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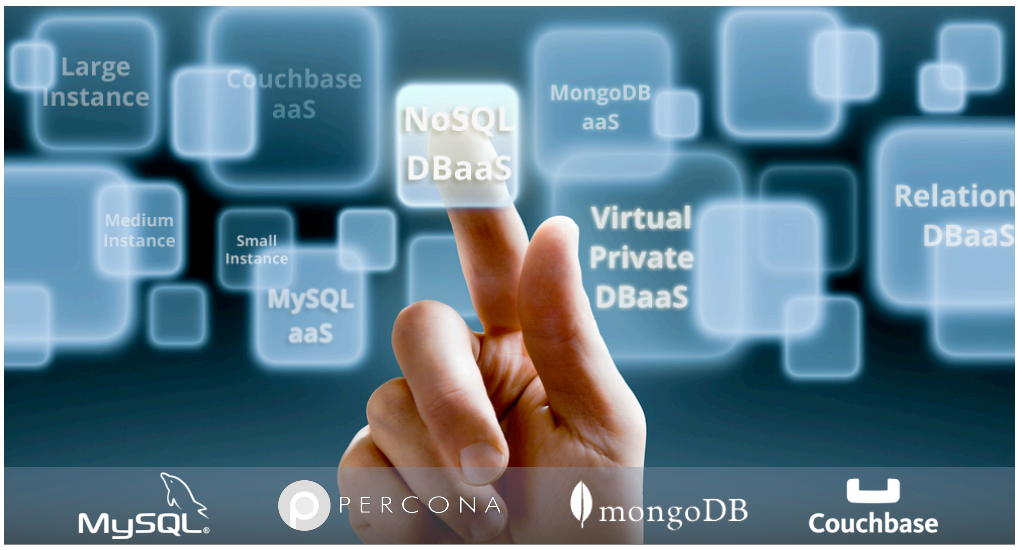
CumuLogic



Database-as-a-Service Platform for Hybrid Clouds

Highlights

- Amazon RDS compatible, fully managed instance of SQL (MySQL and Percona XtraDB) and NoSQL (MongoDB and Couchbase) database servers
- Eliminates over 75% of administration tasks with automated provisioning, configuration, performance optimization, failover, backups, updates and patching and more
- Manages both SQL and NoSQL databases with a single user interface, command line tools, or RESTful API
- Supports uses cases, such as Web Application Hosting, Disaster Recovery, Big Data Analysis, Dev/Test/QA environments and more
- Easy to integrate with existing billing, monitoring, metering systems and network operations
- Runs on Amazon EC2, Apache CloudStack, Citrix CloudPlatform, OpenStack, VMware vCloud, Eucalyptus, bare metal servers, and pools of virtual machines

CumuLogic's Database-as-Service is a software platform that provides users with a fully managed instance of relational and NoSQL database servers on premises, on any Infrastructure-as-a-Service (IaaS) cloud, bare metal servers, and pools of virtual machines. CumuLogic relational database service (MySQL and Percona XtraDB) and NoSQL service (MongoDB and Couchbase) deliver an Amazon-like, cost efficient, scalable and managed database services.

The database service is extremely simple to deploy and is Amazon RDS service-compatible, making it seamless to migrate applications from Amazon. It also provides high availability and resiliency, plus backup and restore, and performance optimization functions to meet the requirements of mission critical applications. Additionally, database isolation and access controls ensure data protection.

With CumuLogic database service, you can build and deliver a fully managed and scalable Relational and NoSQL Database-as-a-Service, and have the flexibility to orchestrate database services and design application architectures to fit specific availability, scalability, disaster recovery and performance needs.

CumuLogic database service delivers the high performance and/or customizable options, such as High IOPS for databases and larger memory for processing workloads that are not currently available on generic clouds.

