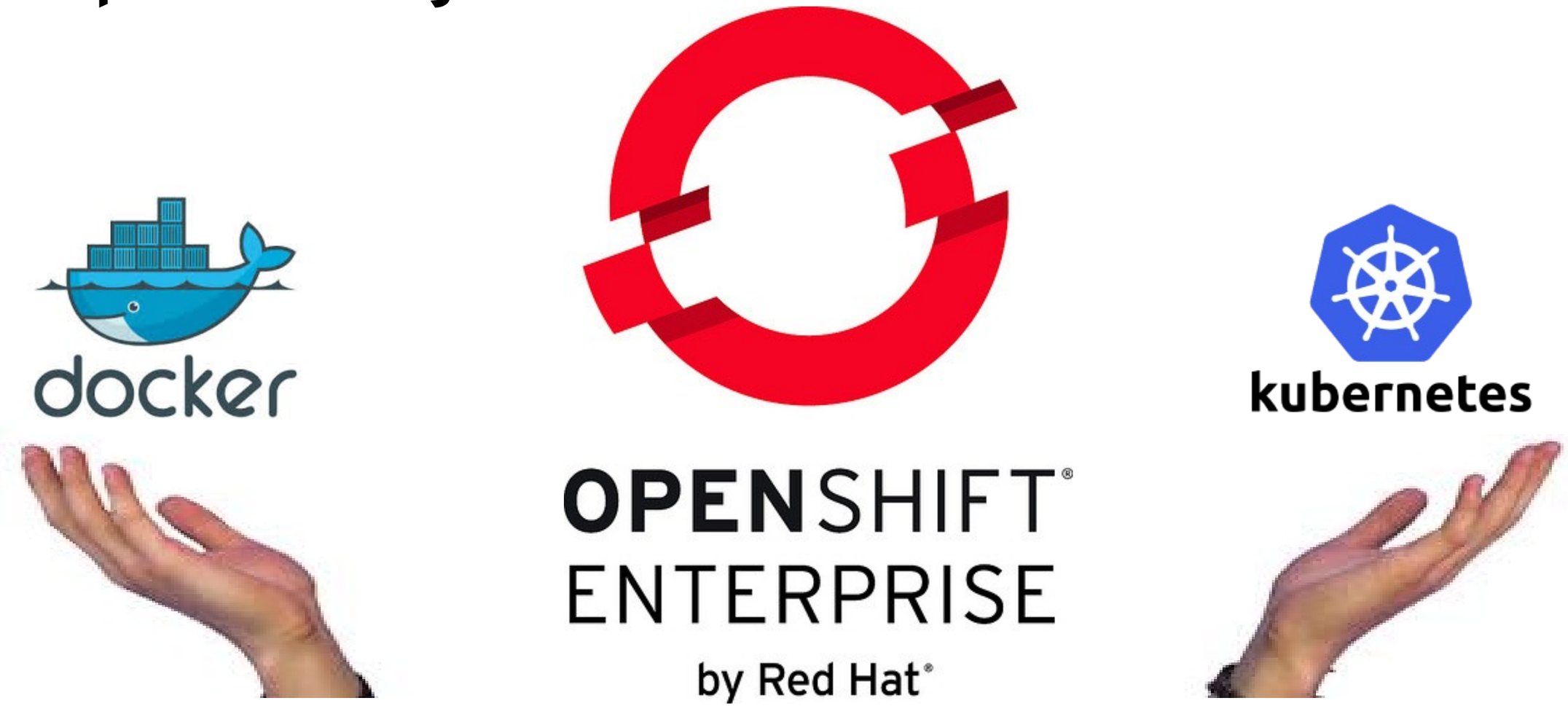
Enjoy the power of Openstack in Enterprise level



RHEL-OSP – The Infrastructure for DevOps

- APIs that allows **automation**.
- Heat enables **complex provisioning**.
- Software defined DC allows **control** of all the **Application needs**.
- Agile infrastructure is **the base of being Agile**!
- Lack of persistency **makes you more agile**!
- Operations Personnel have to be familiar with all Data Center components which **increases cooperation**.

Openshift Enterprise – harness PaaS agility for bigger competitive edge



Openshift enterprise – how application born!

