College Code -7125

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Data warehousing with IBM cloud Db2 warehouse

Integrated analytics

Run standard or custom predictive models. Netezza technology provides a robust set of analytics that are designed to efficiently bring the query to the data. A range of libraries and functions help you get to the precise insight you need to drive better business outcomes.

Compatibility

Oracle and Netezza compatibility options make it easy to migrate. Free tooling helps you to convert existing applications.

Administration

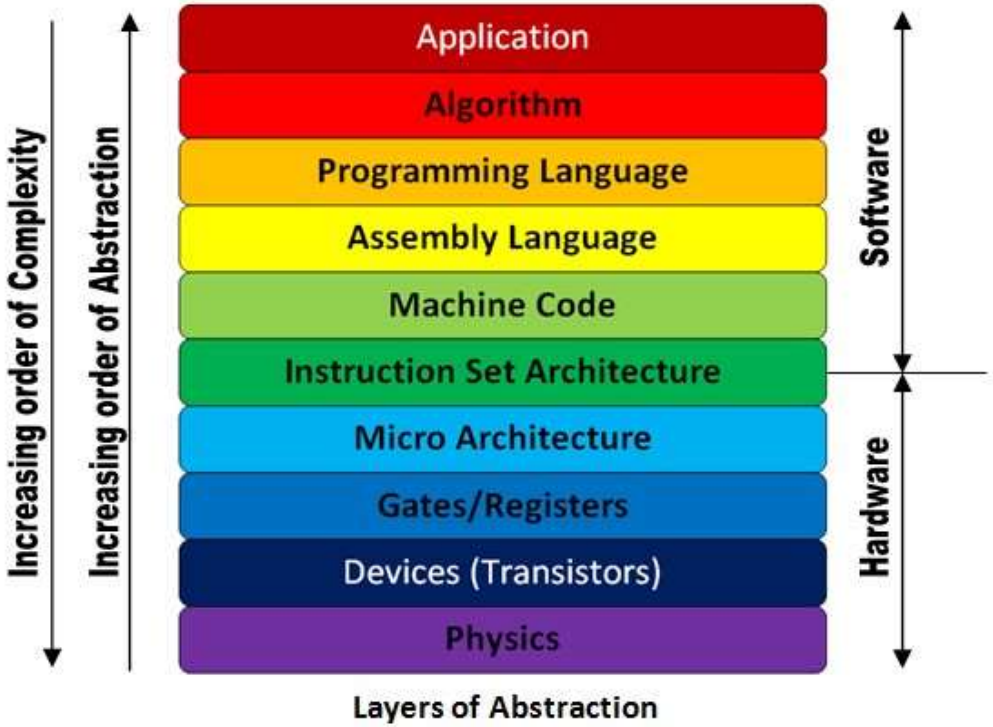
With Db2 managed services, IBM manages the hardware, software, availability, much of the security and more on your behalf. This allows you to focus on your business outcomes and not on the infrastructure needed to deliver those outcomes. With IBM Db2 Warehouse, you perform management tasks on the Docker-supported infrastructure of your choice, without the hassles of complex configuration.

Hybrid-ready

Achieve the efficiency of a hybrid data warehouse through a common analytics engine that can run advanced analytics against any data source, at any location, without compromising data quality or IT budgets. For example, you can write your application once on Db2 Warehouse, and then move the workload to the right location (public cloud, private cloud, or on-premises).

Speed and scale

For large data sets, the massively parallel processing (MPP) plans use multiple servers to work on the same query simultaneously. Performance increases with each new server added to the network cluster, and you can scale out by adding more servers to your cluster. Dynamic, in-memory columnar store technology minimizes I/O even further and achieves an order-of-magnitude increase in speed, compared to conventional row-store databases.


