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Efficient Health Check and Automated Log Analysis with Assurance Service

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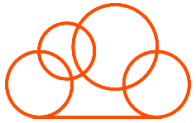
Where data & AI come to LIFE

Housekeeping Tips

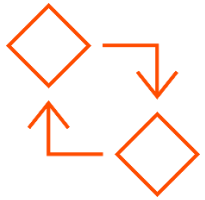
- Today's Webinar is scheduled for 1 hour
- The session will include a webcast and then your questions will be answered live at the end of the presentation
- All dial-in participants will be muted to enable the speakers to present without interruption
- Questions can be submitted to "All Panelists" via the Q&A option and we will respond at the end of the presentation
- The webinar is being recorded and will be available on our Success Portal - where you can download the slide deck for the presentation. The link to the recording will be emailed as well.
- Please take time to complete the post-webinar survey and provide your feedback and suggestions for upcoming topics.

Feature Rich Success Portal



Bootstrap trial and POC Customers

Enriched Customer Onboarding experience

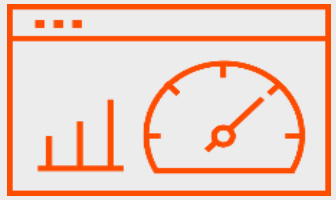


Product Learning Paths and Weekly Expert Sessions

Informatica Concierge

Tailored training and content recommendations

More Information



Success Portal

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Safe Harbor

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Statements made today are based on currently available information, which is subject to change. Such statements should not be relied upon as a representation, warranty or commitment to deliver specific products or functionality in the future.

Agenda

1. Introduction to Log Analyzer
2. Log Analysis
3. Health Check

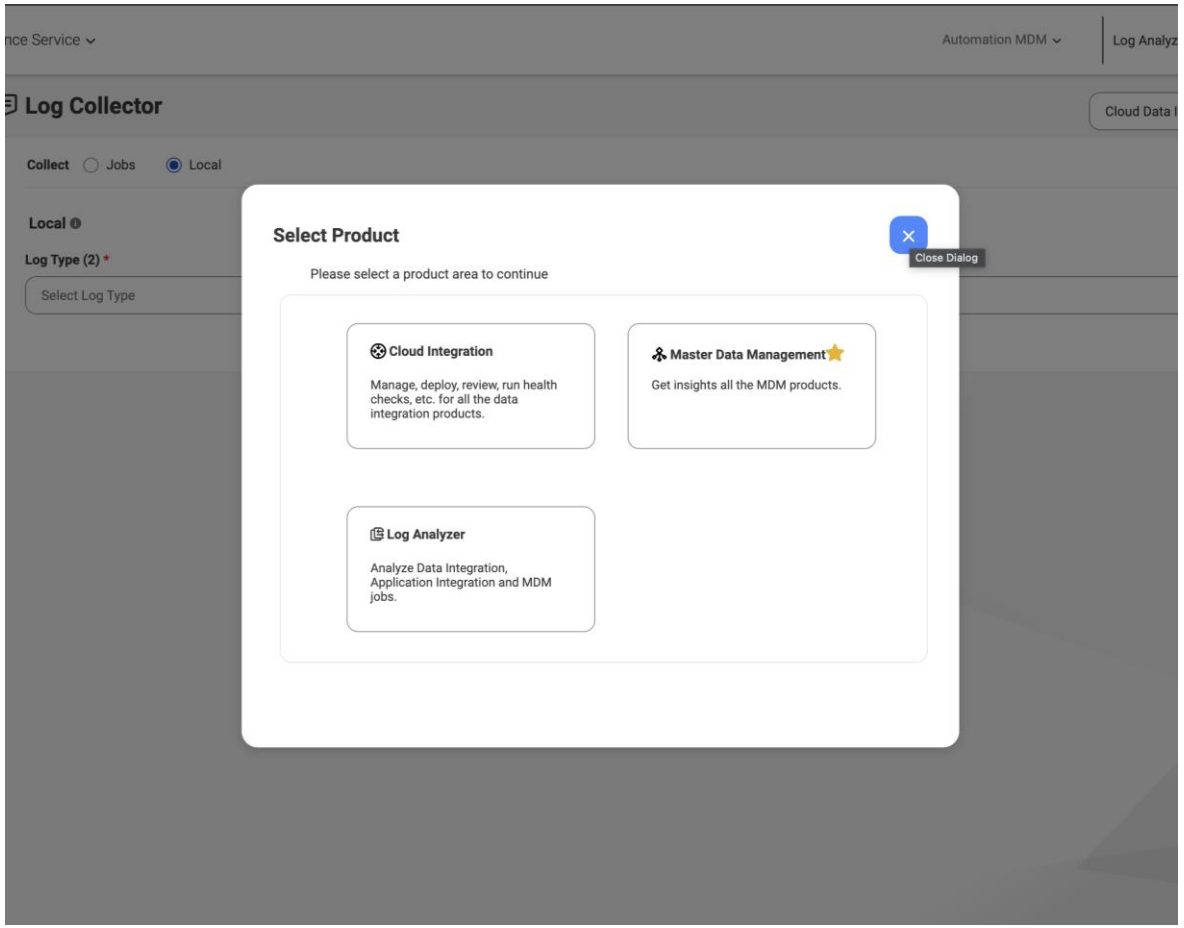
Log Analyzer and its benefits

This service acts as a hub for collecting and analyzing logs.

- Enables early identification of issues
- Boosts productivity for IDMC customers
- Supports continuous improvement and resiliency
- Easy access
- Commitment to Proactive Troubleshooting

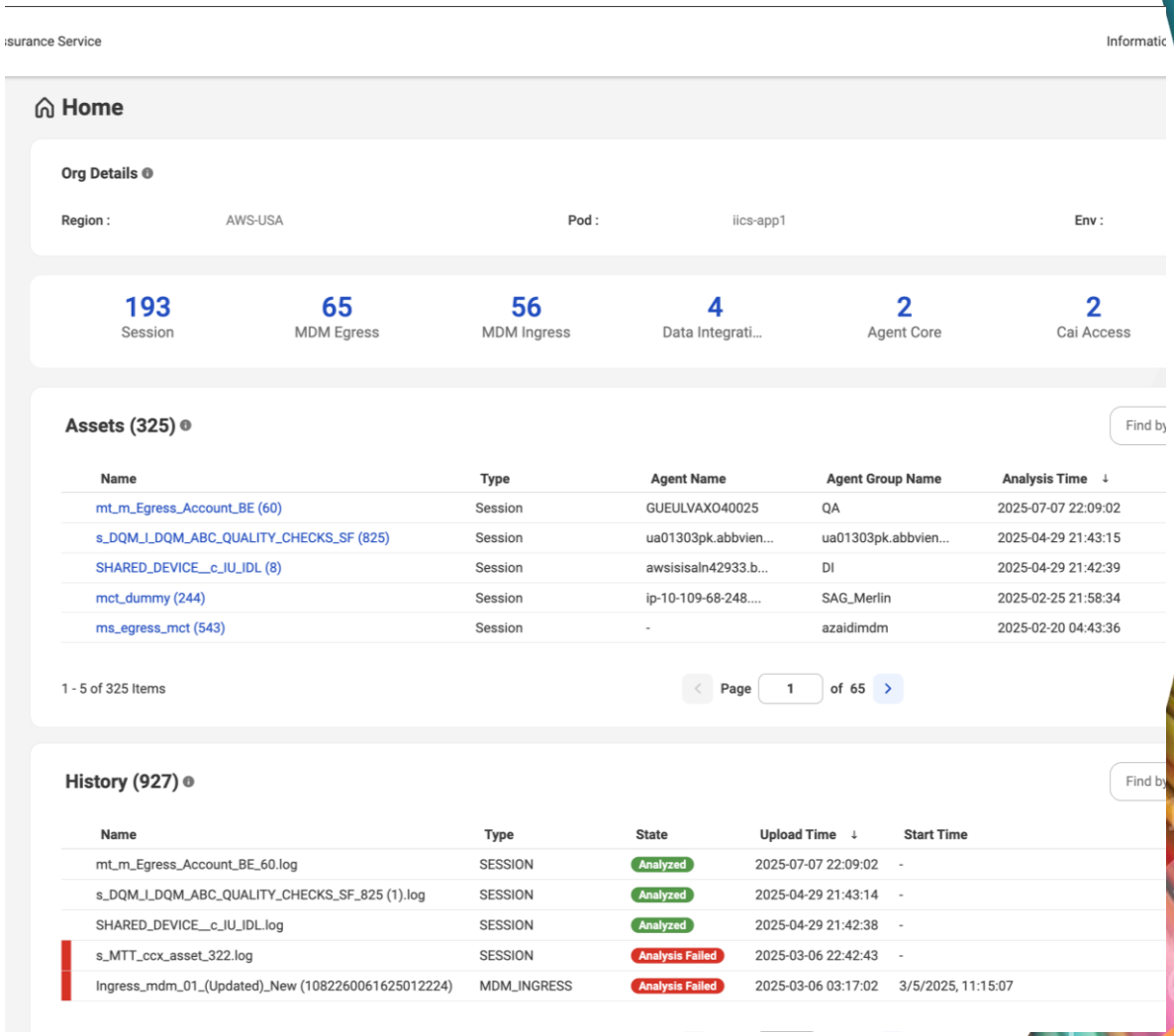
Access to Log Analyzer

- Login to the IDMC to access the Assurance Service dashboard.
- Select Log Analyzer from the product window for log analysis.



