SAP BusinessObjects BI platform 4.1 Architecture

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Client Applications

BI Analytics

Desktop Clients
- Crystal Reports 2011
- Crystal Reports Viewer 2011
- Crystal Reports for Enterprise
- Dashboards
- Query as a Web Service
- Web Intelligence
- Widgets

Mobile
- Mobile
- Experience
- Explorer

Web Clients
- BI Launch Pad
- Explorer
- BI Workspace — Modules
- Analysis, edition for OLAP
- Web Intelligence

Plugins
- Analysis, edition for MS Office (Excel...)
- Live Office (MS Office add-in)

Semantic layer and System Administration

Tools
- Data Federation Administration
- Multitenancy Management
- Report Conversion
- Repository Diagnostics
- Translation Management
- Upgrade Management
- WDeploy
- CCM - Central Configuration Manager

Web Clients
- CMC - Central Management Console
- Mobile Application Server

Desktop Tools
- Business View Manager
- Information Design Tool (UNX)
- Universe Design Tool (UNV)

WEB CLIENT

HTTP

SOAP

SAP BusinessObjects BI platform infrastructure

Web

HTTP

Web - Static
- Web Server

WEB CLIENT

Web - Applications
- Web Application Server (Java)
- Web Application Container Server (WACS)
- Web Applications
- Web Services (+SOAP)

SOAP

Management

Management Servers
- Central Management Server
- Event Server
- Explorer Master Server
- Server Intelligence Agent

File Storage

Storage servers
- Crystal Reports Cache
- Input File Repository
- Output File Repository
- Dashboards Cache

Processing Servers

Explorer Servers
- Exploration
- Indexing
- Search

Crystal Reports Servers
- 2011 Processing
- 2011 Report Application
- Processing

Connection Servers
- Connection
- Connection 32

Web Intelligence Servers
- Processing

Dashboards Servers
- Processing

Adaptive Servers
- Adaptive Job Server
- Adaptive Processing

Reporting Databases

- C — Cubes
  - SAP Business Warehouse
  - OLAP
  - Business Views
  - SAP Business Explorer queries
- VXB — Semantic Layer
  - BICS
  - UNV
  - UNX
  - Universes
- D — DB General
  - Flat Files
  - Hadoop
  - SAP HANA
  - RELATIONAL
  - SAP ERP

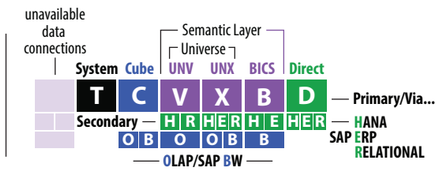
System Databases

- CMS system database
- Auditing Data Store
- Monitoring database
- Lifecycle Management database

Legend

- D — Direct access to reporting databases
- VXB — Via Universe to reporting databases
- C — Via OLAP or BW Cubes - semantic layer
- T — Direct access to system databases
- Via 3-tier architecture (using HTTP)
- Via web services (Using SOAP)
- Web applications
- SAP BusinesObjects BI platform infrastructure 4.1

Database connections supported by SAP product
17 possible connection types



Legend

- Semantic Layer
- System Databases
- Databases
- Full Client
- Full Client Administration Tool
- Semantic Layer Design Tool
- Web Client
- Web Client Administration Tool
- Mobile Client

Database Access
- Secondary access via...
- ...Primary direct access bus
- Database bus