Vi™ business | **CLOUD**4C
A CtrlS Company

more **visibility,** **manageability** **and flexibility** for your data

With most business processes and systems moving to the cloud, cloud-based services have become the backbone of modern businesses. However,

rapid technological changes

+

growing data security threats

+

unexpected downtimes

=

high complexity involved in managing cloud-based services in-house

With **Vi™ Cloud Managed Services powered by Cloud4C**, your business gets access to world-class Rated-4 data centers from across the country to house your critical applications. Businesses with low IT infrastructure investments, including small and large enterprises as well as start-ups can benefit from this customisable, end-to-end solution that is secure, scalable, efficient and cost effective.

why choose Vi™ Cloud Managed Services?

With this solution, you get access to,

Multiple Instances - vCores, vRAM, Storage, Networks, OS & DB Licenses and much more

Security – Hardening of Infrastructure with Vulnerability Assessment (VA), Penetration Testing (PT) and access to SIEM features to gain a better visibility

Accessibility - Access to cloud infra over internet as well as private connectivity like MPLS

DRS - Simple & cost-effective data recovery solution with DRS frameworks

Compliance and certifications - ISO 27001, ISO 27017, ISO 27018, ISO 20000, ISO 22301, ISO 9001: 2015, AICPA SOC1, AICPA SOC 2, MEITY, PCI DSS, CSA

Vi™ Cloud Managed Services comprises of four different variants

Vi™ Public Cloud

Vi™ Private Cloud

Vi™ Disaster Recovery Services (DRS)

Vi™ Infrastructure Modernisation Services

Vi™ Public Cloud

Vi™ Public Cloud is suited for enterprises that want to switch from the legacy IT infrastructure, as well as for the emerging enterprises that lack the technical know-how and haven't invested in physical served & IT infrastructure. This service uses Cloud4C infrastructure to provide the best-in-class, secure, scalable and agile infrastructure for enterprises across India.

Product features

- **Custom Components**
  Easily design and customise your server instances, licenses and other components including disk storage, network and security devices

- **Security**
  Best-in-class options from perimeter to application as well as infrastructure hardening with VA & PT.

- **Compliance**
  Industry and regulatory compliance with country data regulations and norms.

- **Deployment**
  Access to faster deployment that can scale as per business demands

With this solution, your business can

- Access flexible cloud-based services as per the business requirement

- Ensure easy planning, assessment, monitoring of IT infrastructure

- Access the cloud servers via Internet as well as private connectivity

Vi™ Private Cloud

Vi™ Private Cloud is a customised solution that provides end-to-end migration of mission-critical instances on to a private cloud environment. It comes with a security and compliance-ready framework to help enterprises deploy and migrate existing workloads in private environment, while remaining compliant to data sovereignty laws.

Product features

- **Unshared & Custom Hardware**
  Customised IaaS caters to the enterprise needs thereby supporting RISC, CISC, P-Series, HP-UX, HP-AIX, Sun Solaris, Petabyte Storage, Exadata, SafeNet GSLV, IBM Power

- **Security**
  26 security tools options with 40+ security controls ensure data security from anywhere at any time.

- **Compliance**
  Industry and regulatory compliance with country data regulations and norms.

- **Deployment**
  Access to faster deployment within 2-4 weeks that can scale as per the business demands

With this solution, your business can

- Easily plan, access, implement and manage private cloud instances

- Get access to a customized solution that fulfills the business requirement

- Remain compliant to legacy systems company & regulatory policies

- Access Service Improvement Programs, along with access to Proactive Alert Mechanism to minimise incidents

- Get superior quality of service and complete life cycle management

Vi™ Disaster Recovery Services (DRS)

This simple, cost-effective data recovery solution with DRS frameworks is custom designed to provide end-to-end Disaster Recovery services on the cloud. This certified DRS solution provides enterprises with a primary production environment, deployed in the Rated-4 data centers, is compliant with all regulatory aspects. This ensures resilience for businesses by delivering uninterrupted services with world class SLA's for mission-critical workload.

This solution is is domain & geography agnostic and supports clients with complex heterogeneous environments, ensuring SLA-based commitments for results, including recovery during DR times and resumption after DC stabilisation.

