**Database Management System**

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| --- | --- |
| DBMS name | Oracle |
| Owner | Oracle |
| Supported Models | Relational in 1980 |
| Who is using it (min 3) | Pintererst, Vodafone, Femsa |
| Availability tools and how it works | Data Guard, Database Flashback |
| Data partitioning and how it works | Horizontal partitioning, using more that one server |
| On-Premise, on-cloud or hybrid | Hybrid |
| Data manipulation language | PL/SQL |
| Data Storage System | Oracle Data Base File System |
| Other Interesting Features | Oracle products are designed and tested to work together |

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| DBMS name | MySQL |
| Owner | Oracle |
| Supported Models | Relational |
| Who is using it (min 3) | NASA, US Navy,, Coursera |
| Availability tools and how it works | Clone, Copy, Compare |
| Data partitioning and how it works | horizontal partitioning, sharding with MySQL Cluster or MySQL Fabric |
| On-Premise, on-cloud or hybrid | On-Premise |
| Data manipulation language | SQL |
| Data Storage System | document-oriented database systems |
| Other Interesting Features | It is a popular choice of database for use in web applications and is currently used by many large websites, including Facebook, Twitter, Wikipedia, Flickr, YouTube etc |

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| DBMS name | MongoDB |
| Owner | MongoDB, Inc. |
| Supported Models | Document store |
| Who is using it (min 3) | Google, MetLife, UPS |
| Availability tools and how it works | Master-slave replication |
| Data partitioning and how it works | Sharding |
| On-Premise, on-cloud or hybrid | On-Premise |
| Data manipulation language | JavaScript |
| Data Storage System | Documents, Json’s |
| Other Interesting Features |  |

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| --- | --- |
| DBMS name | DB2 |
| Owner | IBM |
| Supported Models | Relational |
| Who is using it (min 3) | IBM, DB Best Technologies, Vantiv |
| Availability tools and how it works | Advanced Recovery Feature, which enables you to safeguard data, speed recovery, maximize application uptime |
| Data partitioning and how it works | Sharding |
| On-Premise, on-cloud or hybrid | On-Premise |
| Data manipulation language | SQL |
| Data Storage System | Document Store |
| Other Interesting Features |  |

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| --- | --- |
| DBMS name | Cassandra |
| Owner | Apache Software Foundation |
| Supported Models | [Wide column store](https://db-engines.com/en/article/Wide+Column+Stores) |
| Who is using it (min 3) | Cisco, Talentica software, Facebook |
| Availability tools and how it works |  |
| Data partitioning and how it works | Sharding |
| On-Premise, on-cloud or hybrid | On-premise |
| Data manipulation language | CQL |
| Data Storage System | Documents, Json |
| Other Interesting Features |  |

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| --- | --- |
| DBMS name | Elasticsearch |
| Owner | Eliastic |
| Supported Models | Search engine |
| Who is using it (min 3) | Amazon, Sony, Wordpress |
| Availability tools and how it works |  |
| Data partitioning and how it works | Sharding |
| On-Premise, on-cloud or hybrid | On-Permise |
| Data manipulation language | Java |
| Data Storage System | JSON API |
| Other Interesting Features |  |

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| --- | --- |
| DBMS name | MariaDB |
| Owner | MariaDB Corporation Ab |
| Supported Models | Relational |
| Who is using it (min 3) | Wikipedia, Tumblr, OLX |
| Availability tools and how it works | Replication Manager allows us to manage the replication topology of the cluster |
| Data partitioning and how it works | Horizontal partitioning, sharding with Spider storage engine or Galera cluster |
| On-Premise, on-cloud or hybrid | On-Premise |
| Data manipulation language | SQL |
| Data Storage System | Document Store |
| Other Interesting Features |  |

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| --- | --- |
| DBMS name | Teradata |
| Owner | Teradata |
| Supported Models | Relational |
| Who is using it (min 3) | 7-eleven, American Eagle, BBVA |
| Availability tools and how it works | Master-master replication |
| Data partitioning and how it works | Sharding |
| On-Premise, on-cloud or hybrid | On-Permise |
| Data manipulation language | SQL |
| Data Storage System | Document Store |
| Other Interesting Features |  |

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| --- | --- |
| DBMS name | PostgreSQL |
| Owner | PostgreSQL Global Development Group |
| Supported Models | Relational |
| Who is using it (min 3) | Skype, Apple, Cisco |
| Availability tools and how it works | Master-slave replication |
| Data partitioning and how it works | declarative partitioning (by range or by list) since PostgreSQL 10.0 |
| On-Premise, on-cloud or hybrid | On-Premise |
| Data manipulation language | SQL |
| Data Storage System | Document Store |
| Other Interesting Features |  |

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| --- | --- |
| DBMS name | Solr |
| Owner | Apache Software Foundation |
| Supported Models | Search engine |
| Who is using it (min 3) | Apple, AOL, Cisco |
| Availability tools and how it works | Master-slave replication |
| Data partitioning and how it works | Sharding |
| On-Premise, on-cloud or hybrid | On-Premise |
| Data manipulation language | Java-based client |
| Data Storage System | Index |
| Other Interesting Features |  |

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| Who is using it (min 3) |  |
| Availability tools and how it works |  |
| Data partitioning and how it works |  |
| On-Premise, on-cloud or hybrid |  |
| Data manipulation language |  |
| Data Storage System |  |
| Other Interesting Features |  |

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