

# Comprehensive Big Data Solution

To overcome the limits in big data analytics

# IRIS

A New Experience  
**In Big Data Analytics**

IRIS helps analysts resolve the various challenges facing in the process of big data analytics.



Hard to process big data in real time due to the high growth of data volume



Increase overall time for data analysis due to the repetitive non-analysis tasks, such as requesting development to programmers



Difficult in identifying rapid data distribution and in getting sample data from big data

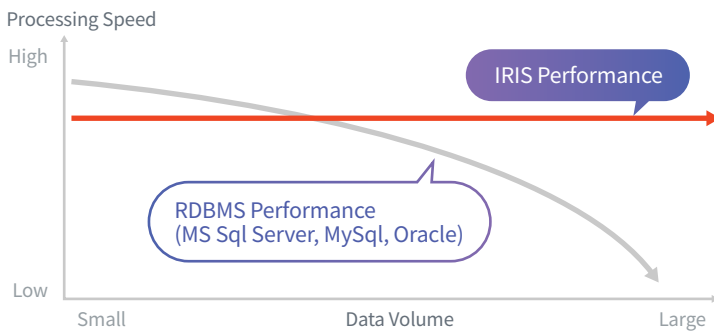


Restrict when analysts analyzes data using the existing analysis tools

mobigen

# Why IRIS ?

## Extreme Efficiency Scaled out to Petabytes



IRIS performance is stable even though data volume is increased.

### Volume

- Processes over 100 billion records per day

### Velocity

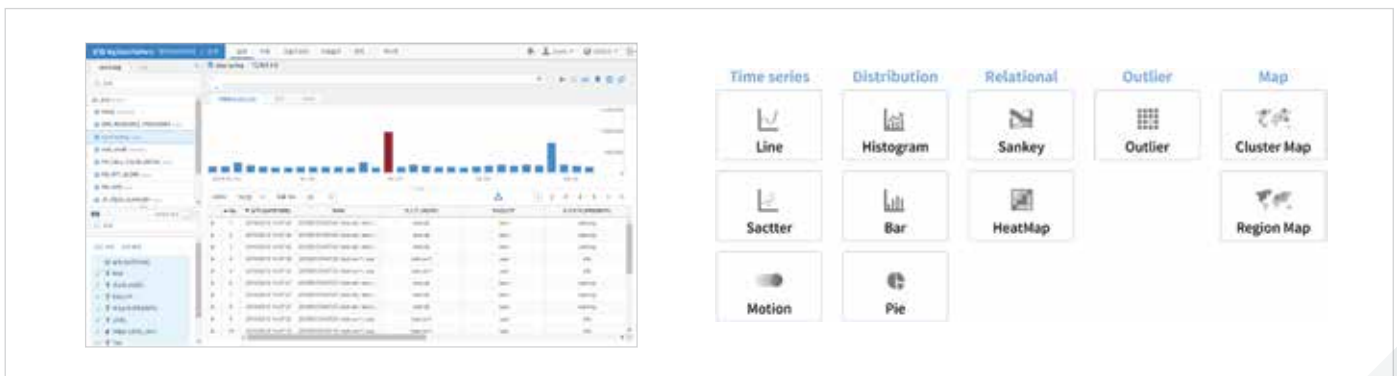
- Indexing over 5 million records per a second
- Full-text search over 3 million documents in seconds

### Variable

- Structured : SQL Search
- Unstructured :
  - Documents : Full-text Search
  - Map : Spatial Map Data Processing

