

Components and Services Overview

The following diagram presents a high-level overview of the components and services in the Trifacta® platform.

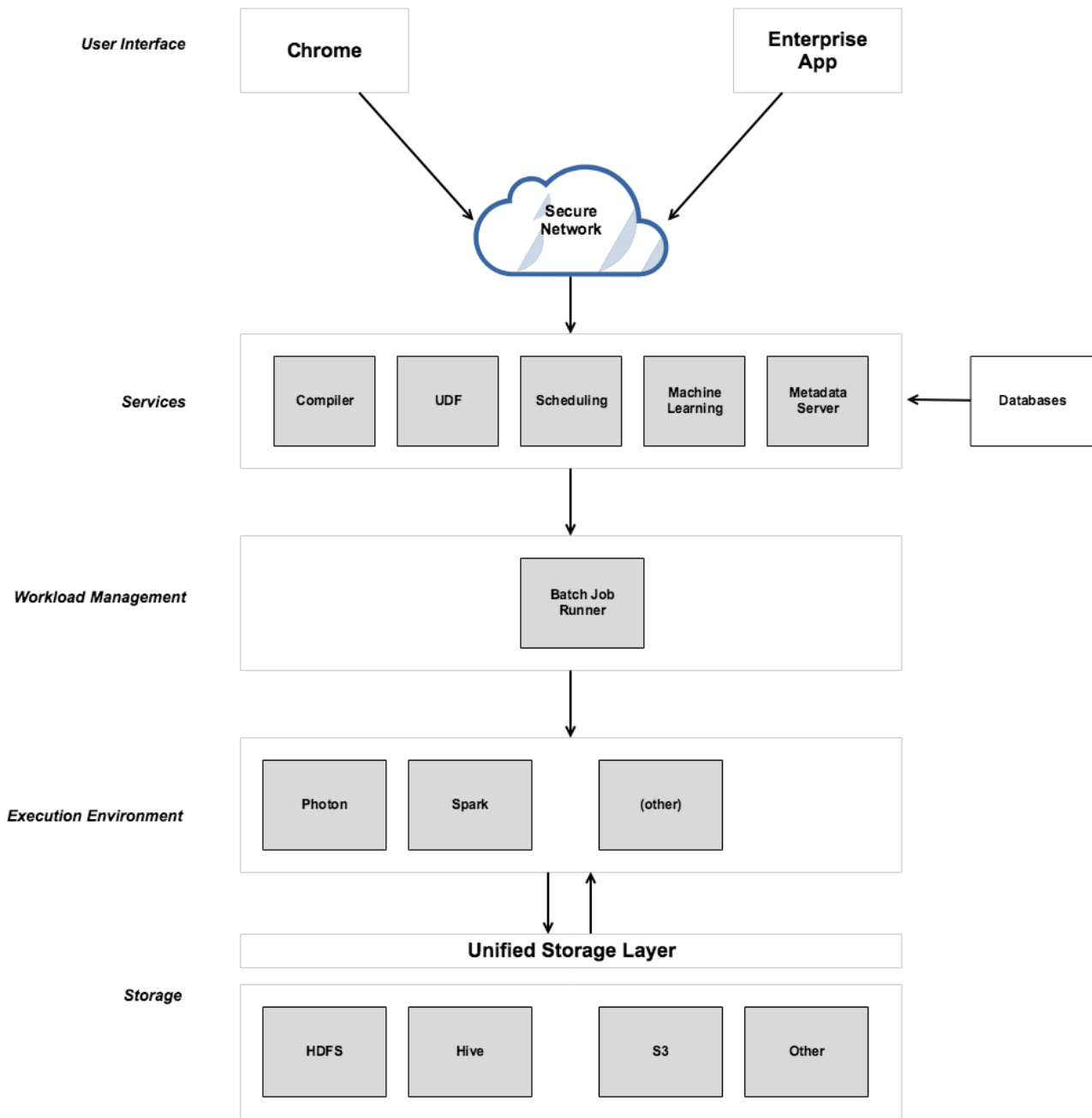


Figure: Platform Components and Services

- **User Interface:** Depending on the product, users interact through one of the available interfaces through a secure connection with the platform.
- **Trifacta Services:** The following services interact with flow and dataset metadata in the Trifacta database, a proprietary database.
 - **Compiler:** The Wrangle compiler renders the steps created or selected by the user into a sequence of commands that can be executed against the specified target. See *Wrangle Execution Layers*.

- **UDF:** As needed, developers can create user-defined functions (UDFs), which can be made available to end-users through the UI. For more information, see *User-Defined Functions*.
- **Scheduling:** The Scheduling service enables management of asynchronous execution of jobs on a cron-based schedule. For more information, see *Overview of Scheduling*.
- **Machine Learning:** The executed Wrangle recipes are analyzed for patterns, which provide more focused recommendations to end-users in the environment.
- **Metadata Server:** This server manages the read/write operations of the Trifacta database.
- **Workload Management:** This layer, which includes job execution and monitoring functions, is managed by Batch Job Runner, a proprietary service of the Trifacta platform.
- **Execution Environment:** The Trifacta platform can execute Wrangle recipes through a variety of running environments.
- **Storage:** The unified storage layer provides brokerage services for read/write operations against HDFS, Hive, S3, and other clustered storage.