CumuLogic DBaaS At-A-Glance

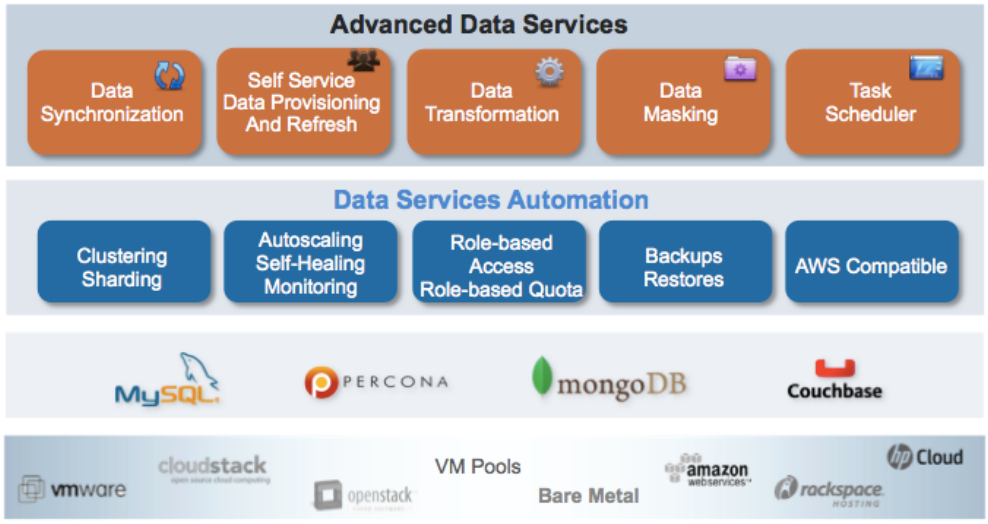
Features supported by CumuLogic database service vary depending on the database engine selected. Below are some common features:

Provisioning – Single-click or single-API call to provision the desired database instance: size with configuration and performance parameters, single or multi-node cluster, backup settings, and size of storage volumes.

Monitoring – Visibility into key functional and operational metrics of the database engine and instance, including CPU, memory, I/O, database connections and storage utilization.

Backup and Recovery – Users can define the backup frequency, as well as the time window for the service to initiate backups. The flexible retention policy can be modified by the user per database instance based on specific requirements.

Database Snapshots – Users can initiate database snapshots on a running database instance and also restore a database snapshot or launch a new database instance with an existing snapshot.



Paul Burns
President, Neovise

"I'M EXCITED ABOUT WHAT CUMULOGIC DBAAS PLATFORM MEANS FOR THEIR CUSTOMERS. ENTERPRISES CAN TAKE ADVANTAGE OF DATABASE SERVICES IN THEIR APPLICATIONS, YET STILL RUN THEM ON MULTIPLE PUBLIC CLOUDS – OR THEIR OWN PRIVATE CLOUDS – WITHOUT THE TYPE OF LOCK-IN FOUND IN AWS."

Scaling and Replication – Database instances can be scaled out to handle excessive workloads by adding read-only replicas of running database instances. You can also add read-only replicas of your master database in different availability zones than your master database. This not only allows you to scale applications but also provides redundancy and data durability.

Optimization – CumuLogic database service comes with a set of default performance parameters for the chosen database engine and the instance size. Users can modify the performance parameters to suit the application workloads in real-time and in most cases without shutting down the running database instances or rebooting.

CumuLogic Advantages

- Easy to use with single-click deployment: new database instances can be quickly spun up whether for development, QA/Testing or production purposes.
- Low TCO: database instances are fully managed and monitored, eliminating most manual tasks and lowering the cost of database and application operations by over 75%.
- Cost effective: CumuLogic database service allow application owners to scale their environments on-demand by optimally size instances and only scaling out when needed, thusly avoiding costly over provisioning of resources.
- Security at multiple levels: database instances are secured using the firewall settings and security groups of the chosen IaaS cloud, allowing users to control remote access to all database instances. Additionally, database instances can be configured to use secured connections only.
- Compatible: CumuLogic database service is fully compatible with standard open source versions of MySQL, Percona, Couchbase and MongoDB database servers.

CUT MANUAL TASKS AND LOWER THE COST OF DATABASE MANAGEMENT UP TO 75%.

- Multi-infrastructure: CumuLogic's platform abstracts the underlying APIs of *any* infrastructure, allowing users to deploy the platform and the database service on any supported private or public cloud, virtualized environment or bare metal.

Use Cases

Hosted Web Apps

MySQL database service is a preferred database for web applications since it can scale on-demand to handle peak workloads for specific applications. Developers can simply launch a single database instance and add read-only replicas to meet peak loads, and remove the read-only replicas when the database load goes down.

Disaster Recovery and HA Apps

CumuLogic MySQL and MongoDB database services make it extremely easy and cost-effective to architect a Disaster Recovery (DR) architecture. Typically, enterprises are required to maintain one standby deployment environment to failover to in case of downtime. With a database service, it's possible to launch a full functioning database server on the cloud within minutes, eliminating highly expensive standby environments and lowering the overall cost of a DR plan.

Big Data Analysis

With its support for autoscalable NoSQL database services, CumuLogic database service provides the resources to build architectures for big data analysis. As MongoDB can store unstructured data in form of collections of JSON files, files can then be analyzed by commonly available tools.

Getting Started

CumuLogic database service is deployed either on-premise and co-located with IaaS clouds or VMware vSphere, or can be hosted externally on the remote servers. Please contact us at info@cumulogic.com.