

IBM's Analytic Warehouse Cloud Service

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Abstract:

Moving data warehousing into the cloud is a major opportunity for enterprises. It is also a challenge for traditional database management technology. Some of the novel requirements for a successful cloud data warehouse include simplicity (no tuning), seamless scalability, security, efficient data movement and integration with third-party tools. IBM addresses these challenges through its analytics warehouse as a service offering that is powered by IBM's BLU technology.

This presentation walks you through the major aspects of this service starting by diving into the cloud service hosting platforms SoftLayer and BlueMix and how they abstract the operation of IBM's data warehouse service from the consumption by users such as application developers or data analysis. Certain duties and operations that are traditionally performed by the database administrators on client side are now performed behind the scenes and contribute to the value that the service provides. The presentation will also show how application developers instantiate and use the warehouse service without much overhead, which allows them to focus in their actual task of developing the warehouse application. Special focus is given on advanced analytics workloads. We will show how a tight integration of the statistical language R into the overall service offering enables users to run even complex analytics efficiently close to the data in a cloud environment.

The presentation will be accompanied by live demonstration of all these capabilities.