Log Analyzer

- Org Details
- Assets
- History



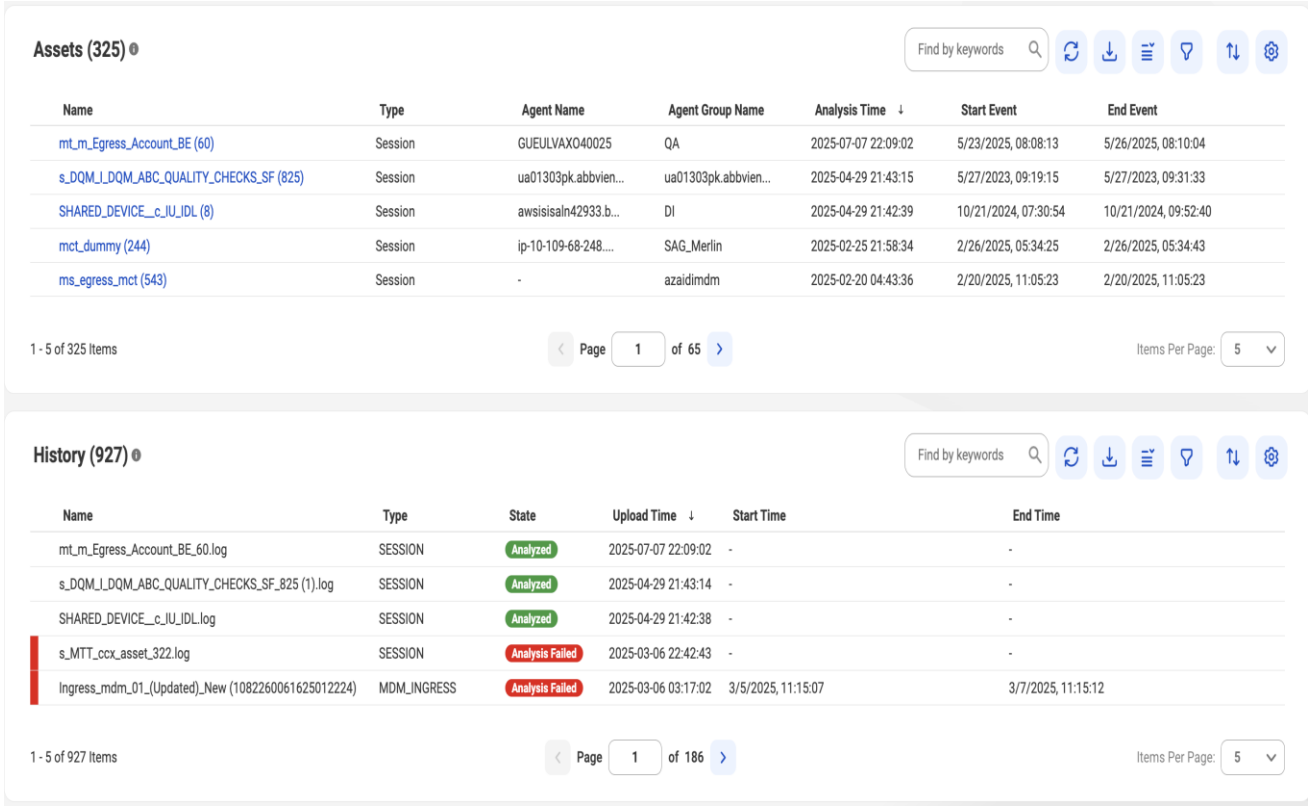
Log Analyzer

Assets

- Access to Analyzed results through post-import.
- Click on asset names for detailed analytical views.

History

- History table for tracking and management.
- State column indicates status
- Provides transparency on the entire log import process.



Queued, Downloading/Tracing, Downloaded, Download Failed, Analyzing, Analyzed/Completed, Analyze Failed

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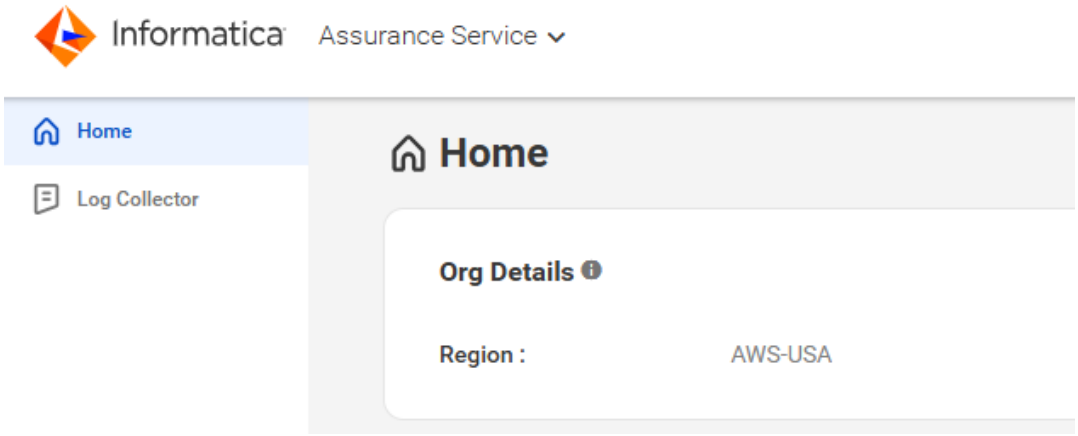
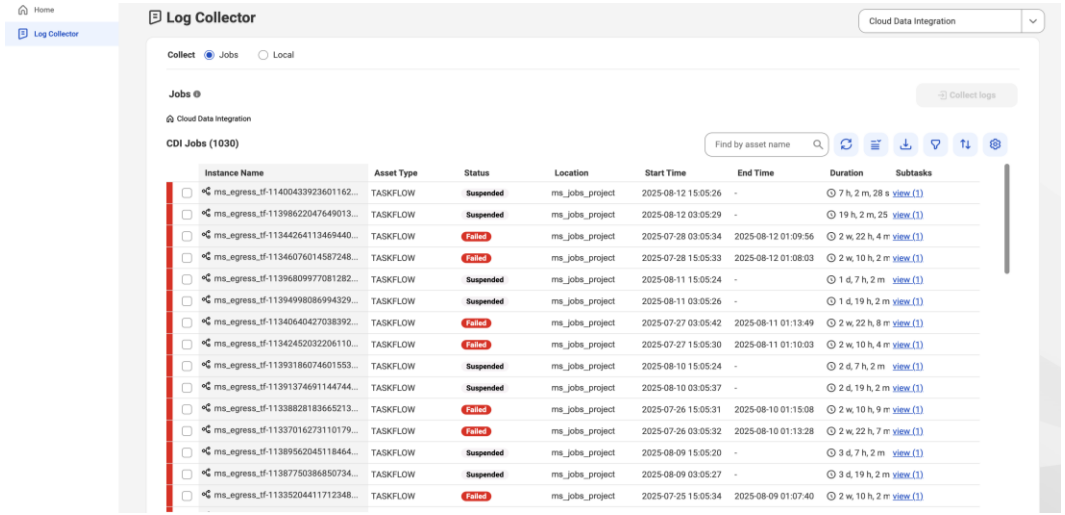
How to collect and Analyze logs

- From Log Analyzer Page select Log collector



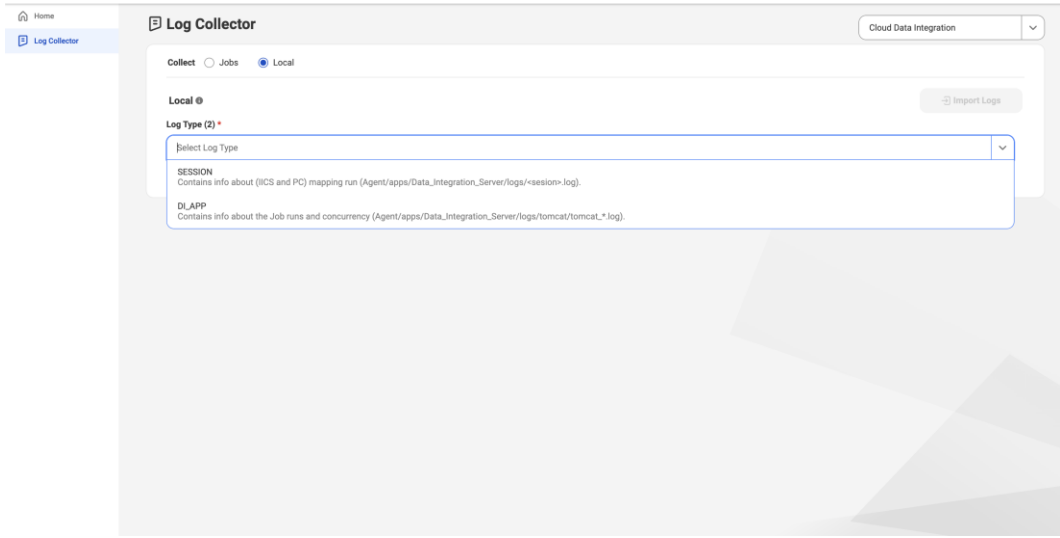
- Log collector supports three key IDMC products:
  - Cloud Data Integration (CDI)
  - Cloud Application Integration (CAI)
  - Cloud Database Ingestion and Replication (CDIR)

Log Import Methods



Jobs

- Import logs based on job instances or asset names.



Local

- Upload individual files or zipped log archives from secure agents.