Increasing order of Complexity
Increasing order of Abstraction
Application
Algorithm
Programming Language
Assembly Language
Machine Code
Instruction Set Architecture
Micro Architecture
Gates/Registers
Devices (Transistors)
Physics
Software
Hardware
Layers of Abstraction

IBM Cloud Pak for Data

My data: Databases / Db2 Warehouse-1

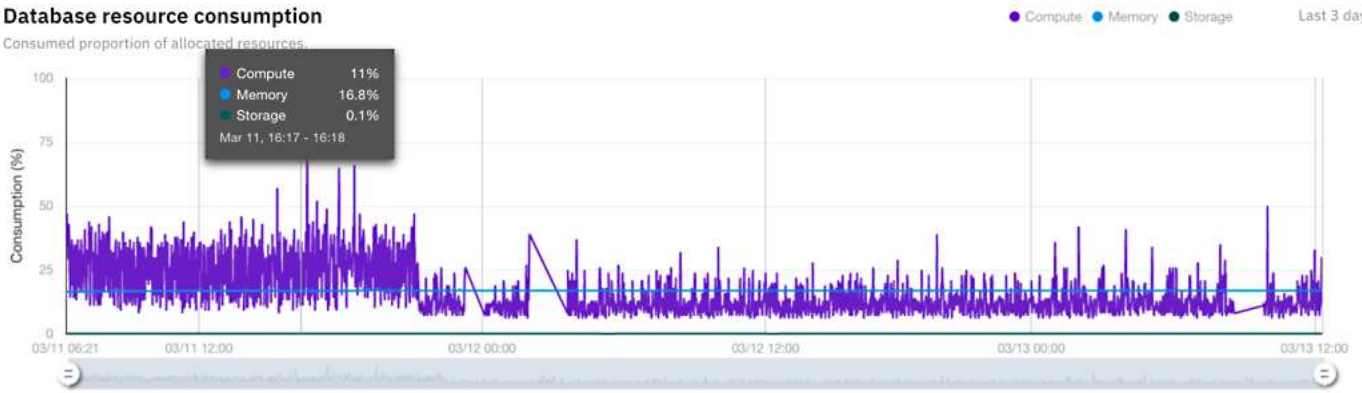
Summary

1 hour | 6 hours | 12 hours | 24 hours | 3 days | Custom range

Sync charts

Database resource consumption

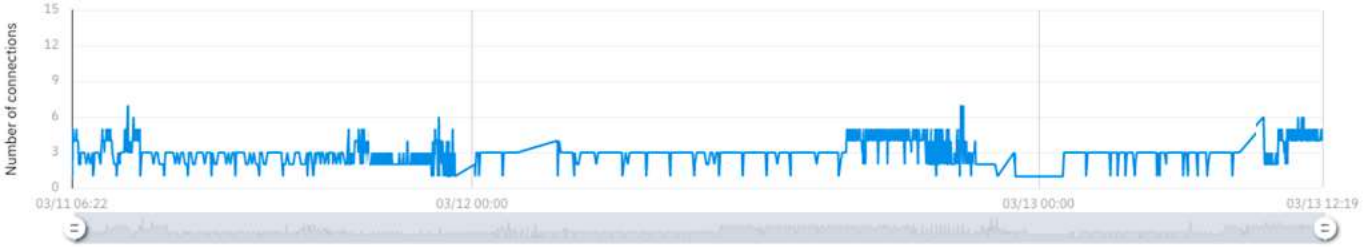
Consumed proportion of allocated resources.



Active connections

Number of connections per time period.

Max: 7



Running queries

Sort by

Long running

User ID: DB2INST1
Application ID: db2bp
Elapsed Time: 18:03:31
Start Date: 03/18/2020 [06:41:01 AM]

User ID: DB2INST1
Application ID: db2bp
Elapsed Time: 00:07:07
Start Date: 03/19/2020 [12:37:28 AM]

User ID: USER999
Application ID: SQLEditor
Elapsed Time: 00:04:54
Start Date: 03/19/2020 [12:39:37 AM]

View All

Run SQL

Template - Updat... | **Template - S...** ×

Add new script +

Script summary

Syntax assistant

```
1  --#SET TERMINATOR @
2  CREATE PROCEDURE PROCEDURE1 (
3      IN VARNAME VARCHAR(128),
4      OUT VARCOUNT INTEGER
5    )
6  P1:
7    BEGIN
8  --  ##############################################################################
9  --  # Returns count of tables created by  and like VARNAME
10 --  ##############################################################################
11     SELECT COUNT(*) INTO VARCOUNT
12   FROM SYSIBM.SYSTABLES
13   WHERE CREATOR = '' AND NAME LIKE VARNAME;
14   END P1@
15 --#SET TERMINATOR ;
16
```

Run all

Remember my last behavior