ACCENTURE CLOUD INNOVATION CENTER

PUSHING CUSTOM CLOUD SOLUTIONS TO THE MAX.
Cloud delivers undeniable benefits – agility, rapid innovation and lower IT costs. The Accenture Cloud Innovation Center harnesses the full potential of Cloud to custom build latest generation solutions for our clients. We access a catalog of tested real cases to imagine, trial and implement leading edge cloud services that can help take your business into tomorrow. \textbf{NOW.}

ACIC Rome brings together Accenture’s deep technical know-how and industry expertise to help companies deploy cloud to transform their operations. At a time when innovation is racing ahead, Accenture is broadening its collaboration with leading cloud solution vendors to have instant access to the level of specialist services that can help meet our clients’ specific business objectives. At ACIC Rome, we bring together not only the major technology vendors but the best offerings from emerging providers in step with market evolutions. Our clients benefit from the very latest real and tested solutions.
The use cases built in the Accenture Cloud Innovation Center leveraging Red Hat partnership can help organizations to create business value by implementing solutions that give fast answers, optimized time to delivery with controllable costs using scalable and open architectures. The use cases main topics are: Hybrid Cloud management and Devops for Infrastructure Services.

**ACIC USE CASES CATALOGUE**

- **NFV ADVANCED ARCHITECTURE CENTER**
- **ZERO TOUCH OPERATIONS**
- **Paas ON DEMAND**
- **MAINFRAME DOWNSIZING**
- **HYBRID CLOUD MANAGEMENT & OPTIMIZATION**
- **SMART WORKING**
- **DEVOPS FOR INFRASTRUCTURE SERVICES**
- **DATA MANAGEMENT**

The market context is evolving fast and requires fast answers, optimized time-to-delivery, controllable costs, scalable architectures for managing high but not predictable requests. Migration / Transformation to cloud infrastructures helps customers to achieve their targets. This use case demonstrate several achievable benefits through a real Multi-cloud management.

Customers ask for modernizing complex applications in a cloud native approach and so is important fast horizontal scalability, rapid development with high frequent deployments. The Devops for infrastructure services use cases aims to understand better how to achieve these results using Openshift integrated with CI/CD tools for demonstrating how to optimize the Software Delivery Lifecycle Management in a cloud native applications implementation scenario.
WORKLOADS MANAGEMENT IN HYBRID CLOUD CONTEXT USING A POLICY DRIVEN INFRASTRUCTURE

CONTEXT
Market is in rapid evolution and asks for fast answers. Customers require to manage service catalogue with rapid time of delivery and lower cost of management. Customers ask also to deal with platform and services that should be flexible, easy to be updated, heavy scalable using open, standard and hybrid infrastructures.

ACCENTURE VALUE
Accenture proposes an agile architecture for orchestrating, automating, managing cloud service items (IaaS, PaaS) on different providers. In order to offer to customer a valuable set of tools Accenture has designed and implemented the whole infrastructure and it has implemented scripts, templates, reports, dashboards, playbooks on top of it.

THE SOLUTION
Accenture implements in this use case several scenarios where is possible to manage multiple providers, performance reports with data that come from hybrid sources, chargeback reports that include IaaS and PaaS services, service catalogue with complex blueprints, security policies and capacity recommendations using standard and open approaches including also the integration with an IT Service Management platform.

THE TECHNOLOGY
The solution is based on Red Hat Cloud Infrastructure solutions that includes Openstack, Cloudforms, Ansible, Ceph and Openshift in order to have a complete software defined datacenter for hybrid cloud services orchestration and automation integrated with Service Now.

CLIENTS’ BENEFITS
- REDUCED EFFORT, COSTS AND RISKS
- SPEED UP EXECUTION OF TYPICAL IT OPERATIONS TASKS IN COMPLEX HYBRID SCENARIOS
The use case has been developed for that service catalogue composed not only by single templates (vanilla or light customized operating systems) but also complex middleware and n-tier blueprints, including complete and dedicated PaaS environments.

Accenture implements a service catalog that includes the provisioning and the management of a dedicated PaaS environment on Openstack and on AWS in a self-care manner way.

Accenture implements a typical "infrastructure as a code" use case that orchestrates the provisioning of a completely dedicated PaaS cluster including virtual servers, virtual additional storages, virtual firewalls and virtual load balancers with an integrated service management solution for alarms management, security policies execution, metering and reporting creation and XaaS service catalogue enablement.

The solution is based mainly on Red Hat Cloud portfolio. Accenture implements the Openshift provisioning (on different target platforms) using Ansible automation platform, Cloudforms orchestrator with Openstack Heat and AWS CloudFormation.

- SIMPLIFIED MANAGEMENT AND REDUCED RISKS AND ERRORS
- SPEED UP ENVIRONMENT CREATION USING STANDARD APPROACH
SOFTWARE DELIVERY LIFECYCLE MANAGEMENT FOR CLOUD NATIVE APPLICATIONS

CONTEXT
Customers ask for implementing services with agility, high quality and low cost of operations. Dealing with fast growing infrastructure and new services to be provisioned customers require to have more efficiency and productivity with reduced risks in the application-related operational activities.

ACCENTURE VALUE
Accenture proposes an agile architecture for orchestrating, automating, managing containers integrated with the some of the best of bread products of DEVOPS arena. In particular Accenture has implemented some scripts, templates and configurations on Paas platforms in order to present an end to end CI/CD scenario for optimizing the delivery, the deployment and the integration processes of cloud native applications.

THE SOLUTION
Accenture implements a typical set of Continuous Integration and Continuous Delivery processes in a PaaS environment using Openshift integrated with containerized version of Git, Jenkins, Jmeter, Nexus, SonarQube including the demonstration on how to get benefits from Testing Automation reducing risks and errors.

THE TECHNOLOGY
The solution is based on Openshift integrated with some typical Devops tools like Jenkins, Git, Nexus, SonarQube and JMeter for assuring high quality applications through testing automation.

CLIENTS’ BENEFITS
- REDUCED ERRORS AND INCREASED TEAM PRODUCTIVITY
- REDUCED IT COSTS
ABOUT ACCENTURE
Accenture is a leading global professional services company, providing a broad range of services and solutions in strategy, consulting, digital, technology and operations. Combining unmatched experience and specialized skills across more than 40 industries and all business functions – underpinned by the world’s largest delivery network – Accenture works at the intersection of business and technology to help clients improve their performance and create sustainable value for their stakeholders. With 459,000 people serving clients in more than 120 countries, Accenture drives innovation to improve the way the world works and lives. Visit us at www.accenture.com

CONTACTS
Mauro Capo
Accenture Infrastructure Services Cloud Lead in Italy, Central Europe and Greece
mauro.capo@accenture.com

Raffaele Rossi
Accenture Cloud Innovation Center Rome Lead
raffaele.rossi@accenture.com

Luca Tiberia
Accenture Infrastructure Services – Red Hat Partnership Manager
luca.tiberia@accenture.com

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