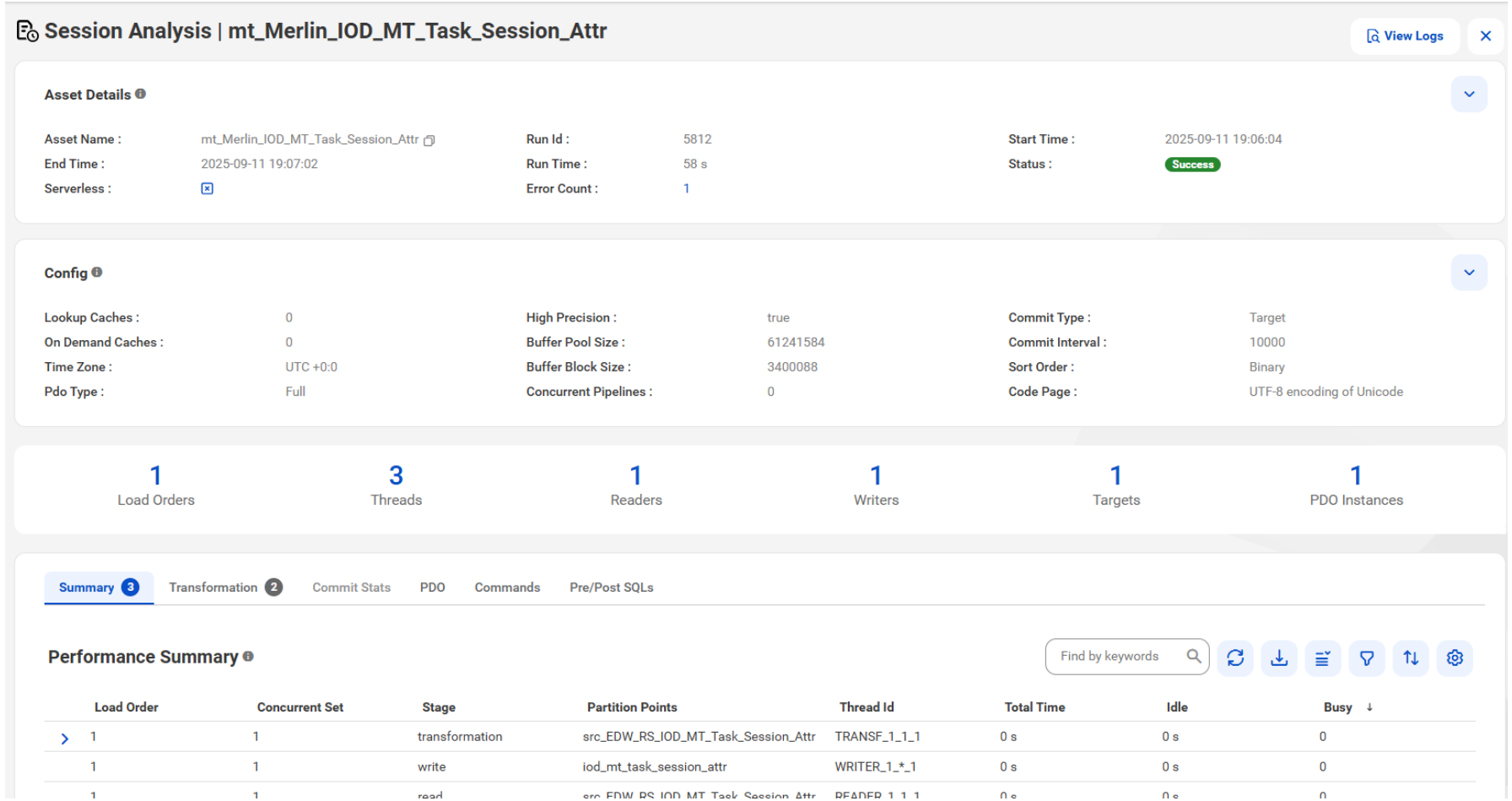
CDI Analysis

Supported Import Method: Jobs, Local

Supported Log Types: Session , DI App

Session Analysis

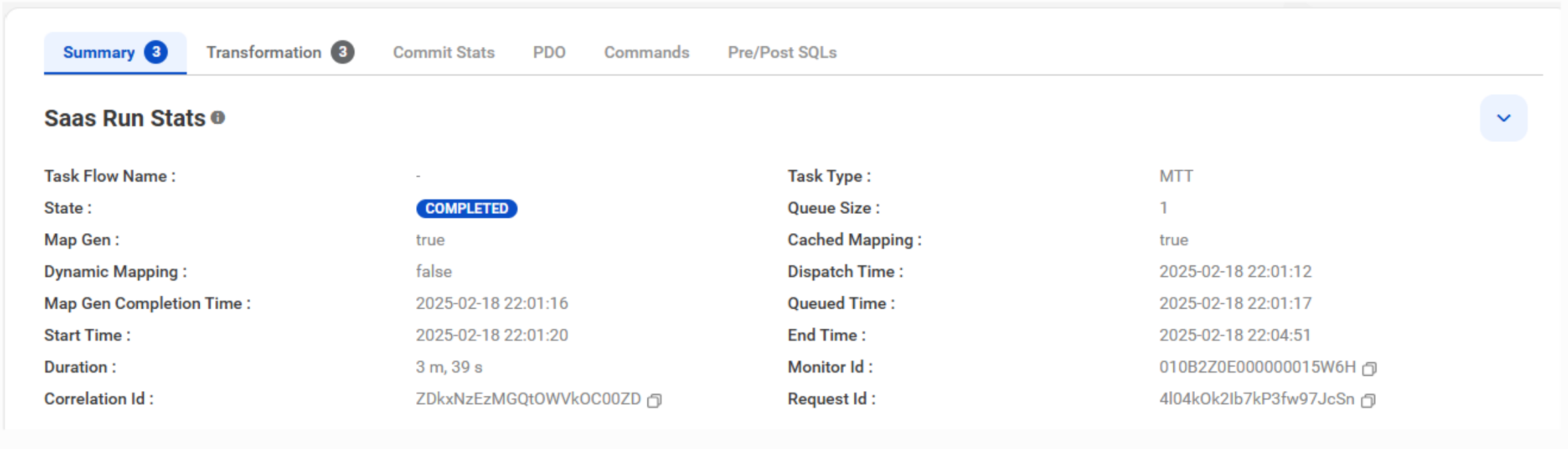
- Session dashboard provides the analysis report of the session log .



Session Analysis

SaaS Run Stats

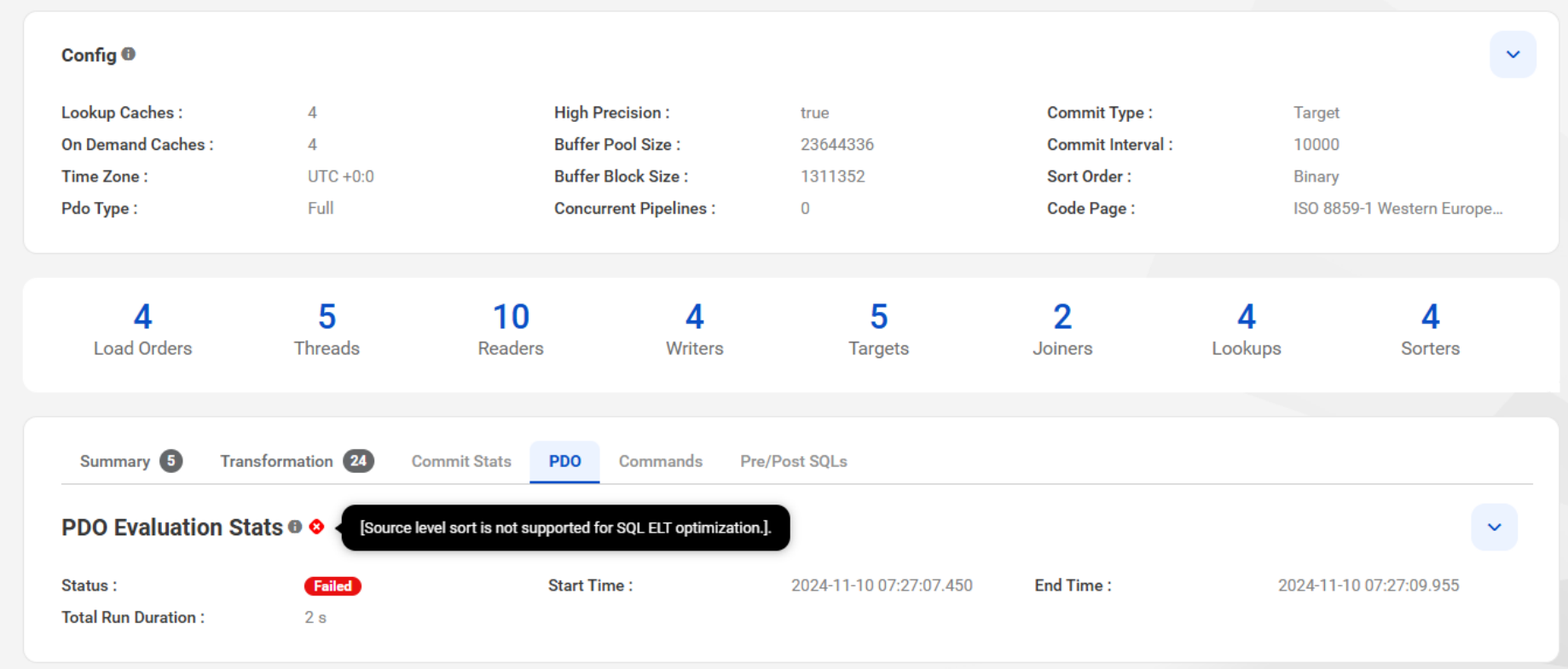
- Provides details regarding the cloud services run for this session .
- Provides start time , end time , queue time for important steps like map gen.