Product features

- **Hot Disaster Recovery**
  Suitable for RPO & RTO, during mission-critical applications like core banking and more

- **Warm Disaster Recovery**
  Suitable for relatively higher RPO & RTO i.e. core infrastructure, mail, file servers, and more

- **Cold Disaster Recovery**
  Suitable for low RPO & RTO, during non-critical applications

- **Robust Framework with 24x7x365 monitoring**
  IT BCP Compliance ISO 22301, Rated-4 cloud-based recovery services with customised DR capacity. DR setup with ownership of DR SLA's

- **Multi-platform | Multi-app**
  Platform and complex Application driven RPO* and RTO* on minute-to-minute basis

Vi™ Disaster Recovery Services is further available in two variants,

1. Colocation Disaster Recovery Services
2. Public & Cloud Disaster Recovery Services

With Colocation Disaster Recovery Services, your business can

- Ensure smooth functioning of critical applications and servers during events like disasters, load spikes, planned downtimes etc. plan for a segregated IT disaster recovery infrastructure

- Get access to multiple zones and data centers at multiple locations in the cloud

- Get a customised, cost effective, lean DR, while ensuring critical network access speeds

With Private/Public Cloud Infrastructure Disaster Recovery Services, your business can

- Ensure flexibility of extending mission critical applications to data centers & ensure resilience for businesses by delivering uninterrupted services

- Get support for a wide range of operating systems as well as innovative solutions for databases that require large VMs. This solution comes with production-grade systems to support Oracle, SQL Server, HANA and other databases including open source such as Cassandra, MongoDB, Hadoop and more

Vi™ Infrastructure Modernisation Services (IMS)

Vi™ Infrastructure Modernisation Services (IMS) help enterprises elevate their apps and services to the next level of performance and manageability. This solution provides an option for a combination of on-premise and hosted cloud solutions, to ensure business continuity with a flexible and scalable workload. Along with ubiquitous SaaS applications, IMS provides optimum value and flexibility to enterprises functioning in all sectors.

Product Features

- Cloud Assessment & Discovery workshops form comprehensive migration strategy

- Fail proof, secure, risk averse migration framework selection

- Resource preparation, migration planning, design, testing and UAT

- Certified & compliant migration tool selection, migration and post-migration testing with failback options

- Managed Services including DraaS, devops services, data modernisation, security services

With this solution, your business can

- Improve quality of services & eliminate issues with legacy infrastructure

- Achieve higher availability of infrastructure uptime up to 99.95%

- Upgrade to a reliable & scalable infrastructure

- Increase performance and reliability

Vi™ Identity and Access Management (IAM)

Vi™ Identity and Access Management (IAM) is a framework of policies and technologies for ensuring appropriate technology resource access to the right users. This solution enables your organisation to securely store identity & profile data along with data governance, to ensure that only necessary and relevant data is shared. IAM helps in securing and protecting sensitive data within the system.

Product Features

- **Single Sign-on**
  Multiple systems accessible with a single user ID and password

- **Dual Factor Authentication**
  Two levels of authentication to grant access

- **Password Vault**
  Secured password vault for saving sensitive credentials

- **Granular Access Control**
  Selective workload access to shortlisted individuals or groups

- **SMART Audit Trails**
  System level, application level or user level audit trails

- **Single Admin Control**
  Centralised permission to access all workloads

- **Virtual Grouping**
  Segregate user groups basis their roles, positions and expertise

Vi™ System and Organisation Controls (SOC)

Vi™ System and Organisation Controls (SOC) service provides pre-defined, standardised benchmarks for controls related to security, processing integrity, confidentiality or privacy of your data centre's system and information.

Vi™ System and Organisation Controls (SOC) is further available in two variants,

- SOC 1 solution provides controls over financial reporting

- SOC 2 service establishes a process that guarantees oversight across your organisation that involves monitoring for any unusual, unauthorised or suspicious activity.

Vi™ SOC service (SOC-1 and SOC-2), with SIEM (Security Incident and Event Management), also comes with a master console to provide security intelligence solutions in a cost-effective manner. SIEM helps ensure effective threat management by providing detailed data access and user activity reports.

Product Features

- Real-time log & data collection, event correlation basis history, devices and anomaly correlation

- Data retention for compliance, Log management & Incident forensics

- Data examination/obfuscation to ensure security around workloads

- Advanced analytics to track user behavior, analytics to detect internal and external threats, Threat Intelligence Feeds to ensure continuous upgrades

- Real-time notifications & alerts to mitigate threats. Prioritisation of threats as critical, high, medium, low events based on the logs collected

- Security Orchestration and Automation Response (SOAR) system to define incident analysis and response procedures for every asset, thus helping prevent cyber attacks

- Supports LDAP (Lightweight Directory Access Protocol) integration & supports Radar configuration for LDAP

what's the Vi™ Advantage?

- Access to single point of contact for Connectivity, Voice, Data Center Services (Colocation & Cloud - Public/Private/Hybrid), IoT & Security services

- Data centers are available across Mumbai, Bengaluru, Noida & Hyderabad for customers to choose from, basis their business needs

- All data centers are connected on high capacity data links, ensuring lower latencies, higher uptimes & agile deployment

- Best-in-class efficiency with industry lowest PUE, World-class security per TIA 942 standards, Certifications & Compliance

- Ability to provide managed services - OS management, DB management, Network management & monitoring of services along with Identity and Access Management (IAM), System and Organisation Controls (SOC) Service & much more

Vi business

Enterprise Mobility

Communication

Connectivity

Security

IoT

Cloud

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