Microsoft Azure Cloud: Big Data and Analytics

Get tangible and actionable insight into solving the most complex business problems using Azure **Big Data** technologies using **Azure HD Insight**. Get advanced Business Intelligence (with **Power BI**) and get a complete end to end predictive analytics solution with **Azure Machine Learning**.

Big Data with HD Insights

Azure HD Insight is a Hadoop service offering hosted in Azure that provides a software framework designed to manage, analyze, and report on big data with high reliability and availability

- Create managed Hadoop clusters
- Process big data
- Develop solutions using streaming or historical data
- Analyze the results
- Easily integrate on-premises Hadoop infrastructure.

Predictive Analysis with Machine Learning

Azure Machine Learning is a powerful cloud-based predictive analytics service that makes it possible to quickly create and deploy predictive models as analytics solutions.
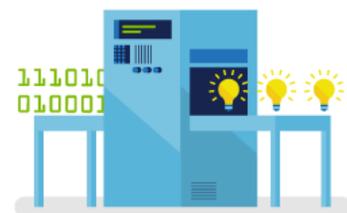
- Eliminate setup and infrastructure costs by not buying any hardware nor manually managing virtual machines
- Quickly create, test, operationalize, and manage predictive models.

Data Factory: Build value with legacy data

Many organizations are concerned about taking the plunge into big data world due to the disparity of existing legacy data. With the Azure Data Factory Service, easily ingest and transform and process data from multiple on-premise and cloud sources.

- Schedule, orchestrate and manage the data transformation and analysis process
- Transform raw data using data pipelines into finished or shaped data that is ready for consumption by BI tools
- Visualize, monitor and manage your entire network of data pipelines at a glance to identify issues and take action

Business Analytics Success with Power BI

Power BI is a Microsoft cloud-based business analytics service that gives you a unified view of your most critical business data. Monitor the health of your business using a live dashboard, create rich interactive reports with Power BI Desktop and access your data on the go with native Power BI Mobile apps.

- With Power BI on the web, monitor your important data from across your organization
- Get tools to transform, analyze, and visualize data.
- Share reports in seconds with your organization
- With SQL Server Analysis Services you can easily build robust, reusable models over your data to provide consistency across reporting and analysis in your organization.