Building Blocks for Digital Transformation

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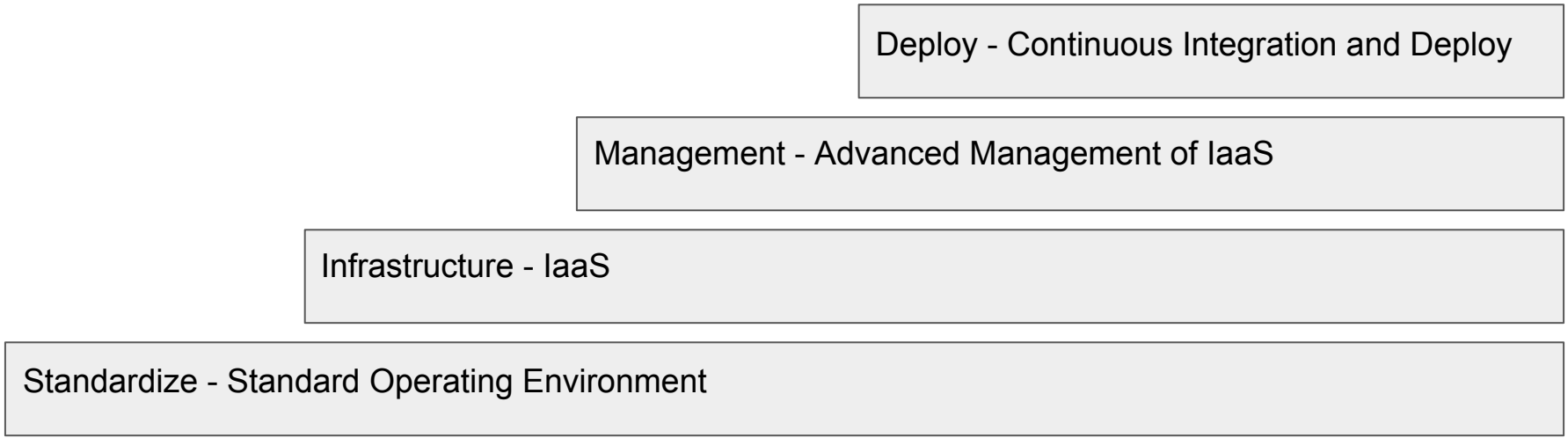
Where are you, now?



Step 1: Standardize

Considerations

- How many Operating Systems do you support?
- How many version of each OS?
- How often do you provision new services or servers?
- How much of your time do you spend troubleshooting service?
- Do you have regulatory requirements (HIPAA, PCI)?
- Do you deploy from Gold Master images?
- How far do you systems deviate from the Gold Master?
- Do you have a process for configuration changes?
- How do you certify a server for production?
- How many different services do you offer?
- How do you manage updates, bug fixes and upgrades?

Standardize - Standard Operating Environment

Step 1: Standardize

Benefits

- Simplified, consistent infrastructure
- Streamlined Operation
- Automation
- Reduced Downtime
- Lower Operational Costs
- Increased Productivity
- Reduced Help Desk Workloads
- Increased Infrastructure Security and Control
- Greater Business Alignment and Agility

Products

- Red Hat Enterprise Linux
- Red Hat Satellite
- Red Hat Ansible Tower
- Red Hat Insights

Standardize - Standard Operating Environment

Step 2: Infrastructure as a Service

Considerations:

- What infrastructure provider(s) do you use?
- How often do you provision new services/servers?
- How fast can the business provision a new service?
- Who approves new service provisioning?
- Do you use provisioning templates (CloudFormation, Images, Heat Templates)?
- How much of your infrastructure is virtualized (Network, Storage and compute)?

Infrastructure - Infrastructure as a Service

Standardize - Standard Operating Environment

Step 2: Infrastructure as a Service

Benefits:

- Better manage capital and operating costs.
- Minimize or manage downtime.
- Increase infrastructure efficiency, agility and responsiveness.
- Speed up Infrastructure deployment.
- Enable business continuity and disaster recovery.
- Simplify infrastructure management.

