

# Analytics



## Key concepts and definitions

<b>Automated data refinement</b>	Patent technology that automates the process of creating a robust dimensional model and semantic layer
<b>Networked BI</b>	Patented technology that brings both centralized and decentralized data together to provide governed data in an agile environment
<b>Semantic layer</b>	A business representation of complex company data for end user consumption
<b>Orchestration</b>	Provides a module to create and manage workflows for data extraction, processing, and space operations.
<b>Enterprise space</b>	Enable complex, scalable data management with dimension data models
<b>Professional space</b>	Relational data model with low code, now code self-service data preparation
<b>BQL</b>	A proprietary logical query language for defining expressions.
<b>ETL</b>	Extract, transform, and load. A process in database usage and especially in data warehousing that involves extracting data from outside sources, transforming it to fit operational needs, and loading it into the target database or user data store (warehouse).



## Components

<b>Birst Cloud agent</b>	Lightweight cloud managed Java application that enables you to make connections to sources behind your organizations firewall
<b>Live access</b>	An application, accessed from Birst Connect, that allows you to analyze on-premise data and enjoy the benefits of advanced analysis and reporting without having to upload data into the Birst Cloud.
<b>Modeler</b>	ETL tool to connect, prepare and relate data
<b>Designer</b>	Create ad hoc and pixel-perfect reports and charts which can be printed, scheduled, and exported to other formats
<b>Visualizer</b>	Create ad hoc data visualizations with 20+ different graph types that can be saved and added to dashboards
<b>Dashboards</b>	Web page that displays pre-defined reports or key performance indicators in one or more panels (dashlets).

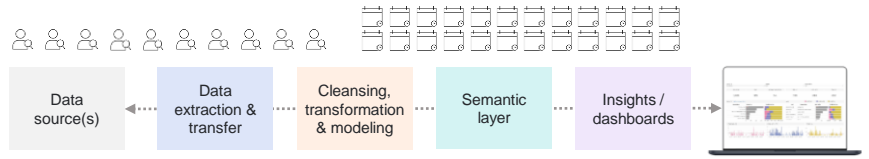


## Architecture process

Function	Components
Provision	Connect data
Prepare	Modeler, ADR, networked BI, relate, live access, data storage
Present	Designer, visualizer, dashboards, KPI's, mobile

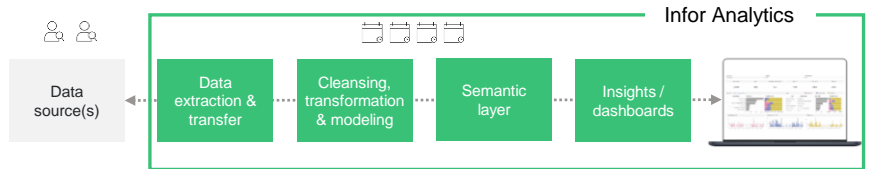
## Use Cases and Considerations

- Strategic reporting
- Multiple data sources
- Historical and time-series analysis
- Visual self-service discovery
- Drill-downs and in-context analysis

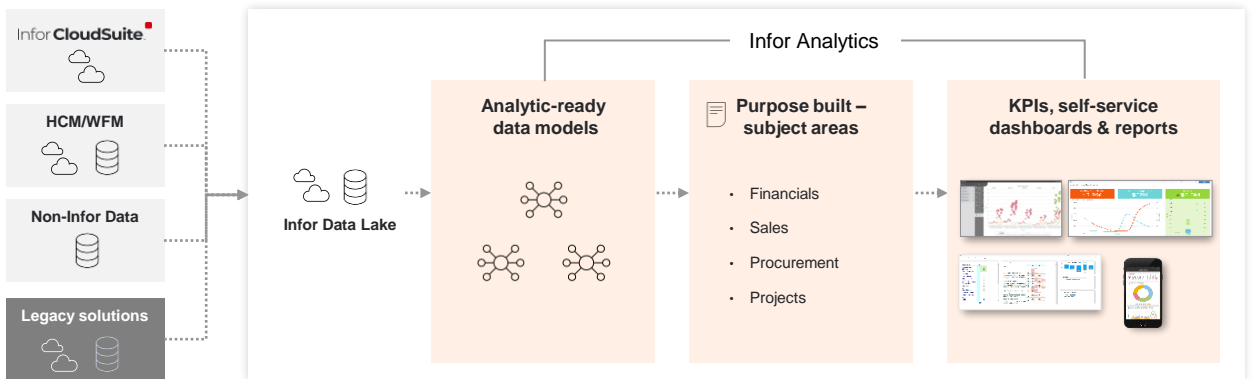


Vs

- Full analytics platform
- Lower TCO
- Faster time to value
- Embedded within the CloudSuite



## Architecture



## Resources

Product Overview	YouTube	Documentation	Education	Dev Portal	User Community