Session Analysis

PDO

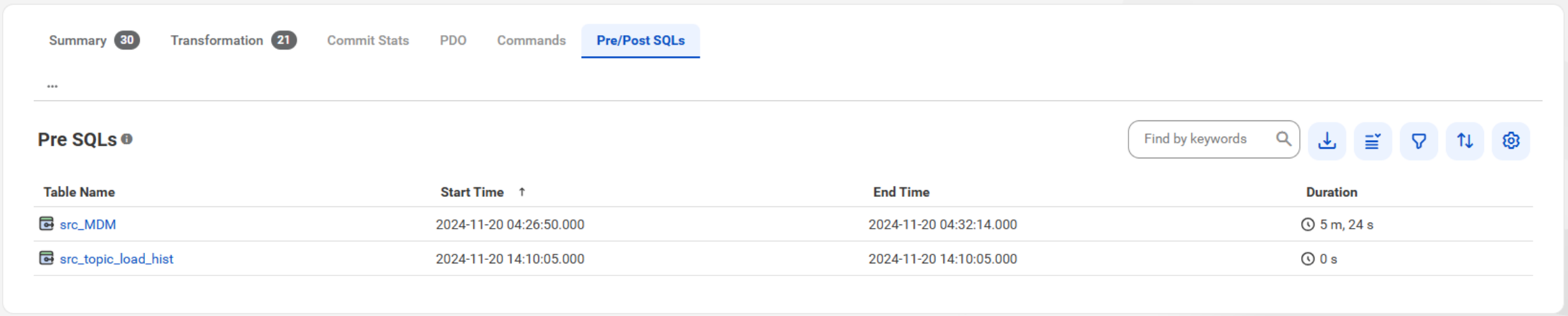
- Provides details regarding PDO .
- Specifies the type of PDO that was configured and the type of PDO was executed during run time.
- Provided details regarding why PDO failed or why partial PDO was used.



Session Analysis

Pre/Post SQL

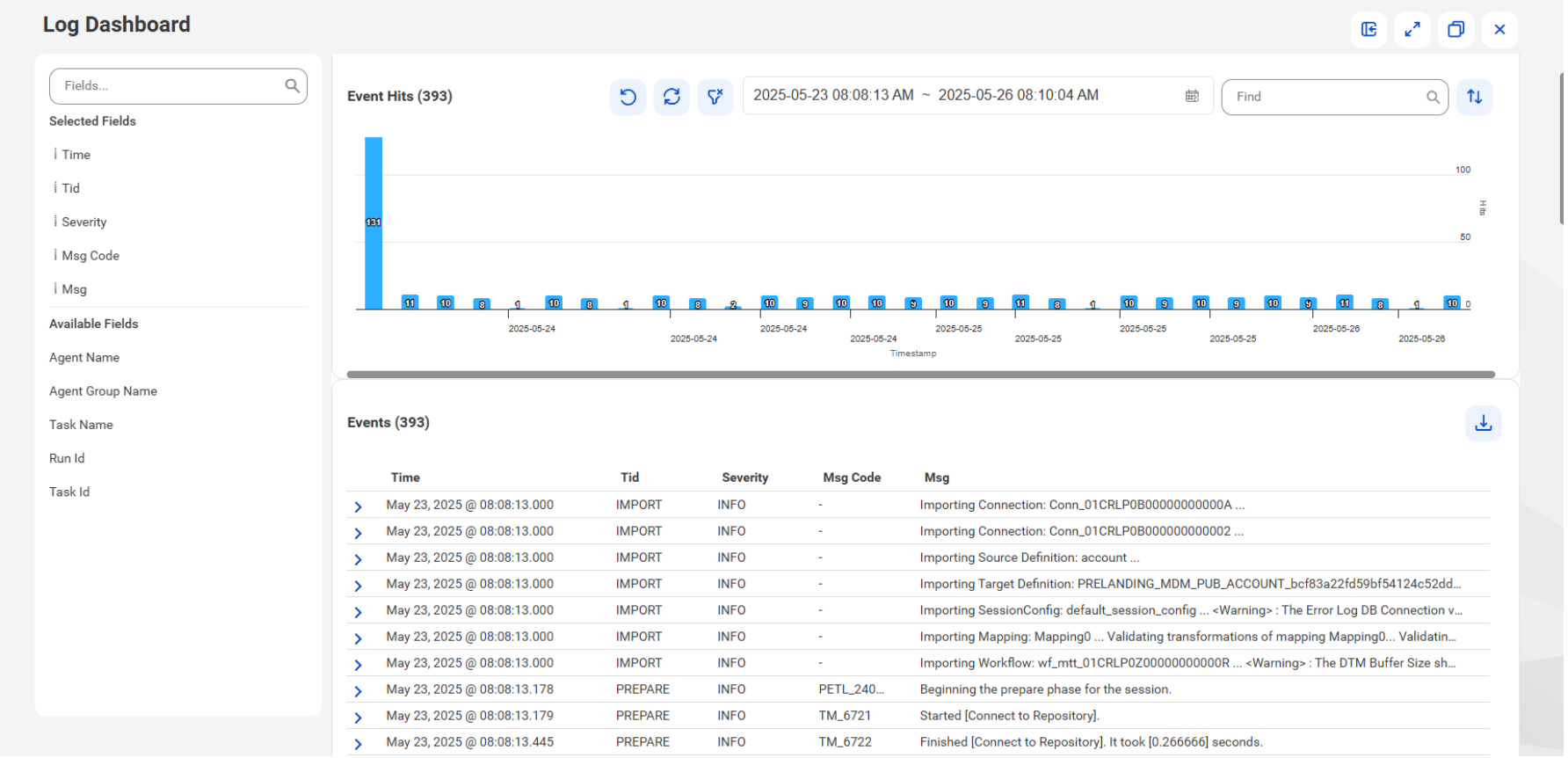
- Provides information regarding runtime of pre and post SQLs.
- Lists the runtime and the SQL query that is run and helps to identify the queries taking more time to run.



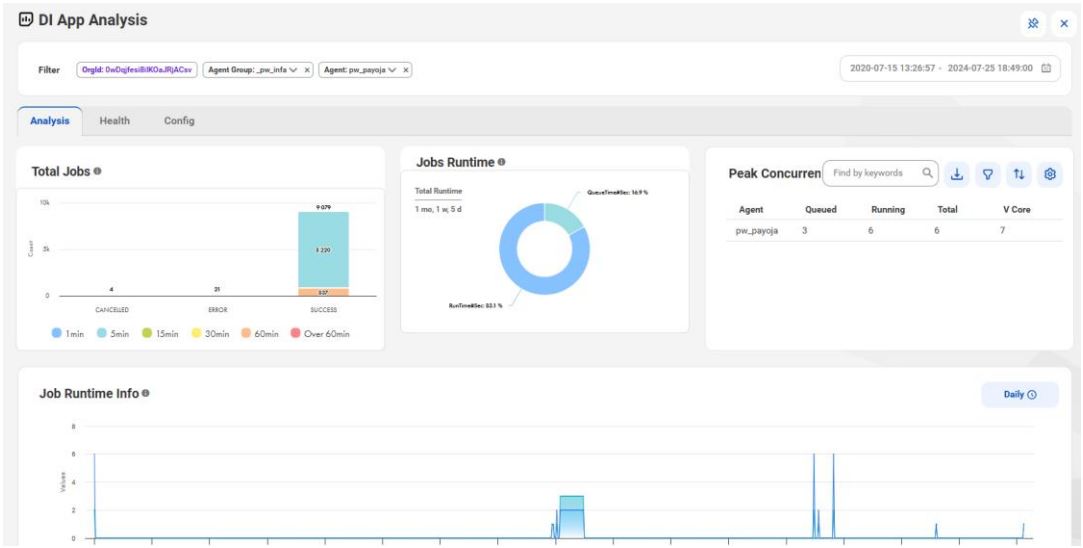
Session Analysis

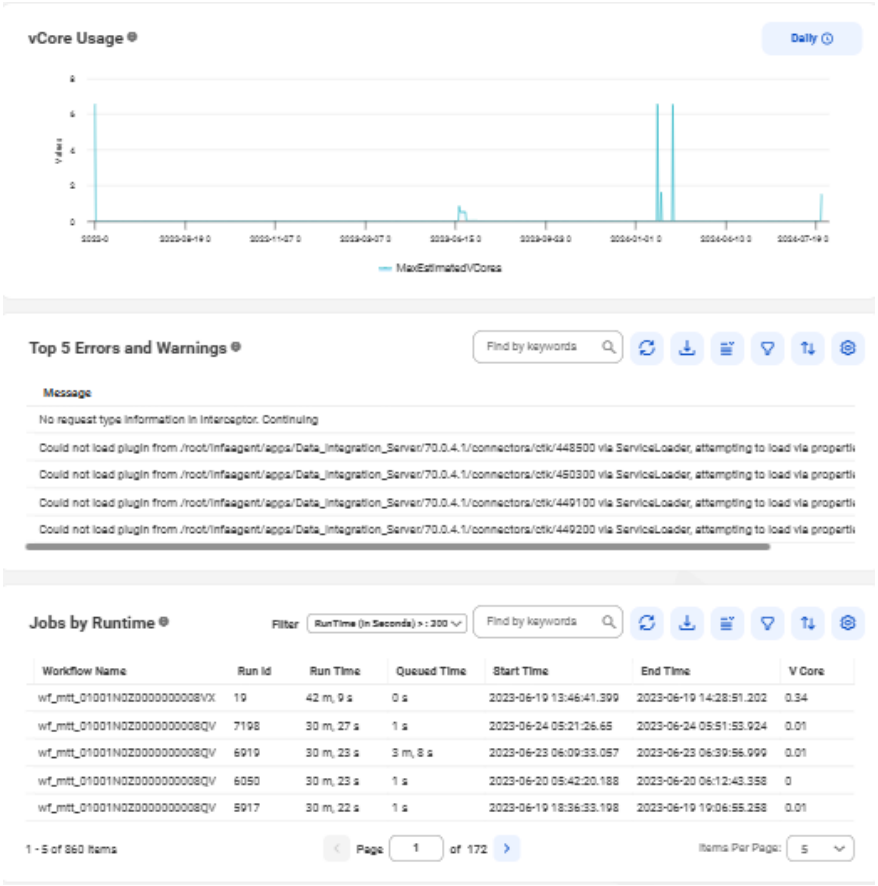
View Logs

- Users can view the session log lines using the View Logs button on the session analysis dashboard.
- The log dashboard shows the log lines and users can filter based on fields like severity.



