

# DOS Operations Console

Create and optimize ETL jobs, gain visibility into ETL processes, and use advanced diagnostics to proactively resolve problems

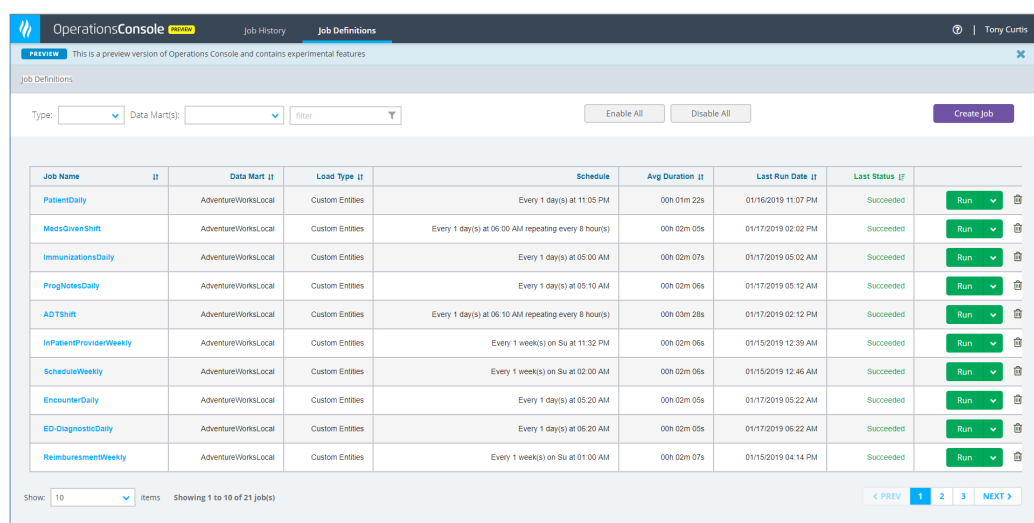


**Type:** Software Application

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The **DOS Operations Console** is a web-based ETL management dashboard for data warehouse managers and data engineers to configure and schedule jobs, load data into DOS, and monitor its health.



Job Name	Data Mart	Load Type	Schedule	Avg Duration	Last Run Date	Last Status	
PatientDaily	AdventureWorksLocal	Custom Entities	Every 1 day(s) at 11:05 PM	00h 01m 22s	01/16/2019 11:07 PM	Succeeded	Run
MedsGivenShift	AdventureWorksLocal	Custom Entities	Every 1 day(s) at 06:00 AM repeating every 8 hour(s)	00h 02m 05s	01/17/2019 02:02 PM	Succeeded	Run
ImmunizationsDaily	AdventureWorksLocal	Custom Entities	Every 1 day(s) at 05:00 AM	00h 02m 07s	01/17/2019 05:02 AM	Succeeded	Run
ProgNotesDaily	AdventureWorksLocal	Custom Entities	Every 1 day(s) at 05:10 AM	00h 02m 06s	01/17/2019 05:12 AM	Succeeded	Run
ADTShift	AdventureWorksLocal	Custom Entities	Every 1 day(s) at 06:10 AM repeating every 8 hour(s)	00h 03m 28s	01/17/2019 02:12 PM	Succeeded	Run
InPatientProviderWeekly	AdventureWorksLocal	Custom Entities	Every 1 week(s) on Su at 11:32 PM	00h 02m 06s	01/15/2019 12:39 AM	Succeeded	Run
ScheduleWeekly	AdventureWorksLocal	Custom Entities	Every 1 week(s) on Su at 02:00 AM	00h 02m 06s	01/15/2019 12:46 AM	Succeeded	Run
EncounterDaily	AdventureWorksLocal	Custom Entities	Every 1 day(s) at 05:20 AM	00h 02m 05s	01/17/2019 05:22 AM	Succeeded	Run
ED-DiagnosticDaily	AdventureWorksLocal	Custom Entities	Every 1 day(s) at 06:20 AM	00h 02m 05s	01/17/2019 06:22 AM	Succeeded	Run
ReimbursementWeekly	AdventureWorksLocal	Custom Entities	Every 1 week(s) on Su at 01:00 AM	00h 02m 07s	01/15/2019 04:14 PM	Succeeded	Run

## Intended Users

- EDW Manager
- Data Engineer
- Clinical Data Analyst
- Quality Data Analyst

## Potential data sources

- Metadata database

## Key measures

- Total rows processed
- Processing duration
- Load success rate

## Success stories

For examples of how customers have used Health Catalyst products and services to improve outcomes, see our [success stories at healthcatalyst.com](https://www.healthcatalyst.com/success-stories)

## The problem

To optimize data loads and ensure they complete in a timely manner, data warehouse managers and data engineers need an efficient, intuitive tool to easily and quickly configure jobs, monitor their progress, and identify hotspots of trouble. When malfunctions and errors arise, they need to know exactly where to take corrective actions.

Without a central dashboard, EDW managers can't fully optimize operations.

## Our approach

DOS Operations Console's flexible scheduling engine lets data warehouse managers and data engineers create jobs that load data the way they choose. Highly configurable job definitions allow users to select which tables to load, choose how to validate the load, and opt to send notifications on the status of the load.

Highly configurable job definitions offer options such as selecting from a list which tables to load, choosing how to validate the load, and opting when or if to send notifications on the status of the load. In addition, a clean, easy-to-use UI enables sorting, filtering, and searching current jobs that are running, and quickly identifies loading issues.

Through event-driven execution, users can delay processing until prerequisites are fulfilled and specify an amount of time to wait for prerequisites to resolve. They can also dictate that an action is performed on timeout and configure notifications to be sent. Additionally, the console updates to show the prerequisite information so that a user can see what entities an entity is waiting on.

## Benefits and features

- **Easily configure and optimize batches with user-friendly display of** sources brought into DOS, batch definitions for each source system, and package listings that allow drill-down to discover impediments.
- **Efficiently execute and monitor ETL tasks with batch scheduling capabilities,** ETL task launching and relaunching and status checking.
- **Gain visibility into the health of DOS with display of** batch and table load history, detailed logging for tables, and error messages when loads fail.
- **Work within a clean, intuitive UI** to sort, filter, and search jobs currently running in the data warehouse and drill into historic data for signs of loading impediments.

## Use cases

- An **EDW Manager** orchestrates data loads, setting frequencies and dependencies, sets up efficient loads with refreshed data, and validates data quality.
- A **Data Engineer** investigates failure notifications and slow-running jobs, determines root causes, and takes corrective action.
- A **Clinical/Quality Data Analyst** schedules jobs, validates data quality and freshness, sets up notifications, and ensures timely data delivery.

## Contact us

For more information on how Health Catalyst products and services can help your organization, please contact us:

- Reach out to your sales representative
- Call us at (855) 309-6800
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