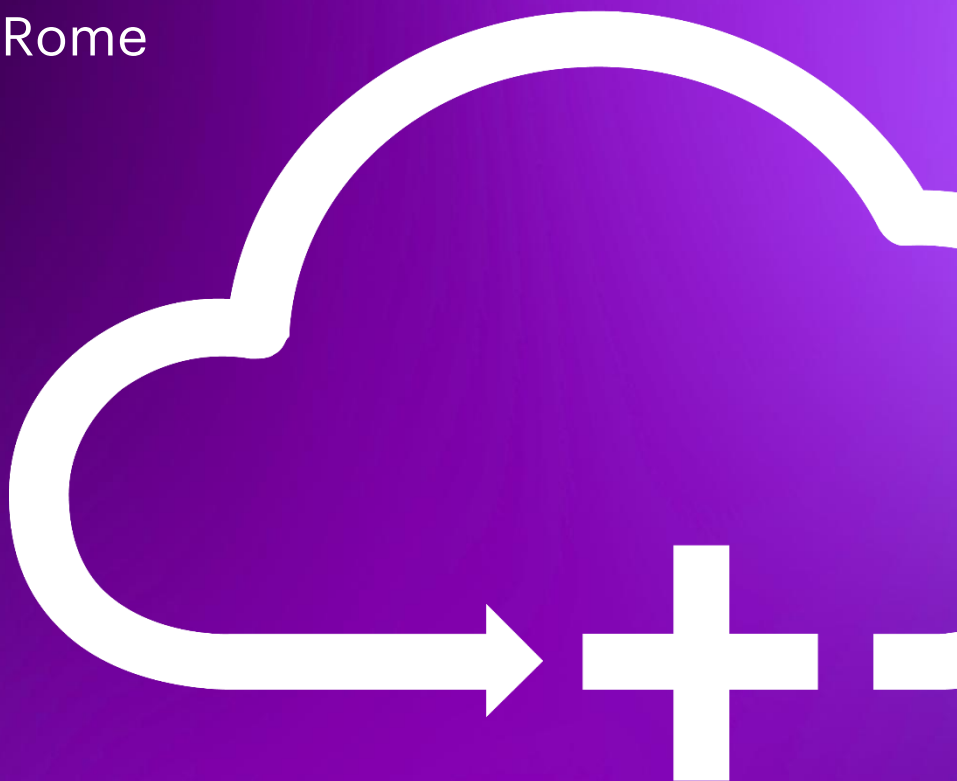# Accenture & Commvault

Accenture Cloud Innovation Rome

# 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 can give our clients access to a catalog of tested real cases to imagine, test and implement leading edge cloud services that can help take your business into tomorrow.
Now.

Emerging Technology

Real Cases

Vision

Accenture Cloud Innovation Center Rome

Ecosystem

Clients
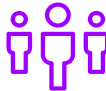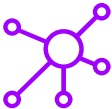
Accenture

ACIC Rome brings together Accenture's deep technical know-how and industry expertise to help companies deploy cloud to transform their journey to cloud. 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.

About Commvault

Commvault (NASDAQ: CVLT) is a global leader in cloud data protection. Our Intelligent Data Services help your organization do amazing things with your data by transforming how you protect, store, and use it.

We provide a simple and unified Data Protection Platform that spans all your data – regardless of whether your legacy or modern workloads live on-premises, in the cloud, or spread across a hybrid environment. Commvault solutions are available through any combination of software subscriptions, integrated appliances, partner-managed, or Software as a Service via our Metallic portfolio. In addition, integrations are available for O365, Salesforce, ServiceNow, and other leading business applications. For over 25 years, more than 100,000 organizations have relied on Commvault to keep their data secure and ready to drive business growth.

Leading the Cloud Era with Intelligent Data Services

1998 - 2010
Backup & Recovery
Patented no-limits architecture for data protection

2010 - 2019
Data Management Intelligence
AI/ML intelligence and scale to enable use case and workload expansion

Now & Forward
Unified Data Management Platform
Intelligent Data Services (Data Protection, Security, GRC)

