Article
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Comparing the main Gartner Magic Quadrant ODBMS leaders

Hi Community,

In this article I compared the features of the main leaders in the ODBMS gartner quadrant - 2019. See the list sorted by number of existent features.

1. InterSystems IRIS 2020.3 - 59 features (https://docs.intersystems.com/irislatest/csp/docbook/DocBook.UI.Page.cls)
2. Oracle Database 21c - 54 features (https://docs.oracle.com/en/database/oracle/oracle-database/index.html)
3. Microsoft SQL Server - 45 features (https://docs.microsoft.com/en-us/sql/sql-server/?view=sql-server-ver15)
4. AWS Aurora - PostgreSQL - 34 features (https://docs.aws.amazon.com/AmazonRDS/latest/AuroraUserGuide/CHAPAurora...)

I compared only features, any performance comparation (see ESG report for this). I used the product official documentation links above.

See the comparation table:

Features	InterSystems IRIS 2020.3	Oracle Database 2
Failover Cluster	Yes	Yes
Mirroring/Data Replication	Yes	Yes
Distributed Cache/In Memory support	Yes	Yes
Backup/Restore - Incremental and Full	Yes	Yes
Vertical Scaling	Yes	Yes
Horizontal Scaling for Insert, Update and Delete	Yes	Yes
Horizontal Scaling for Select	Yes	Yes
Sharded Cluster	Yes	Yes
Cloud Support and Cloud Manager	Yes	Yes
Kubernetes Support and Kubernetes Manager	Yes	Yes
Docker support	Yes	Yes
AWS Hosting	Yes	Yes
Azure Hosting	Yes	Yes
Google Cloud Hosting	Yes	Yes
Managed Cloud	No	Yes
On-premises support	Yes	Yes
Multimodel - OO	Yes	No
Multimodel - Document - JSON	Yes	Yes
Multimodel - XML	Yes	Yes

Multimodel - Key/Value	Yes	No
Multimodel - SQL	Yes	Yes
Multimodel - Spatial	No	Yes
Multimodel - Graph	No	Yes
Multimodel - OLAP Cubes	Yes	Yes
GIS platform	No	Yes
Native OO programming language	Yes	Yes
Java, .Net, Python, C/C++ and PHP support	Yes	Yes
Node.js support	Yes	Yes
ODBC/JDBC support	Yes	Yes
Backend Application Development	Yes	Yes
Frontend Application Development	Yes	Yes
Low Code Web Application Development	No	Yes
Database Application Development	Yes	Yes
OData support	No	Yes
REST Services	Yes	Yes
SOAP Services	Yes	No
Terminal tools	Yes	Yes
IDE Support	Yes	Yes
Web Admin/IDE Support	Yes	Yes
Embedded NLP	Yes	No
Embedded AutoML	Yes	No
R/Machine Learning support	Yes	Yes
PMML	Yes	No
Business Report Server/Development	Yes	Yes
Autonomous AI operation	No	Yes
Unstructured Text Annotations/Apache UIMA Like	Yes	Yes
Spark support	Yes	Yes
BI tool	Yes	No
MDX Support	Yes	Yes
Interoperability Connectors	Yes	No
BPEL/Integration Orchestration/Workflows	Yes	No
ETL - Extract, Transform and Load data	Yes	No
IoT/MQTT support	Yes	No
EDI support	Yes	No
ESB	Yes	No
CDC - Change Data Capture	Yes	Yes
RBAC model	Yes	Yes

LDAP support	Yes	Yes
Authorization/Authentication with two factor support	Yes	Yes
Cryptography	Yes	Yes
Labeling	Yes	Yes
Audit and trace	Yes	Yes
SAM	Yes	Yes
Multi OS support	Yes	Yes
SAML/Oauth/OpenID support	Yes	Yes
Performance Tunning IDE/Pack	No	Yes
Previleged User Access Management	No	Yes
API Management	Yes	No
Total of Features	59	54

#Databases #InterSystems IRIS

Source URL:https://community.intersystems.com/post/comparing-main-gartner-magic-quadrant-odbms-leaders