# APOS IDAC – Technical Specifications

The multi-threaded Intelligent Data Access Controller (IDAC) logs BI query metadata to achieve tight integration between SAP BusinessObjects and numerous datasources. IDAC lets you know who is doing what, where and when. You can actively monitor queries and cancel them remotely. You can set up automatic monitoring and query cancellation based on thresholds.

Enterprises using high-end data solutions such as Teradata can use IDAC to leverage solution-specific features such as Geospatial and Temporal data types and functions, and automatic query banding, and realize the full benefits of their data solution with SAP BusinessObjects.
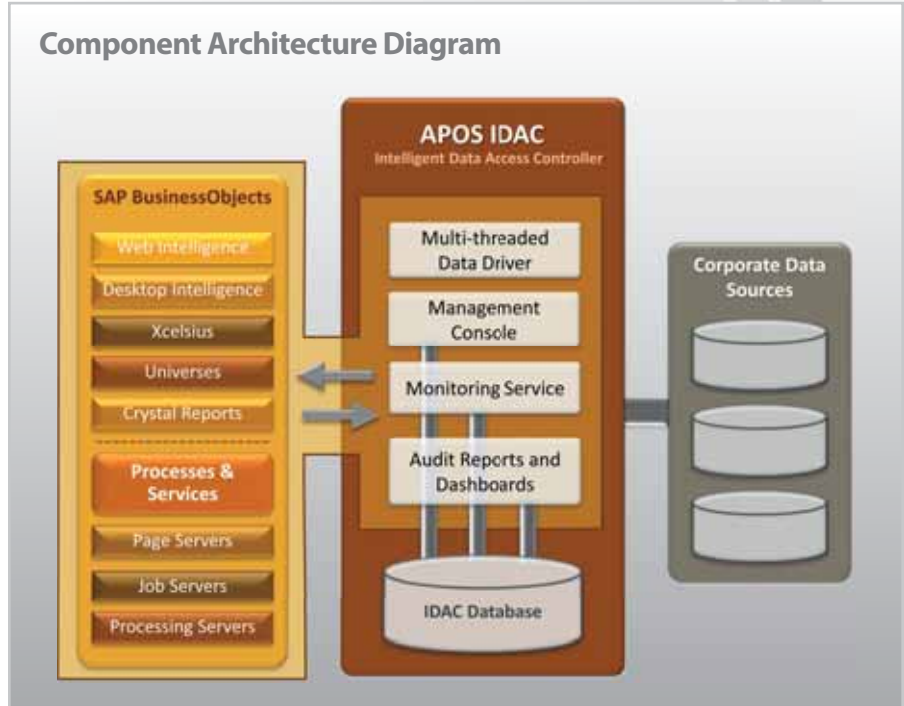
## IDAC Solution Components

- IDAC Data Manifold – multi-threaded, high performance, JDBC or ODBC connectivity
- IDAC Database – logging, auditing and cancelling
- Monitoring Service – automatic query monitoring, cancelling when thresholds exceeded
- Management Console – real-time query intervention, remote cancellation
- Reports & dashboards

## Logging

IDAC logs the following information for monitoring and auditing purposes:

- OS user ID
- Machine IP Address
- DB query process time
- Query read time by application
- Query text
- Database Product Name
- Database Product Version
- Process ID
- Process Name
- Parent Process ID
- Parent Process Name
- BOE user ID
- Report / Document Name
- Universe Name
- Universe ID
- and more...



**Component Architecture Diagram**

## Monitoring, Alerts, Automatic Query Cancelling

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|---|---|
| **Cancel Requests** | Manually send a cancel request to cancel the execution of a query, or configure IDAC to cancel automatically based on specific properties. Trigger email alerts. |
| **Property File Encryption** | All properties are encrypted and password protected by the administrator. The administrator can provide multiple property files to developers for Crystal Reports or Universe development. Developers' query execution can be limited by size and length of time. |
| **Banding Statement** | Configure the data to include in banding statements. |
| **Temporal & Geospatial Data Types** | Converts data to text automatically and formatted according to the field setup in the database. Execute temporal functions in the 'Where' clause through a special mechanism. |