Multi-Cloud, On-Prem and Edge

SaaS, cloud and legacy application workloads

Delivered as software and SaaS

26 years
as a pioneer in data management

11 times out of 11
as Gartner Magic Quadrant leader

>1,000
issued patents

98%
customer support satisfaction

100,000+
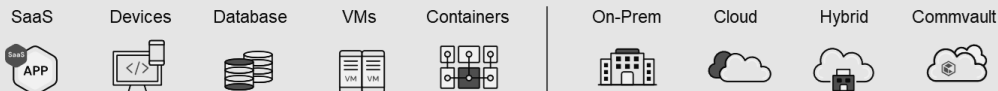organizations rely on Commvault
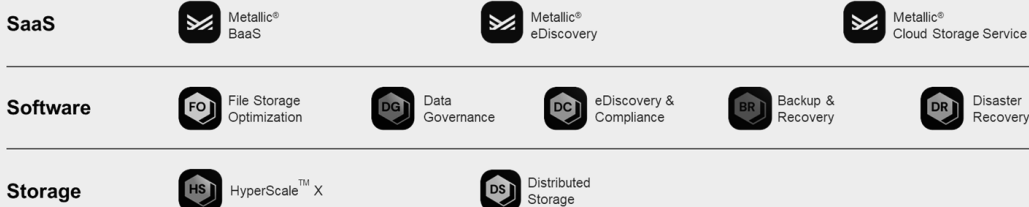
>3 exabytes
moved to the cloud

Commvault Intelligent Data Services

INTELLIGENT DATA SERVICES

Cloud

Data Protection
Data Security
Data Compliance & Governance
Data Transformation
Data Insights

On-Prem

SERVICE PLANE

DATA PLANE

SaaS	Devices	Database	VMs	Containers	On-Prem	Cloud	Hybrid	Commvault
APP			VM VM					

Data Protection
Data Security
Data Compliance & Governance
Data Transformation
Data Insights

INTELLIGENT DATA MANAGEMENT PLATFORM

SaaS	Metallic® BaaS		Metallic® eDiscovery		Metallic® Cloud Storage Service
Software	File Storage Optimization	Data Governance	eDiscovery & Compliance	Backup & Recovery	Disaster Recovery
Storage	HyperScale™ X		Distributed Storage		

The Partnership with MongoDB

01

02

03

04

Commvault has partnered with ACIC to prototype solutions mainly focusing on data protection in several scenarios: Hybrid Cloud Distributed Microservices on Software Defined Infrastructure, Workloads and Migration Management in Hybrid Cloud Context, E-Discovery and Automation for GDPR Compliance and O365 Data Protection.

ACIC Use Case Catalog

Intelligent Edge
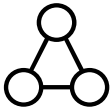
Application Modernization

Infrastructure Engineering

Data Engineering & Applied AI/ML

Application Modernization

Hybrid Cloud Distributed Microservices on Software Defined Infrastructure

Context and client challenges

- New trends are emerging as part of today's modern data centers creating new challenges for IT.
- Multi/Hybrid cloud adoption is increasing, asking more agility to manage data fragmentation as well as new cloud services.
- Companies are moving to containerized applications demanding for innovative and dynamic storage solutions.
- Software-defined storage deployments are accelerating, enabling customers to manage distributed architecture, writing data simultaneously across multiple locations.

New approach and solution

- We enabled a Software Defined Infrastructure to protect Cloud native containers applications in a multi/hybrid cloud and multi Data Center scenarios leveraging on CommVault Hedvig technology.
- Hedvig is an hybrid cloud-native software-defined storage fully integrated with Kubernetes via CSI, allowing storage to be consumed by containerized applications as persistent storage and enabling developer dynamically provision storage, expand capacity, schedule snapshots, and recover persistent volumes using array-specific capabilities.

Client benefits

- Eliminates the risk of losing access and control Enable DevOps capabilities allowing developer to provision persistent storage quickly with self-service access using native K8s tools.
- Enables multi-cloud, hybrid cloud and multi-site resiliency. Provides fault tolerance against an infrastructure failure from a disk to a node to a site.
- Enables multi-cloud, hybrid cloud and multi-site resiliency.
- Provides fault tolerance against an infrastructure failure from a disk to a node to a site.
- Enables the agile multi-site application portability. Enhanced data sovereignty and compliance.
- Run on industry standard servers.

Infrastructure Engineering

Workloads and Migration Management in Hybrid Cloud Context
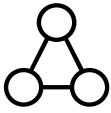
Context and client challenges

- With the growing business needs and explosion of the Cloud platform providers, organizations are increasingly leveraging multiple cloud providers asking support to manage own Journey to Cloud.
- Migration of the workloads is usually the most complicated part of a migration to public cloud journey.
- Using a framework of processes and automated tools it is possible to reduce the complexity of the migration and ensure a smooth transition to cloud.

