Microsoft BI Skills — Standard BI Arctitecture

Microsoft BI Platform
competences/tools

Publish to BI portal
(to access/view reports on intranet or BI portal)
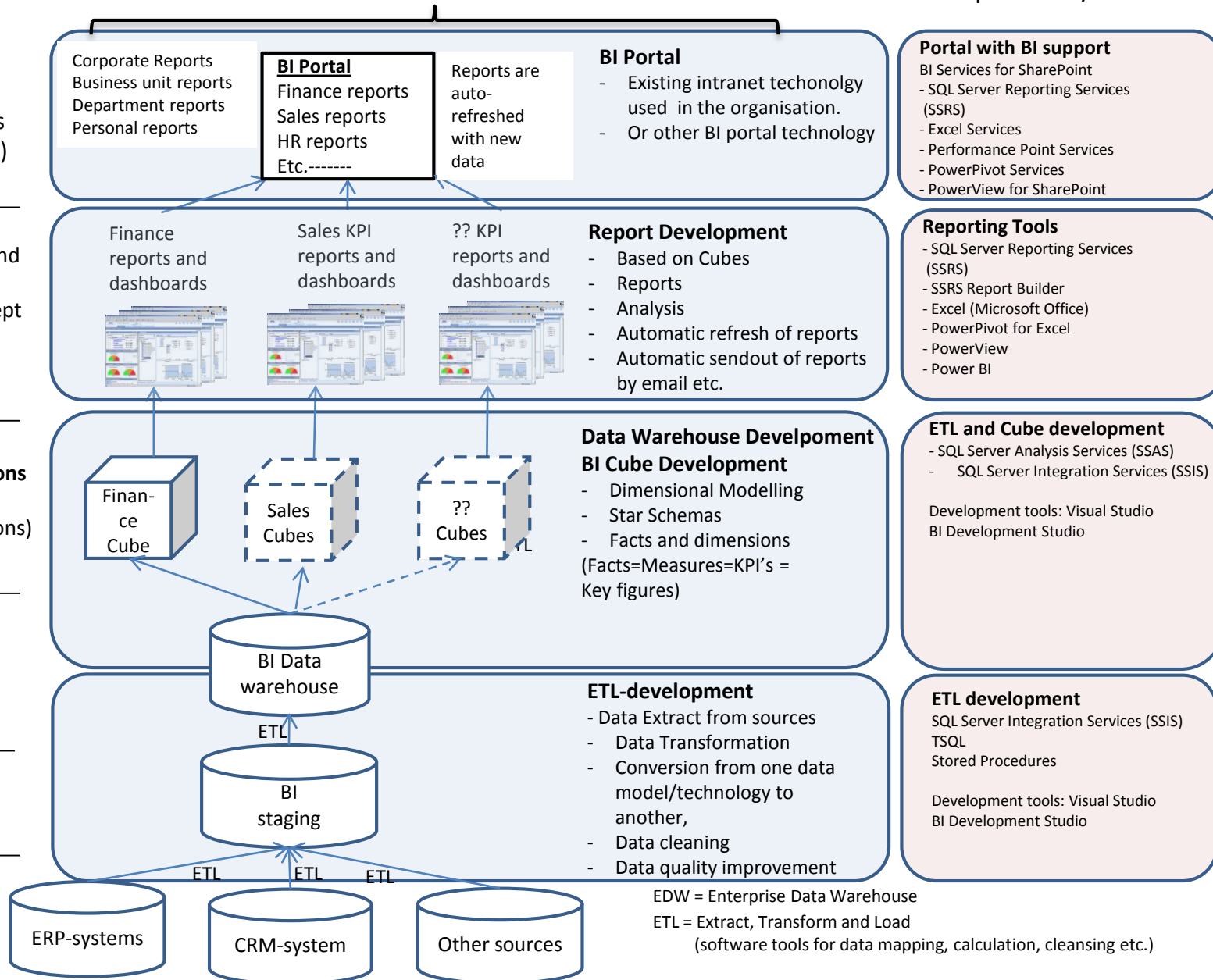*BI front-end*