Products:

- Red Hat Virtualization
- Red Hat OpenStack Platform

Infrastructure - Infrastructure as a Service

Standardize - Standard Operating Environment

Step 3: Advanced Management

Considerations

- Can you provision Multi-tier Infrastructure?
- How many infrastructure providers do you use?
- Do you need to manage a system from cradle to grave?
- Do you want to control all the VM and Instances from one tool?
- Do you want cross infrastructure reporting with chargeback?
- Do you want to automate actions allowing users to order the automation?
- Do you want to build policies to react to events that occur on the host, instance or containers?
- Do you need continuous insight into the services and infrastructure?
- Do you wanted automated policy enforcement for governances concerns?

Management - Advanced Management of IaaS

Infrastructure - Infrastructure as a Service

Standardize - Standard Operating Environment

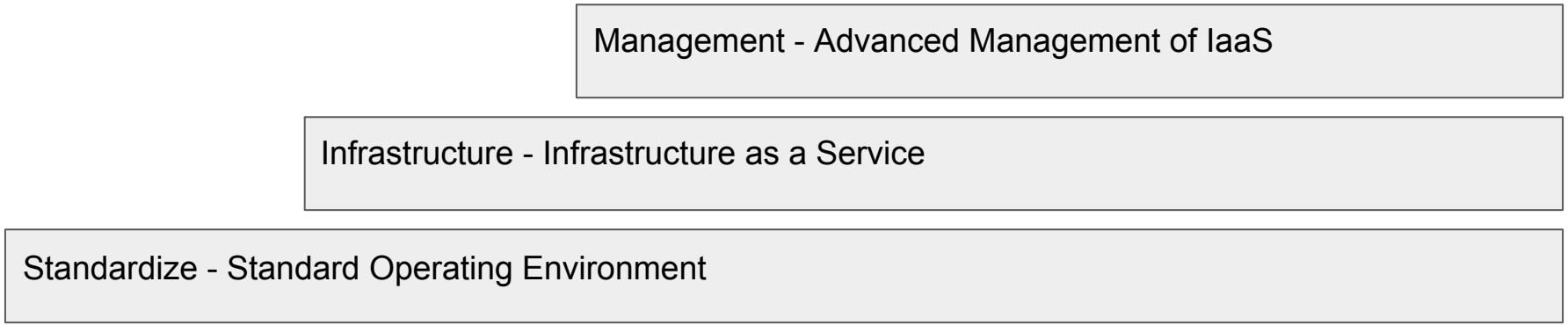
Step 3: Advanced Management

Benefits

- Consistent and Simplified Self-service Portal for Service Catalogs
- Unify management across all infrastructure providers
- Complete life-cycle, operational,and financial management
- Continuous insight and discovery into infrastructure providers
- Automated policy enforcement and governance