DI App Analysis : Analysis tab

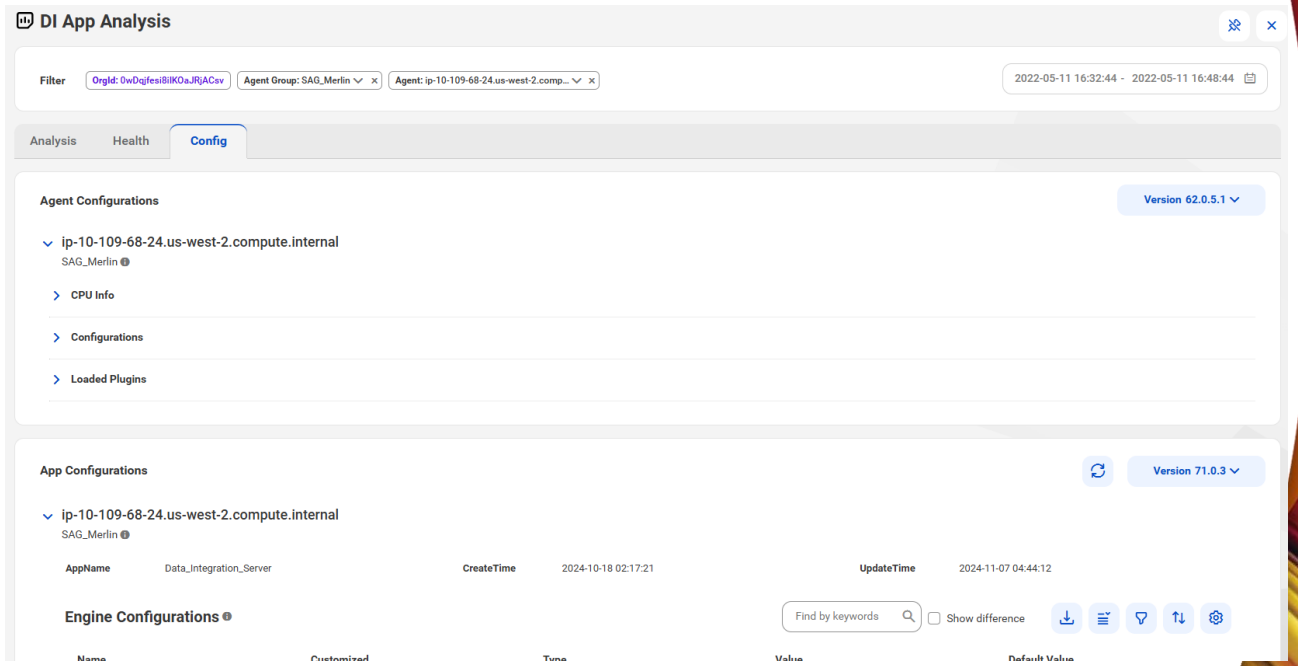




- Provides parsed information from various logs like tomcat and agent core .

DI App Analysis

- Analysis
  - Provides details on total jobs run , job runtimes , peak concurrency vCore Usage , top errors and warnings.
  - Provides charts on vCore usage , job run time and total jobs run.
- Health
  - Provides app lifecycle information.
  - Shows the various life cycle events like Deployed , Running , Restart for various app versions .
- Config
  - Shows details of agent configuration and app configuration .
  - Agent configuration includes details like agent version , CPU info , configurations and plugins.
  - App configuration provides info of various engine configurations.



