

# YAHONT-BI

## VARIANTS OF APPLYING INTELLECTUAL ETL-DATA PROCESSING SOLUTIONS:

- OSS-platform<sup>2</sup> of the control of the correctness of operator's main informational systems work;
- Centralized shared corporate BI-system<sup>3</sup>;
- Personal turnkey solutions for concrete connected systems and types of data processed;
- Processing of files keeping information about user's actions, system events and also commutation equipment errors.

## ADDITIONAL POSSIBILITIES "YAHONT-BI":

- Clearing and normalization (canonization) of CDR-data (E.164, ENUM). Maximum use of contemporary CPU possibilities;
- Shared use with OSS/BSS-systems<sup>4</sup> (Prepaid, Online, Postpaid billing systems, Revenue Assurance) for processing of the information about calls on different data bases in real time;
- Centralized management and monitoring of all flows of coming and processed data. Detecting of errors in the work of commutation equipment and OSS/BSS systems;
- Adapters of connection to different DBMS and file storages;
- Users' libraries of data processing scripts;
- Processing of up to 0.5 — 1 Tb/h of the basic data on one computing server depending on data processing scheme.

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1. ETL-platform (Extract, Transform, Load): platform, managing data storages, including the following functions:

- data extraction from external sources;
- transformation and data cleansing coordinating with business model needs;
- loading of the obtained result in the data storage.

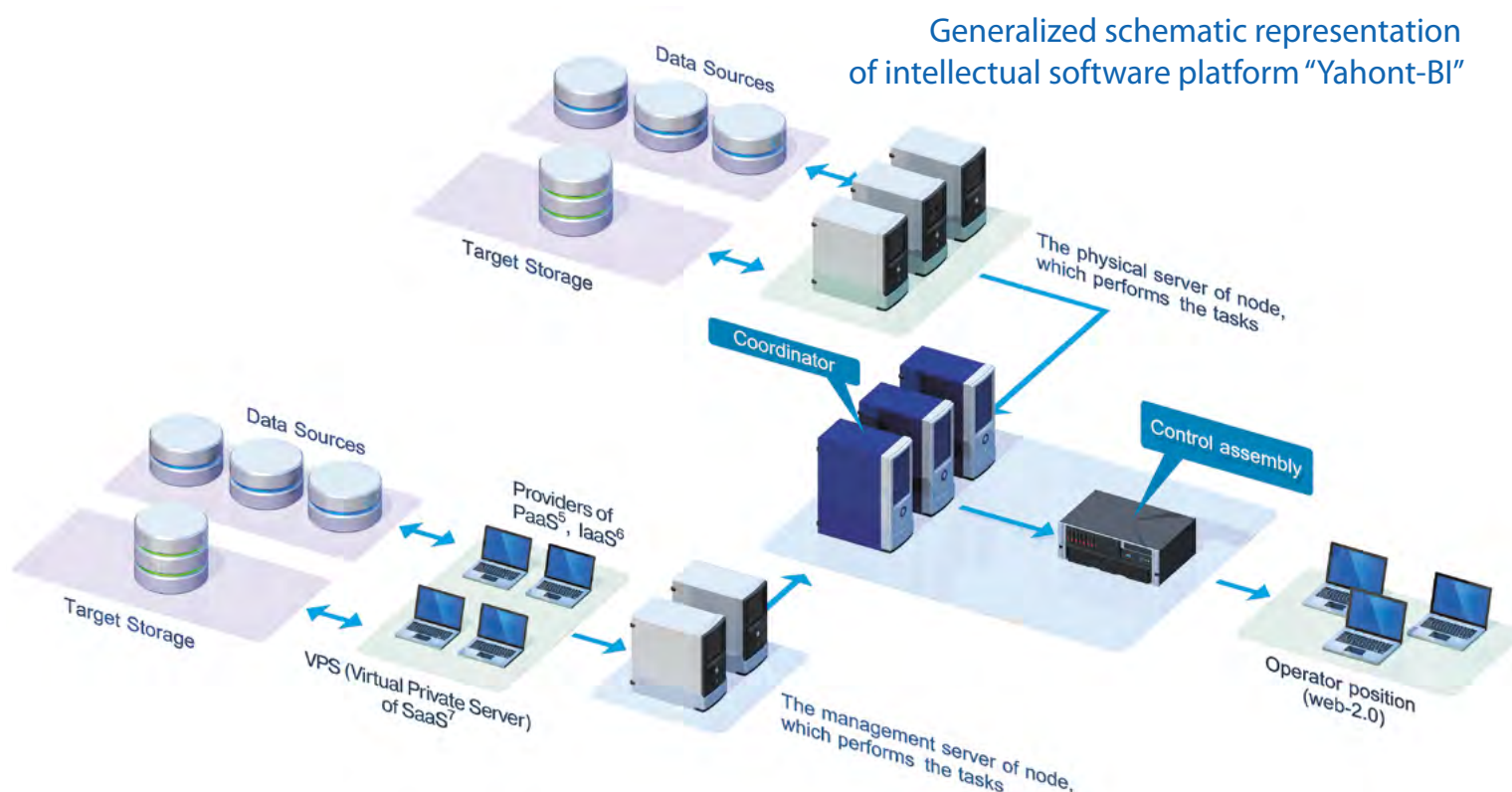
2. OSS (Operation Support System): System of operations support.

3. BI (Business Intelligence)-platform: software realizing methods and tools for forming informative reports for making administrative decisions, tools that are used for transformation, storage, analysis, modeling, delivery and tracing of the information during the work on tasks concerned with making the decisions on the basis of the actual data. This software includes the tools of integration and data cleansing (ETL), analytical data storages and Data Mining means, BI-technologies allows to analyze large volumes of information, drawing special attention of the users on key factors of effectiveness, modeling the outcome of different variants of actions and monitoring the results of making these or that decisions.

4. BSS (Business Support System): The system of business support.

## MAIN CONSTRUCTION PECULIARITIES:

- Special server cross platform ETL engine using all possibilities of multi-core processors and multiprocessor servers;
- Parallel processing of data body on different servers at the same time;
- The flexible structure organization of connected computing powers (coordinators, control nodes) for distribution of processing tasks;
- The user connects to computing resources through thin WEB-2.0 client that offers possibilities on:
  - Interactive constructing of the schemes on data collection, cleaning, normalization and loading;
  - Forming of the computing resources structure, dynamic connection of additional powers;
  - Planning of formed ETL-tasks accomplishment on connected computing powers.



5. PaaS (Platform as a Service): the model of cloud computings granting when the user gets access to using operating systems, systems of data storages management, linking software, means of development and testing based at cloud provider.

6. IaaS (Infrastructure as a Service): possibility of using cloud infrastructure for independent management of the resources of processing, storage, networks, installation and running of operating system, platform and application software.

7. SaaS (Software as a Service): a business model of selling and use of the software when a provider develops a web application and manages it independently, giving the customer the Internet access to the software.