Journey IN the Cloud – Accenture e Red Hat

L’esperienza per l’innovazione nell’Accenture Cloud Innovation Center

Luca Tiberia – Accenture Cloud Manager
Agenda

- Accenture & Red Hat
  The Partnership
- Accenture Cloud Innovation Center
  Overview
  Use Cases’ Service Catalog
  Focus on Red Hat Use Cases
Accenture & Red Hat Partnership

Red Hat’s breadth of Open Source to build technology

Innovative Engineering

Application-Driven capabilities builds holistic legacy to cloud capabilities

What brings

What Accenture’s Red Hat Strategy and Architecture brings

Accenture is Red Hat Global Strategic Partner, members of a variety of foundations and communities such as Linux, OpenStack, OpenShift, and active Contributor and Sponsor of New Open Source Projects.

Global Scale, Delivery and Go To Market Channels

Skilled Resources across all industries

Industry & Enterprise Technology integration and experience

What Accenture brings

ACIC
Accenture Cloud Innovation Center: What is it?

A CENTER FOR

PROTOTYPING INNOVATIVE CLOUD TECHNOLOGIES

POWERED BY REAL USE CASES
Accenture Cloud Innovation Center: Why?

- **Making the Infrastructure Ecosystem Work**
- **Create the Skills of the “Next New”**
- **Build Confidence on Capabilities by Show andTell**
- **Explore and Test Tomorrow’s Emerging Technologies**
ACIC Roma – Use Cases

- NFV ADVANCED ARCHITECTURE CENTER
- HYBRID CLOUD MANAGEMENT & OPTIMIZATION
- ZERO TOUCH OPERATION
- DATA MANAGEMENT
- PaaS ON DEMAND
- DIGITAL WORKPLACE & CONTACT CENTER
- MAINFRAME DOWNSIZING
- FOG COMPUTING
- DEVOPS FOR INFRASTRUCTURE SERVICES
- MAINFRAME DOWNSIZING
- DIGITAL WORKPLACE & CONTACT CENTER
- ZERO TOUCH OPERATION
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Software Ecosystem

Hybrid Cloud Management & Optimization
- DevOps Lifecycle Integration
- Workload and Migration Mgmt
- Backup and Restore
- CMP Integration AS a Service
- CMP configuration
- DB Acceleration

DevOps Infrastructure Services
- CI/CD & Cloud Native
- PaaS On Demand
- Dedicated OCP

Digital Workplace & Contact Center
- CLM mgmt
- Mobile Workplace
- Optimized and Effortless VDI Management

Data Management
- Lawful Interception
- E-Discovery for GDPR
- Operational Data Layer

Virtualization and Private Cloud
- VMware Virtualization
- Red Hat Virtualization

Public Cloud
- Amazon Web Services
- Microsoft Azure

Accenture

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Red Hat focused Use Cases

CI/CD & Cloud Native
Automatic provisioning of dev environments, containerization of tools for software repositories, quality assurance, tasks pipelining and software testing and releases in Continuous Integration and Continuous Delivery scenarios.

Hybrid Cloud Management and Optimization
Multi-cloud management: performance and chargeback reports, service catalogue with complex blueprints, security policies and capacity recommendations, etc.

PaaS on Demand
Automatic deployment of OpenShift on different ‘target’ with a typical ‘infrastructure as code’ implementation using the orchestration capabilities of Cloudforms, Openstack and AWS and the automation engine of Ansible...

..and next?
Openstack 13, Container Native Storage, Business Continuity, Disaster Recovery as a Service, Application Modernization, Data Lake with Ceph.
#AcicUseCases with Red Hat

RED HAT CLOUDFORMS

RED HAT OPENSTACK PLATFORM

Cloud Catalog

Cloud Management

Hybrid

Virtualization
#AcicUseCases with Red Hat
#AcicUseCases with Red Hat

CI/CD

Cloud Native

DevOps

Docker

Maven

SonarQube

OpenShift

Nexus

JMeter

Ansible
Hybrid Cloud Management and Optimization

Cloud Management Platform

1. Service Catalog
   - Service Discovery and Lifecycle
   - Service Catalogue Navigation and Service Request Configuration (AWS, OpenStack, VMware, ...)
   - Order fulfillment and requests tracking
   - ...  

2. Orchestration and Automation
   - N-Tier blueprint provisioning on OpenStack, AWS, VMware, ...
   - Horizontal Autoscaling
   - Complex middleware deployment on OpenStack, AWS
   - ...  

3. Metering & Billing
   - Comparative cost reports
   - Multiple Rate card management
   - Hybrid Chargeback
   - ...  

4. Analytics and Predictive Operations
   - Resources consumption monitoring on OpenStack, AWS, VMware
   - Utilization and Trend reports
   - VM configuration Autodiscovery (smartstate analysis)
   - Capacity Management and Optimization (on physical and virtual hosts)
   - ...  

5. Security Management
   - Security Policy Compliance check on OpenStack, AWS, ...
   - Drift Analysis
   - ...  

Red Hat CloudForms

Accenture

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CI/CD and Cloud Native

Develop, Deploy, and Manage Containers

- Self Service
- Automated Builds
- Microservices
- Local Development
- Continuous integration
- Automated Testing
- Production like environment
- Infrastructure as Code
- Continuous Delivery
- Zero-downtime deployment
- A/B testing
- Vulnerability scanning
- Compliance and governance
- Metrics
- Health checks and self-healing
- Financial chargeback

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GRAZIE PER L’ATTENZIONE

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