CDIR Analysis

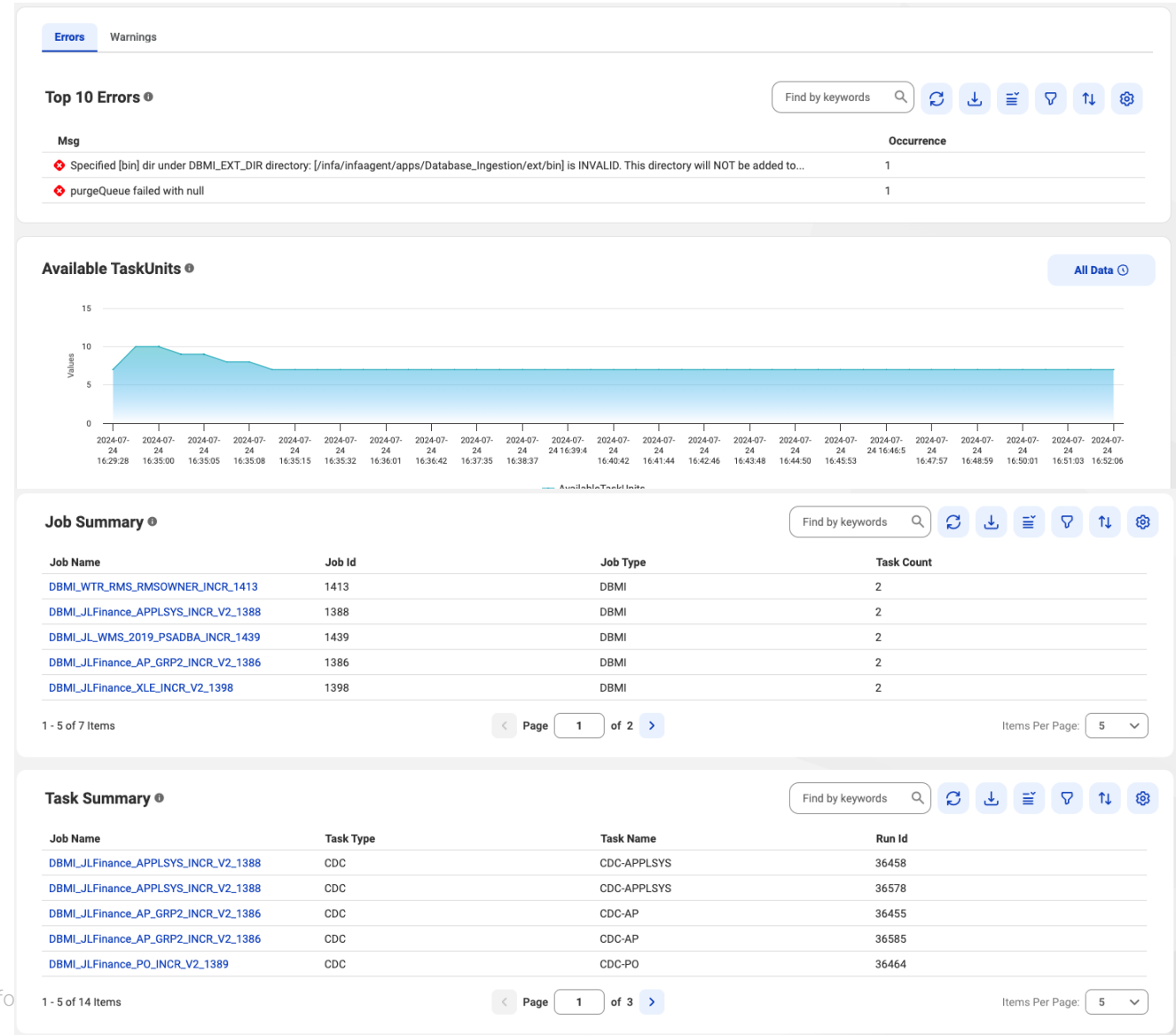
Supported Import Method: Jobs, Local

Supported Log Types: DBMI/App MI – Service & Job Logs

CDIR Analysis : DBMI Agent Analysis

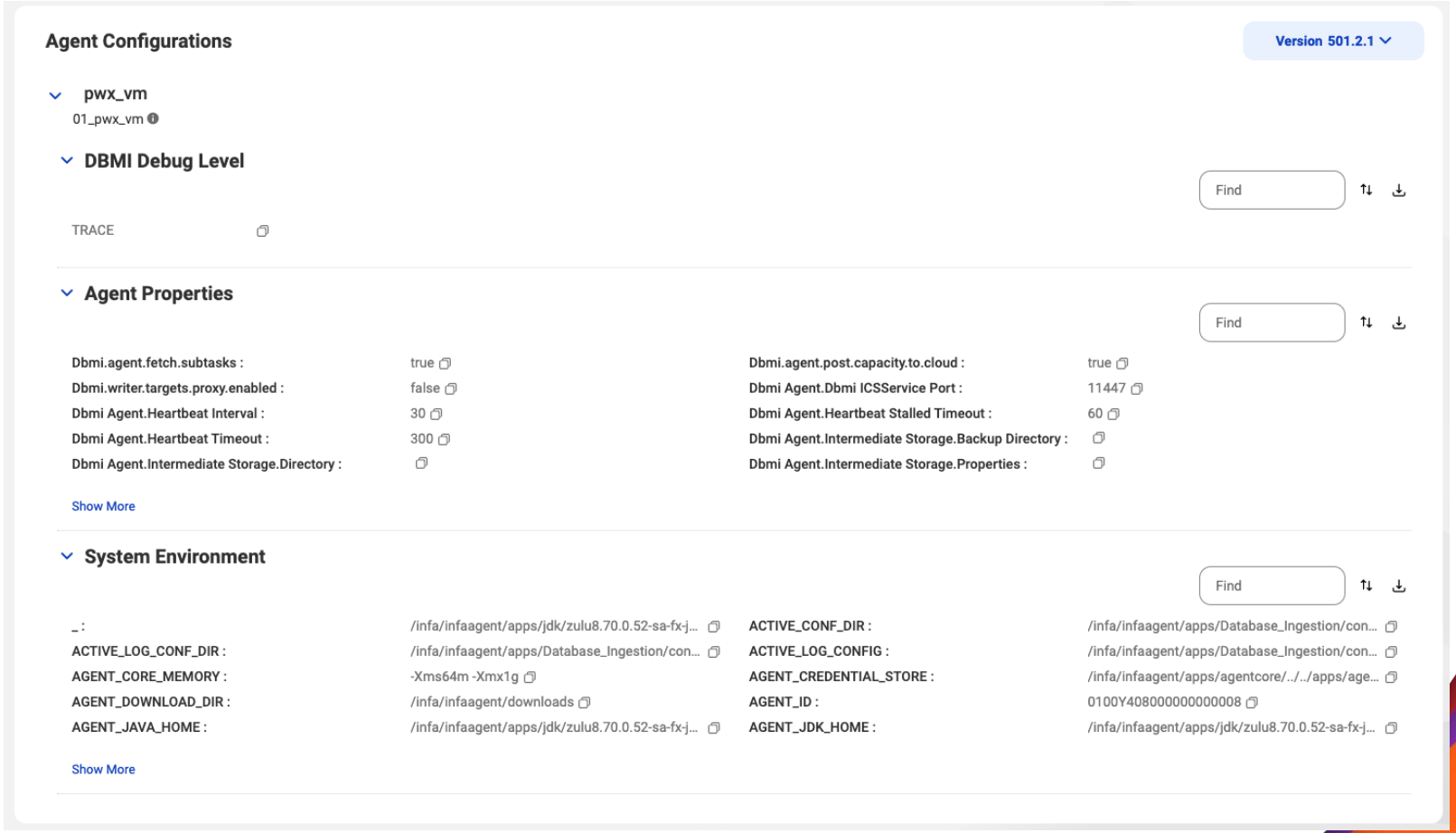
DBMI Agent Dashboard provides job details and the load on the agent.

- Displays Top 10 errors & warnings.
- Displays how to job load is distributed overtime.
- Provides a list of the jobs running at the time and a drilldown (job status changes).
- Provides Tasks captured in the logs and a drilldown (Task run history, status and bytes read/write overtime).



CDIR Analysis : DBMI Agent Config tab

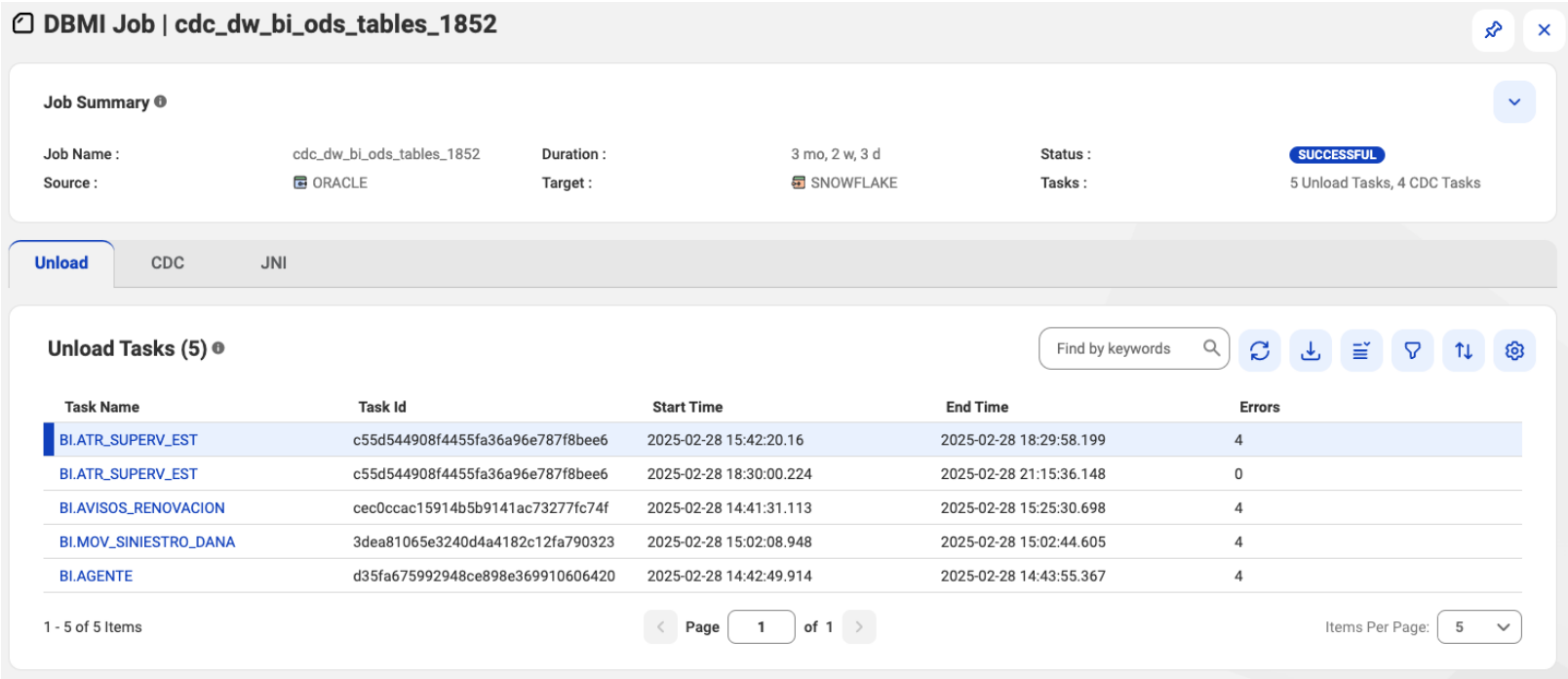
- Displays the configurations for the selected version.
- Displays DBMI Debug level.
- Agent Properties.
- System Environment properties.

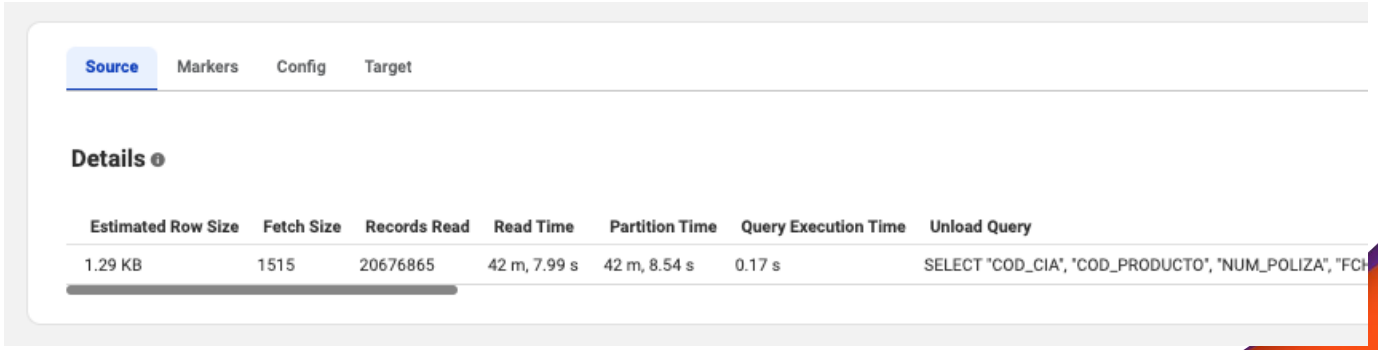


CDIR Analysis : DBMI Job Analysis

- Provides a job level summary.
- Contains 3 sub-tabs.
  - Unload
  - CDC
  - JNI

- **Unload Tab**: Displays Unload task details (ex. Task Id, Errors and Warnings).
- Provides task level drilldown for each row.
- Unload Tab is further categorized as: Config, Marker, Source & Target