Product

- Red Hat CloudForms



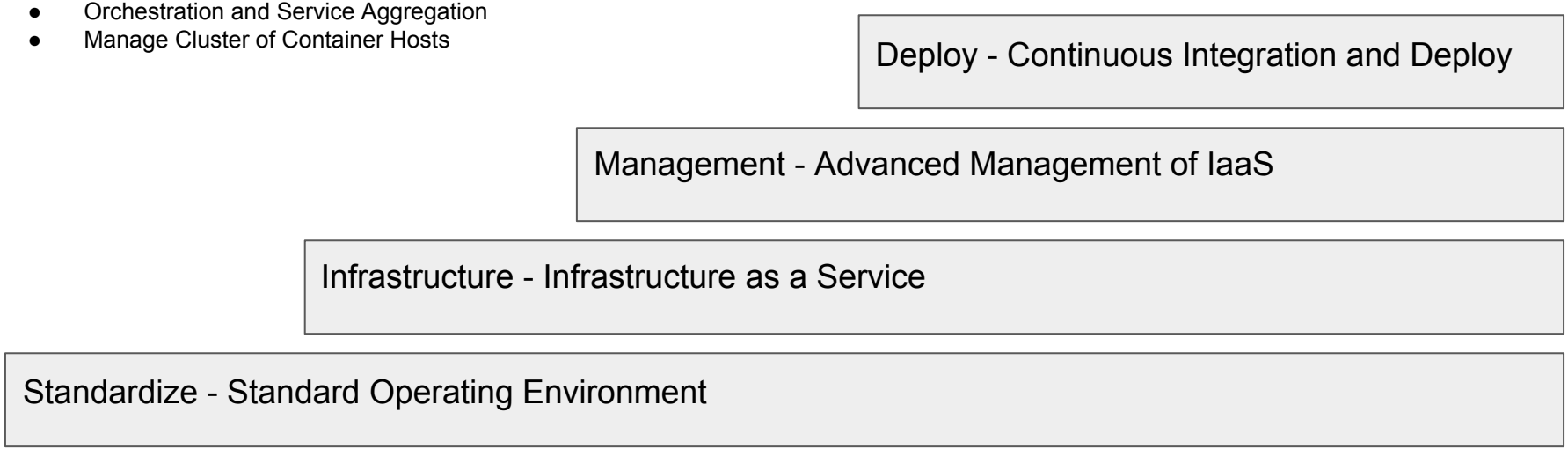
Step 4: Continuous Integration and Deployment

Benefits:

- Application Lifecycle Management
- Deploy Self-Service Application environments on-demand
- Manage source-to-image with CI/CD pipeline
- Orchestration and Service Aggregation
- Manage Cluster of Container Hosts

Product

- Red Hat OpenShift Container Platform



Benefits of the Cloud Continuum

1. Standardize - Standard Operating Environment

- Optimizing Linux server infrastructure costs — saving $3,566 per 100 users per year
- Enhancing IT staff productivity — lowering the labor costs of supporting services by $3,318 per 100 users per year while improving IT services quality
- Driving end-user productivity by delivering more reliable operational performance — adding $2,319 in value per 100 users per year
- Increasing business productivity — lowering operations costs and adding new revenue totaling $2,345 per 100 users per year

IDC White Paper : http://bit.ly/2iVwUB8

2. Infrastructure - Infrastructure as a Service

- IT infrastructure cost savings (CAPEX)
  - 22% fewer servers required to run the same workload when Red Hat Enterprise Linux is deployed
  - 43% lower server maintenance costs
  - 27% more users per Red Hat Enterprise Linux server,
- IT staff productivity benefits (OPEX)
  - 45% less staff time per 100 users to support equivalent workloads
  - $13,044 per 100 users over three years

Red Hat IDC Infograph: http://red.ht/2jvumwz

3. Management - Advanced Management of IaaS

- Enabling organizations to deliver services and infrastructure in much less time and with greater frequency.
- Enhancing productivity with self-service capabilities
- Improving business outcomes by making DevOps and application development teams more effective and supporting more reliable and robust IT operations
- Freeing up IT staff time from discovering, tracking, and optimizing IT resources

*IDC calculates that they will realize benefits with an average value of $11,937 per 100 users per year a return on investment (ROI) of 436%

IDC Whitepaper: http://red.ht/2jlS8H3

4. Deploy - Continuous Integration and Deployment

- Enabling developers to deliver more timely, robust, and functional applications and features
- Improving business results and operational efficiency by meeting customer and user demand
- Requiring less staff time for ongoing management of applications
- Reducing the proportion of application development costs associated with infrastructure and development platforms

*IDC 531% average five-year ROI, 66% faster application development lifecycle, 35% less IT staff time required per application developed, 38% lower IT infrastructure cost

IDC Whitepaper: http://red.ht/2i6EXOm

Thanks!

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