- Developers enjoy **platform self service portal.**
- Supports diversity of **platform technologies.**
- Docker containers technology makes **upgrades and agile development easier then ever.**
- **Integration** with 3rd party such has **Jenkins** and **maven** allows implementing **automation processes** that increase **agility.**

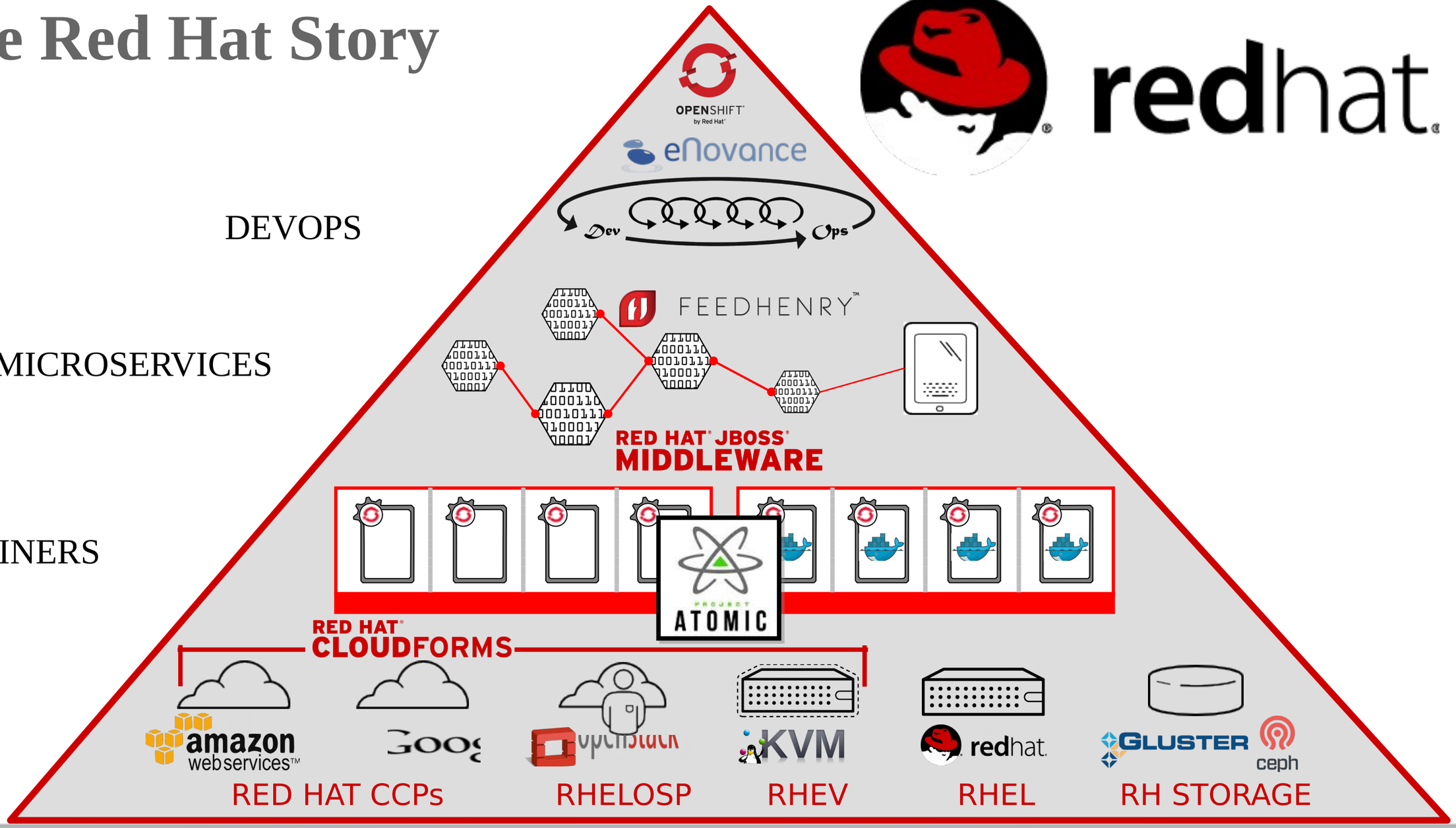
CloudForms – Your Data Center Mission control!

CloudForms - run the show from a single pane of glass

- **Monitor, Management and Control** of the entire Data Center enables advanced **automation**.
- Customized central **self service portal**.
- **Integration** with other management and control platforms.

Conclusion

It’s the Red Hat Story



DEVOPS

MICROSERVICES

CONTAINERS

CLOUD

redhat.

What DevApps got!!!

- Faster time to Market.
- Needs to work in agile methodology.
- Continues delivery of the services
- Rolling updates.
- Automation – of testing, deployment, scaling and DR.
- Competitive edge via technology.
- Scalability - for both the infrastructure and the application.
- Stable robust infrastructure designed to fail.

redhat®