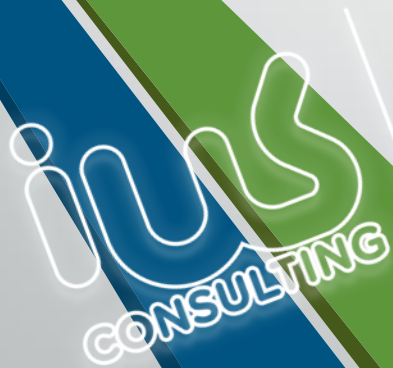




# GRUPPO DI LAVORO BIG DATA CDTI

## Big Data Lake: related technologies



Innovate. Work. Succeed.

Marzo 2018

# Gruppo di Lavoro - CDTI

## Pronti via... AGENDA

- Obiettivi
- Sessione tecnica: il Big Data Lake e alcune tra le tecnologie più utilizzate



24 anni come:

- Atos Origin (PM),
- Oracle (Sales manager),
- Siav (Sales Director),
- EMC2 (Sales Director)
- Geniusbytes (BU Director)

...

Ora DG di IWS Consulting Srl

# Agenda



- Big Data lake: related technologies
- Wrap up

Innovate Work Succeed.  
CONSULTING

**Business Knowledge  
Methodology,  
Architectures**

**Methodologies:**  
Agile, DevOps, Analytics, Data warehouse, Crisp DM etc.

**Processes**

**Business Process Management & Rapid Application Development**

**Application**

**Custom or market operational and analytical applications**

**Metadata /hot data**

Sql/NoSql  
Database

Scale out  
node

Scale out  
node

**File system /Hadoop**

File System

Hadoop node

Hadoop node

**It's not matter only of simply using a specific technology.**

## Adding unstructured and third platform data

Traditional scale up relational databases



Apps/ packaged applications



Sensors, Internet of things, web logs



Location data, xml, etc



Social Data



Images, video, etc.



### Complete Ingestion

### ELT your data (mainly batch)

### Organize Data Streaming (message queuing, streaming events, web services)

### Data Warehouse

### 1° Level

### Star Schema



### Olap Gauge and Reporting



### New Generation of Applications

### Analytical apps

### Operational apps

### Govern technical and business processes

### Data Lake, Data exploration, Data Sandbox

### Operational tasks, app layer, cep, master data

### Hadoop



### Machine Learning

### Analytics

### NoSql, In Memory

### Realtime scoring/ Prediction scoring



## Managing a New World on Data Approach.

## From Data warehouse to Lambda architecture and Big Data Lake

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