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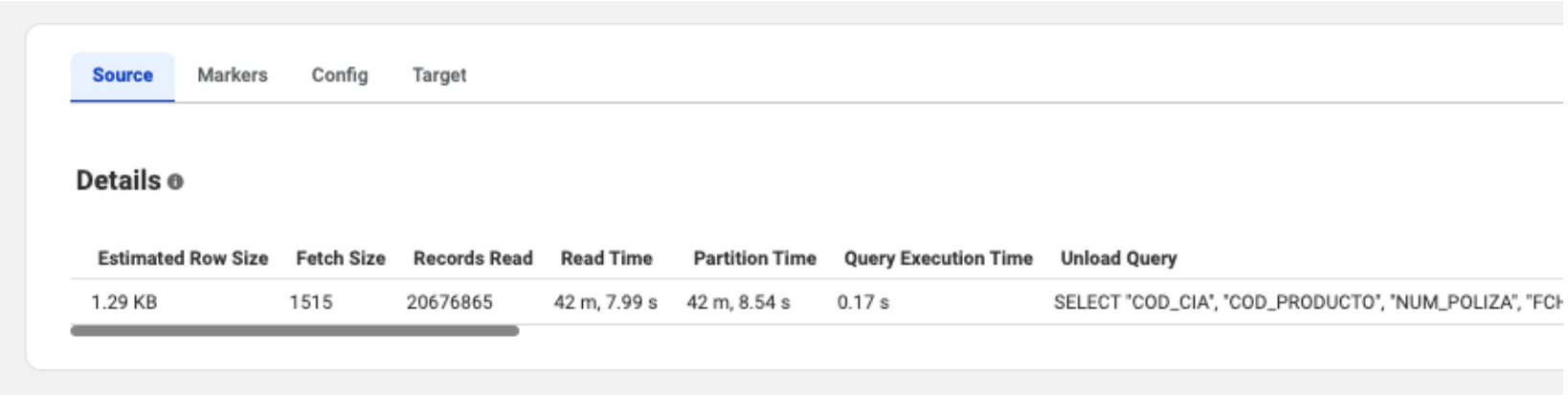
CDIR Analysis : DBMI Job Analysis

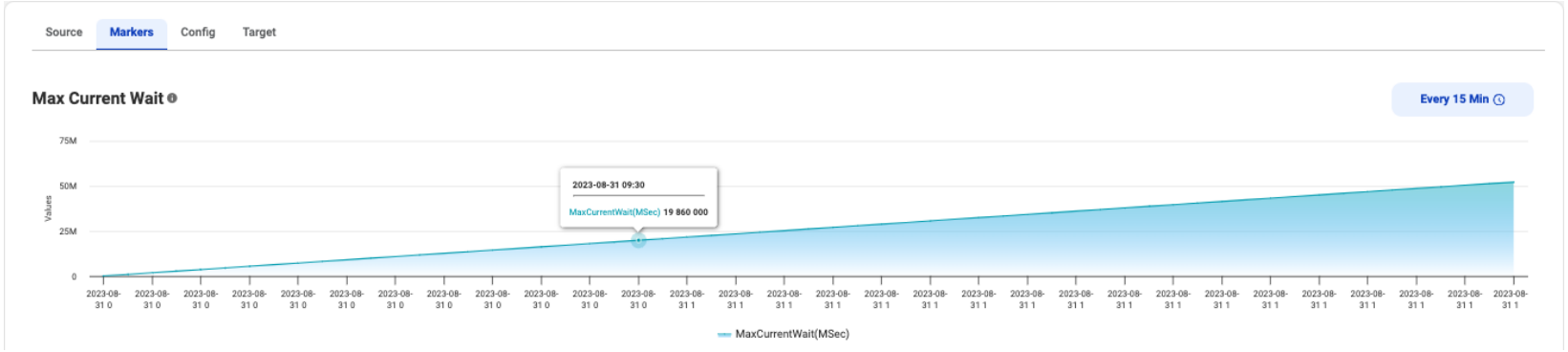
- **Source tab:** Shows the source related data for the selected task.
- Details can vary based on the source and task type.



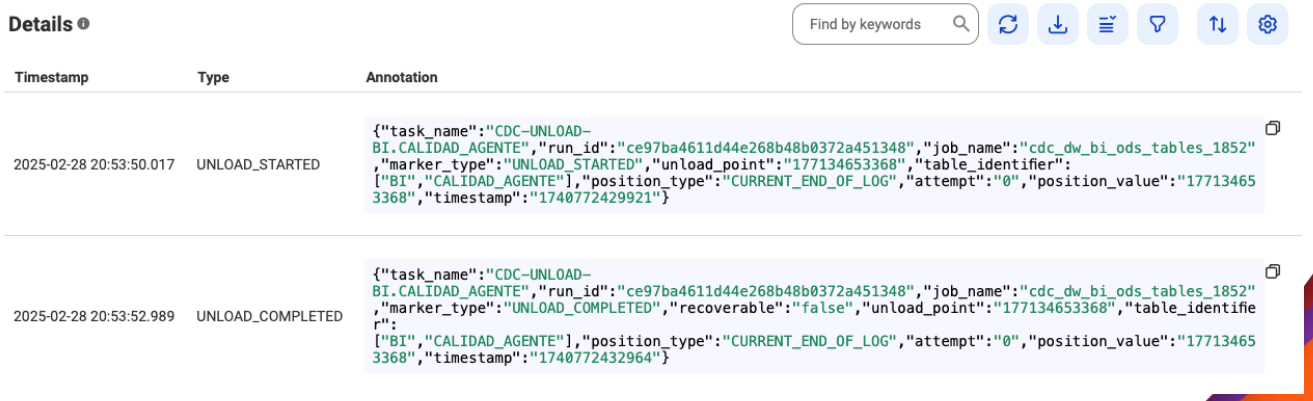
- Following details are extracted:
  - **Unload**:
    - All sources basic details. Such as Estimated row size, fetch size, number of records read, time taken and the Unload query used.
  - **CDC**:
    - DB2 iSeries: UoW statistics
    - DB2 zOS: Uow statistics and transaction details.
    - Salesforce (for AppMI): SF bulk query details.

CDIR Analysis : DBMI Job Analysis

- **Marker tab** shows how the job is progressing over time. It shows the time when job was in waiting state and marks any critical events (markers).

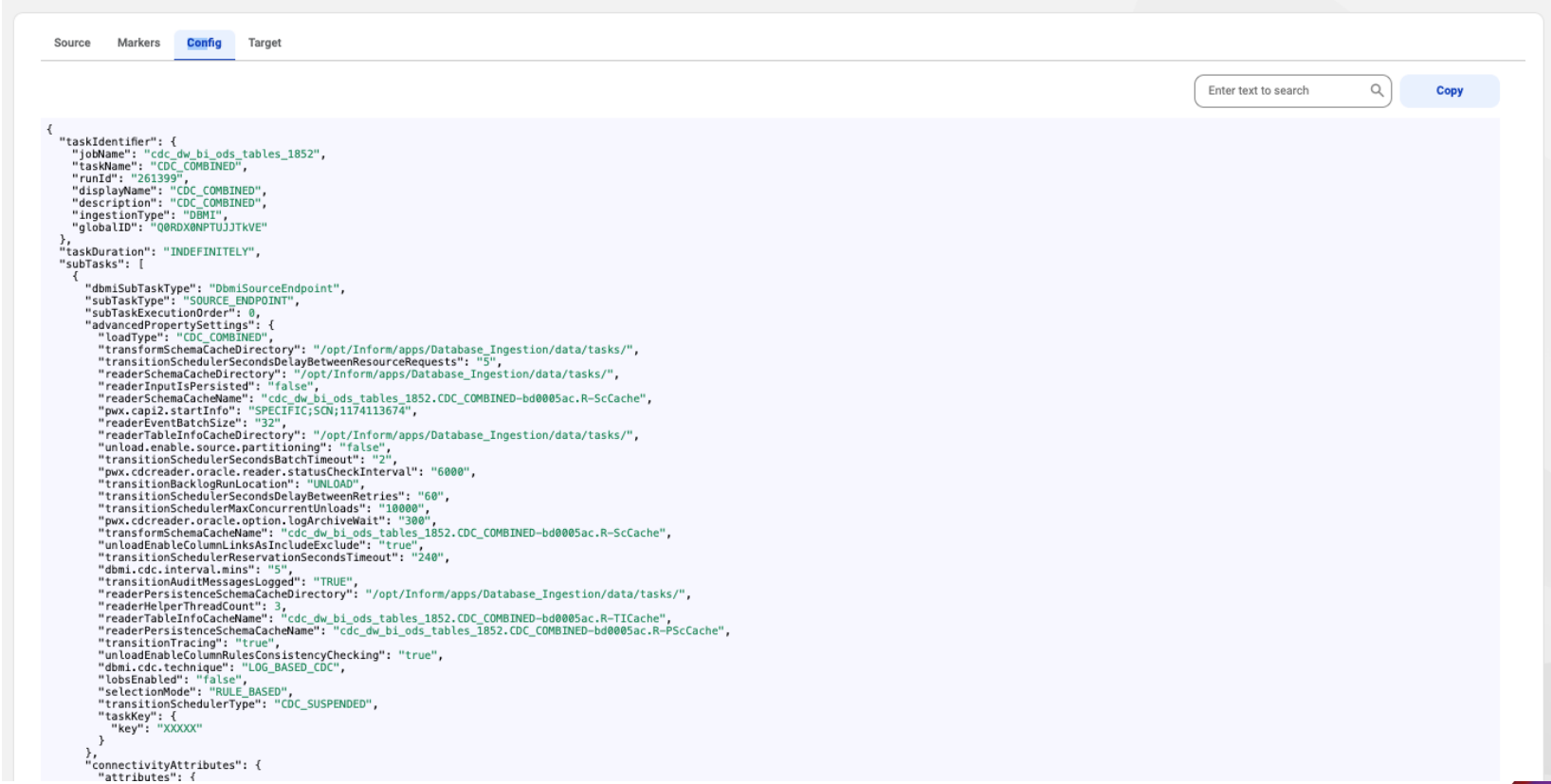


- Max Current wait timeline chart.
  - This chart shows how long a task was waiting for the incoming data.
- (Marker) Details table:
  - Shows when a task marker is updated. Each marker indicates a critical event at the task execution. Such as start of unload or completion of unload in CDC combined job.