New approach and solution

- To support Customers J2C we have developed three scenarios to answer to challenges Customers need to address when plan to move to the cloud, including critical applications
- . Three main scenarios are covered:
    - workloads migration to public cloud backup.
    - back up and DR to Cloud.
    - management of hybrid cloud environments.
- The solution is based on Commvault "Complete Data Protection" technology in synergy with the other technologies used to develop the solution.

Client benefits

- Leverage on a unique solution for data protection and migration capabilities.
- Reduce migration effort, costs and risks with a full software solution.
- Speed up workload's migration.
- Enable Backup and DR to the cloud solution
- Improve DR/backup SLA.
- Efficient data management in multi-cloud environment.

Infrastructure Engineering

E-Discovery and Automation for GDPR Compliance
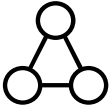
Context and client challenges

- Any organization holding or processing personally identifiable information (PII), including names, phone numbers, account numbers, addresses, email need to be compliant with GDPR regulation in short term.

New approach and solution

- Accenture and CommVault, leveraging on Commvault "Complete Data Protection" technology, can help customer tobe quickly compliant with GDPR regulation, providing aninitial snapshot of data security status, highlighting the levelof risk associated with that data, suggesting a number ofquick wins to improve security posture, and informing the GDPR program of the scale remediation to resolved data security challenges.

Client benefits

- Leverage on a unique solution for data protection and GDPR compliance.
  Quickly satisfy regulatory compliance in multi/hybrid cloud scenarios.
- Gain a deep understanding of enterprise data.
- Quickly identify the not compliance and perform the action to reduce security and legal risks.

Infrastructure Engineering

Data Sovreignity compliance BaaS for O365.
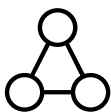
Context and client challenges

- Sovereign cloud is an approach to cloud solutions that provides control over the location, access to and processing of data, allowing also to comply with specific countries or industries' regulations.
  Main issues are related to SaaS technologies. How can we guarantee a Sovereign Cloud compliant data protection when hyperscaler SaaS technology are used?

New approach and solution

- Leveraging on a solution based on Commvault Metallic Office365 Backup technology, we have developed a new and innovative O365 Data protection scenario. Solution provides a comprehensive protection of Customer' Office 365 data safeguarding from deletion, corruption, and ransomware attack...without moving data from the Customer' O365 region. Also leveraging on the integration with security technology (e.g. Thales) to avoid unwanted access. Three main scenarios are covered:
  - Reduce ransomware attack impact, leveraging on virtual airgap and data immutability feature
  - Protect customer data leveraging on ransomware honeypot (traps)
  - Protect the data leveraging External encryption capabilities

Client benefits

- Data Protection: prevent data loss and business restart with a secure copy of data
- Data Residency: backup data are always hosted on the same region (HA guaranteed with ZRS storage) of O365 production environments
- Data ownership: data is encrypted with externally generated and held keys. Only customers can restore own data preventing unauthorized access
- Ransomware protection: enable customer to safely restore own business data in case of attack, leveraging cold backup with built-in air gapped storage
- Enhanced monitoring: enables customers to keep full control of email domain (secure access, log monitoring with SIEM integration, e-Discovery) with custom reports for auditing

Contacts

Mauro Capo
Cloud First Lead in ICEG
mauro.capo@accenture.com

Antonella Scalcione
Accenture Cloud Innovation Center Lead
antonella.scalcione@accenture.com

Giovanni Spina
ACIC Chief Technology Officer
giovanni.spina@accenture.com

Accenture Cloud Innovation Center Rome

Hosted in Talent Garden Ostiense Via Ostiense 92, Roma

Learn more

Find out about Accenture Cloud Innovation Center of Rome

www.accenture.com/acicrome

About Accenture

Accenture is a leading global professional services company that helps the world's leading businesses, governments and other organizations build their digital core, optimize their operations, accelerate revenue growth and enhance citizen services—creating tangible value at speed and scale. We are a talent- and innovation-led company with approximately 801,000 people serving clients in more than 120 countries. Technology is at the core of change today, and we are one of the world's leaders in helping drive that change, with strong ecosystem relationships. We combine our strength in technology and leadership in cloud, data and AI with unmatched industry experience, functional expertise and global delivery capability. Our broad range of services, solutions and assets across Strategy & Consulting, Technology, Operations, Industry X and Song, together with our culture of shared success and commitment to creating 360° value, enable us to help our clients reinvent and build trusted, lasting relationships. We measure our success by the 360° value we create for our clients, each other, our shareholders, partners and communities.

Visit us at
www.accenture.com