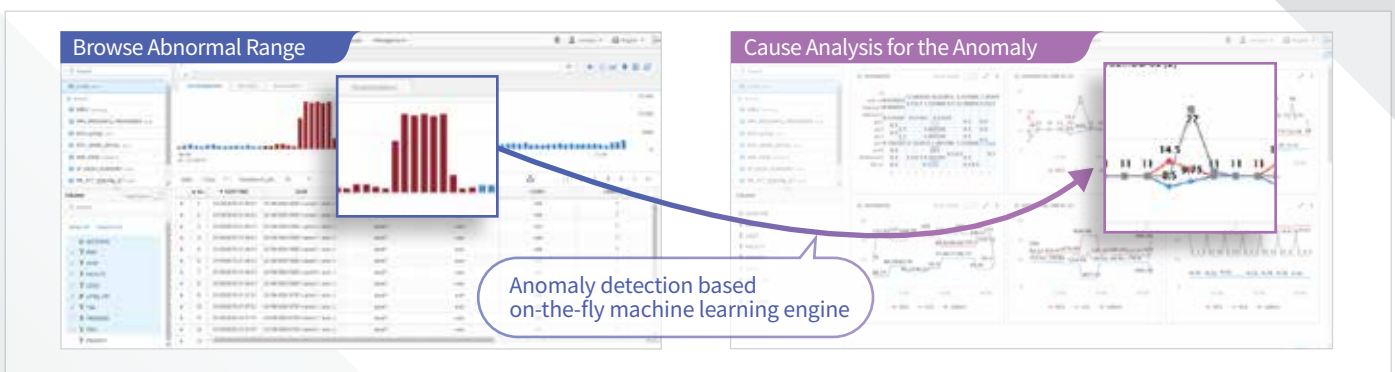
## Search and Visualization Directly over the Big Data

- IRIS enables ultra-fast visualization of source data and supports a variety of visualization charts according to the analysis purposes.
- IRIS Data Browser especially provides analysts with a capability to directly access raw data, search specific data, and understand data distribution without any help from developers quickly and easily.
- IRIS manages the analysis work flow seamlessly from query analysis to visualization.



## Anomaly Detection Based on Machine Learning

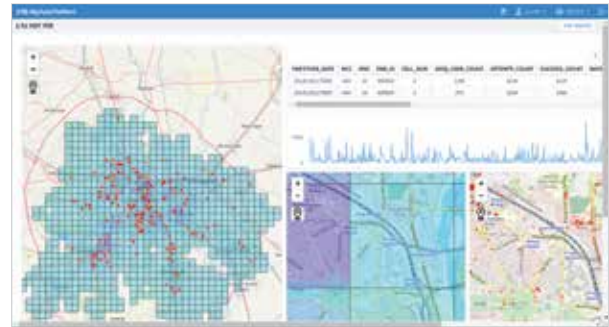
- IRIS provides on-the-fly anomaly detection over the selected region of data
- Spot the most abnormal case from the selected range of data by a few more clicks
- Compare current data with the previous reference period, whether they are within normal upper bound and lower bound.



## User-defined dashboard and reporting



IRIS provides users with an intuitive GUI for creating user-defined reports and configuring dashboards without the help of developers. Users can place tables and charts in different forms on a canvas, map relevant data, so that they can generate reports quickly and easily.



IRIS has a built-in spatial query engine for spatial big data processing and, in combination with the GIS engine, provides the ability to display various data at different layers.

## Tightly combined with a variety of advanced analytic tools

IRIS provides analysts with the data flow environment between IRIS and a variety of advanced analytic tools. With IRIS, analysts can do in-depth analysis by moving data sampled from IRIS Data Browser to various analysis tools preferred by analysts.



## A Unique Big Data Analysis Process based on IRIS

### 01 Big data storage

- Collects, preprocesses, stores and indexes big data at once

### 02 Big data discovery

- IRIS's Data Browser, a visualization tool, helps analysts easily and quickly navigate and understand big data.
- Provides a data sampling capability for in-depth analysis modeling of big data

### 03 Advanced analytics & ML-based modeling

- Supports advanced analytics and machine learning-based modeling through various analysis tools for the sample data

### 04 Workflow automation

- Enforces automated workflow to live stream data with analytical business process definition

### 05 Information sharing

- Shares analysis results via dashboard

# End-to-End Big Data Service

Mobigen provides one-stop service for corporate customers to perform their big data tasks smoothly.



**mobigen**

HQ C-16th Floor, 128, Beobwon-ro, Songpa-gu, Seoul, Republic of Korea, 05854

TEL +82-2-538-9360 FAX +82-2-538-9369

Email [global@mobigen.com](mailto:global@mobigen.com)



[www.mobigen.com](http://www.mobigen.com)