BI Reports and Analysis
(with different BI Front-End tools)
no calculations and concept definitions in reports
as they are in the cubes.
BI front-end

BI application
specific concept definitions
and calculation rules
(KPI's, facts and dimensions)
BI Back-end

Company wide
concept definitions
and calculation rules
(KPI's, facts, dimensions)
BI Back-end

Copy of source systems
Updated every day or hour or realtime

Source systems

Corporate Reports
Business unit reports
Department reports
Personal reports

BI Portal
Finance reports
Sales reports
HR reports
Etc.-------

Reports are auto-refreshed with new data

BI Portal
- Existing intranet techonolgy used in the organisation.
- Or other BI portal technology

Portal with BI support
BI Services for SharePoint
- SQL Server Reporting Services (SSRS)
- Excel Services
- Performance Point Services
- PowerPivot Services
- PowerView for SharePoint

Finance reports and dashboards

Sales KPI reports and dashboards

?? KPI reports and dashboards

Report Development
- Based on Cubes
- Reports
- Analysis
- Automatic refresh of reports
- Automatic sendout of reports by email etc.

Reporting Tools
- SQL Server Reporting Services (SSRS)
- SSRS Report Builder
- Excel (Microsoft Office)
- PowerPivot for Excel
- PowerView
- Power BI

Finance Cube

Sales Cubes

?? Cubes

Data Warehouse Develpoment
BI Cube Development
- Dimensional Modelling
- Star Schemas
- Facts and dimensions
(Facts=Measures=KPI's = Key figures)

ETL and Cube development
- SQL Server Analysis Services (SSAS)
- SQL Server Integration Services (SSIS)

Development tools: Visual Studio
BI Development Studio

BI Data warehouse

ETL

BI staging

ETL-development
- Data Extract from sources
- Data Transformation
- Conversion from one data model/technology to another,
- Data cleaning
- Data quality improvement

ETL development
SQL Server Integration Services (SSIS)
TSQL
Stored Procedures

Development tools: Visual Studio
BI Development Studio

ETL   ETL   ETL

ERP-systems

CRM-system

Other sources

EDW = Enterprise Data Warehouse
ETL = Extract, Transform and Load
(software tools for data mapping, calculation, cleansing etc.)

