DIRAC is made out of collaborating Systems, each of which provides a well defined functionality.

**Breakdown of a DIRAC instance into Systems**

Each DIRAC System consists of:

- **Services:**
  - provide access to the System via well defined interfaces.
  - insert or query data in the Database.

- **Agents:**
  - implement the functionality of the System.
  - query, process and update data in the Database.

- **Databases:**
  - persists the System state and any information required by Services and Agents.

- **Client Interfaces:**
  - scripts, web pages, CLI...
  - allow the user to interact with the System Services.

**Example of a DIRAC System**

DIRAC consists of:

- **Agents and Services**
  - Job Receiver
  - Job Matcher
  - Optimizer
  - Job DB
  - Sandbox DB
  - Job Monitor
  - Configuration
  - Logging
  - Monitoring

**Workload Management System**

- Receiver
- Sandbox Server
- Matcher
- JobState Server
- Director
- Monitor
- Stager
- Cleaner
- Optimize

**Data Management System**

- Accounting
- Bookkeeping
- Workload Management
- Data Management
- Production Management
- Request Management

**Configuration/Logging/Monitoring System**

- Job
- Job Monitor
- Database

**Framework**

- DISET Query
- DISET Response
- Internal Query
- Internal Response
- External Query/Response

**DIRAC Core**

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