SAP BI Skills

SAP BI Platform
competences/tools

Publish to BI portal
(to access/view reports
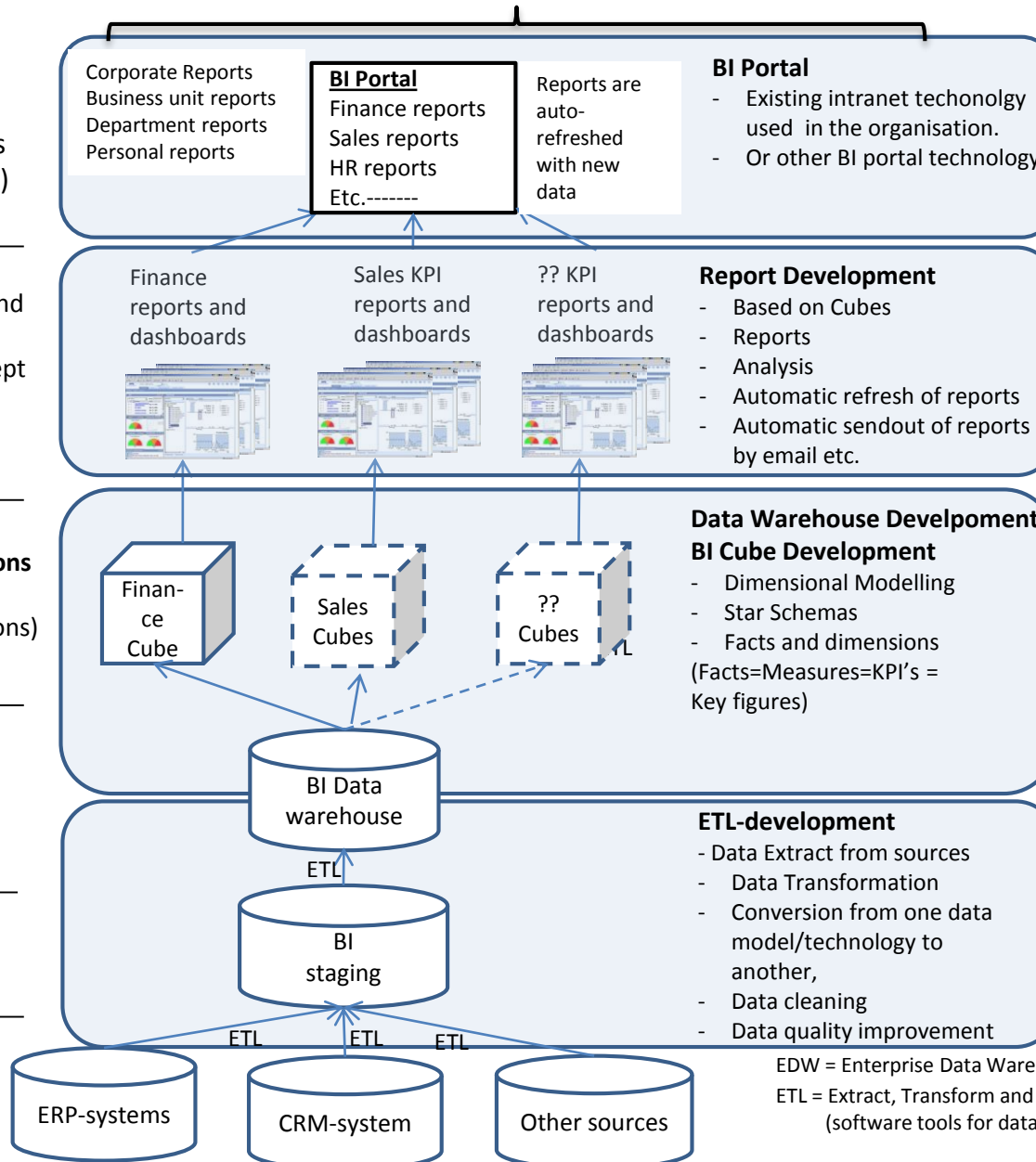on intranet or BI portal)
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BI Portal
- Existing intranet techonolgy
  used in the organisation.
- Or other BI portal technology

Portal with BI support
SAP NetWeaver portal

And/or existing Intranet technology used in
the compnay or

Finance
reports and
dashboards

Sales KPI
reports and
dashboards

?? KPI
reports and
dashboards

Report Development
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  by email etc.

Reporting Tools
- SAP Business Objects
- SAP Web Reports
- BEX Analyser
- SAP Workbooks

Finan-ce
Cube

Sales
Cubes

??
Cubes

Data Warehouse Develpoment
BI Cube Development
- Dimensional Modelling
- Star Schemas
- Facts and dimensions
(Facts=Measures=KPI's =
Key figures)

ETL and Cube development
- SAP DS (Data Services)
- SAP Business Objects (BO) Data Integrator
- SAP BW
- SAP BW on HANA

Development of SAP
- info providers
- multi-providers
- data providers
- queries

BI Data
warehouse

ETL

BI
staging

ETL-development
- Data Extract from sources
- Data Transformation
- Conversion from one data
  model/technology to
  another,
- Data cleaning
- Data quality improvement

ETL development
Same as above

Building SAP Staging, SAP DSO's (Data
Store Objects) and SAP Datawarehouses,
info-providers etc.

ETL   ETL   ETL

ERP-systems   CRM-system   Other sources

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