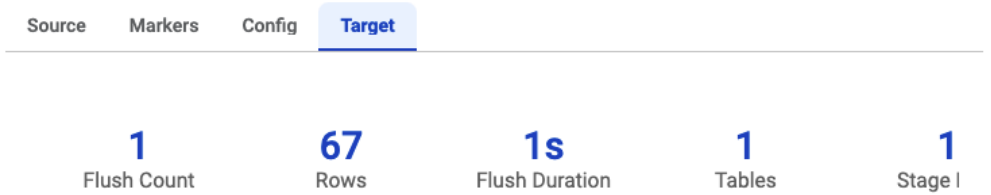
CDIR Analysis : DBMI Job Analysis

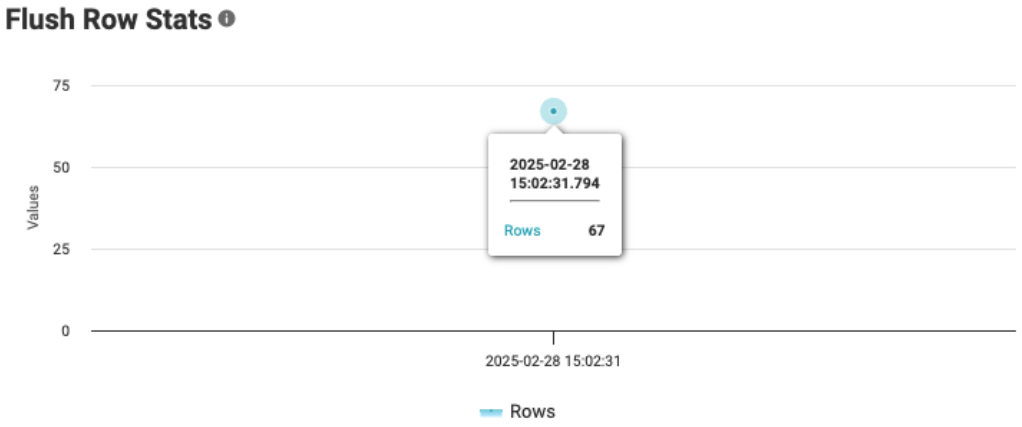
- Config Tab:
  - Config tab shows the configuration captured from the task run.
  - It captures key configurations, including custom settings applied during the selected job run.

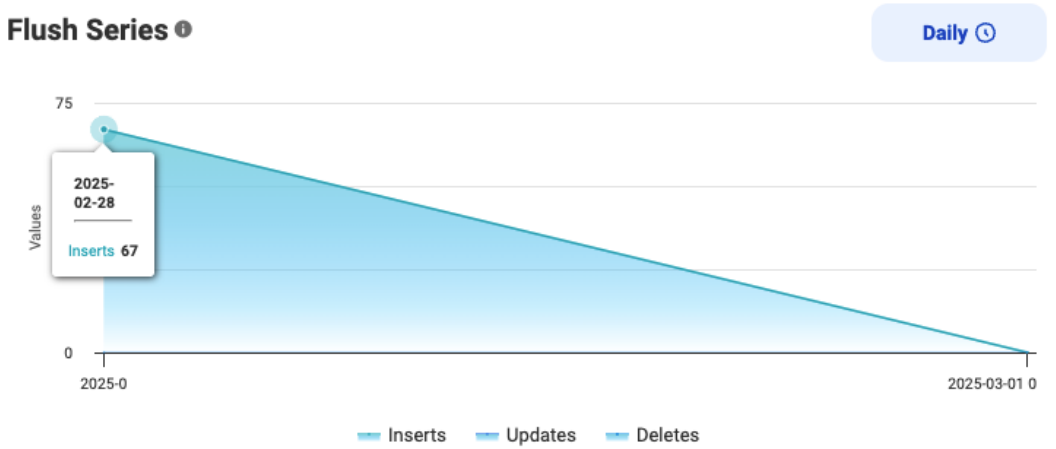


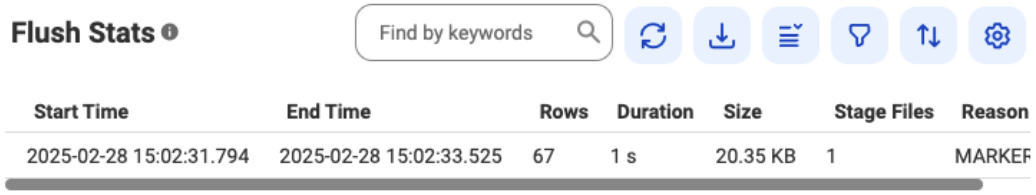
CDIR Analysis : DBMI Job Analysis

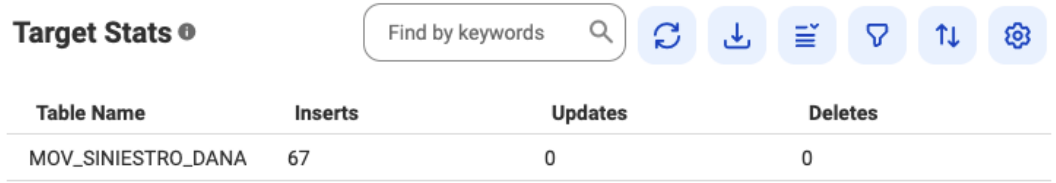
- **Target tab**: Shows how data was flushed into the target.
- It displays the number of records flushed and identifies the target table.





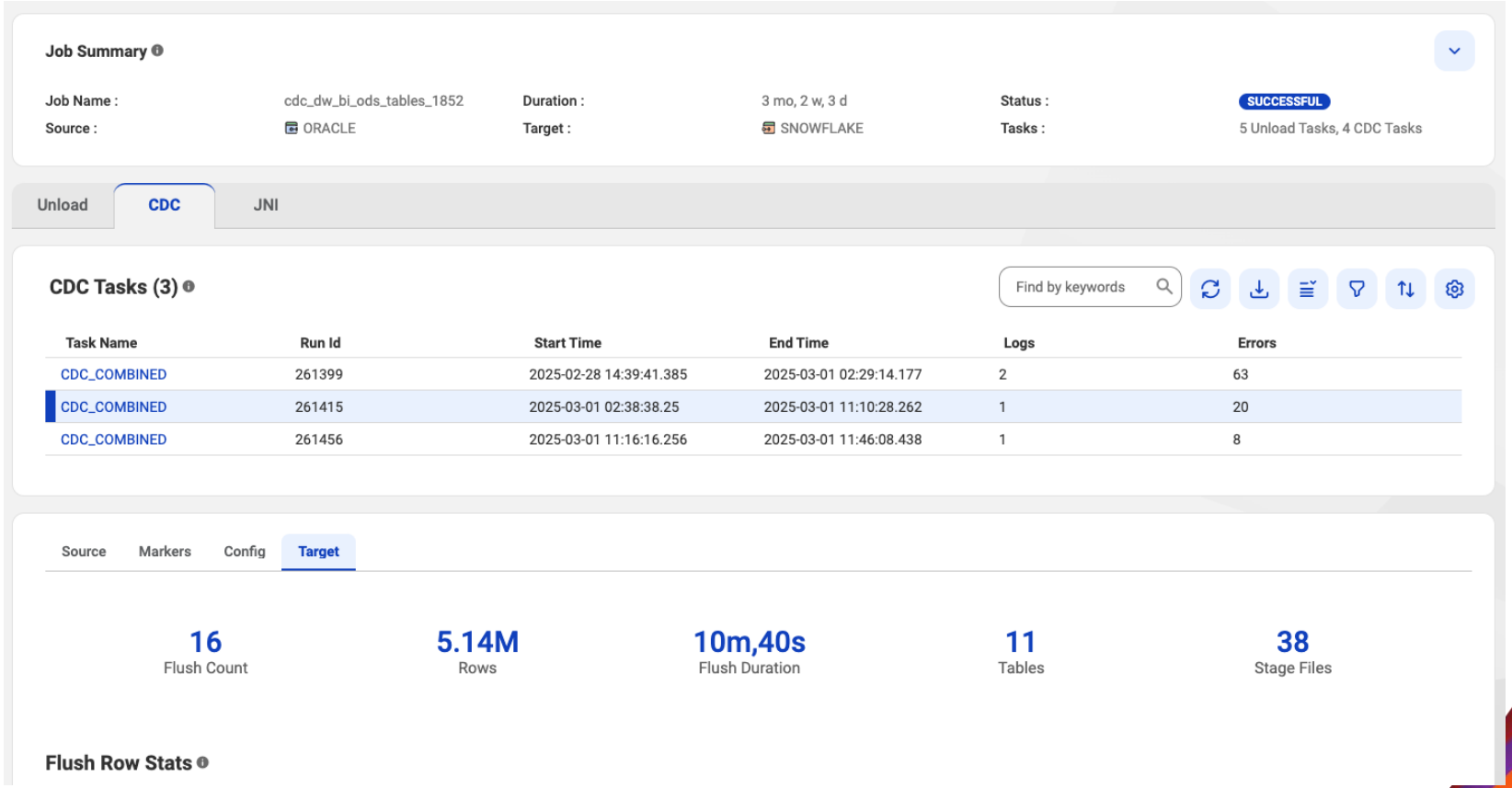






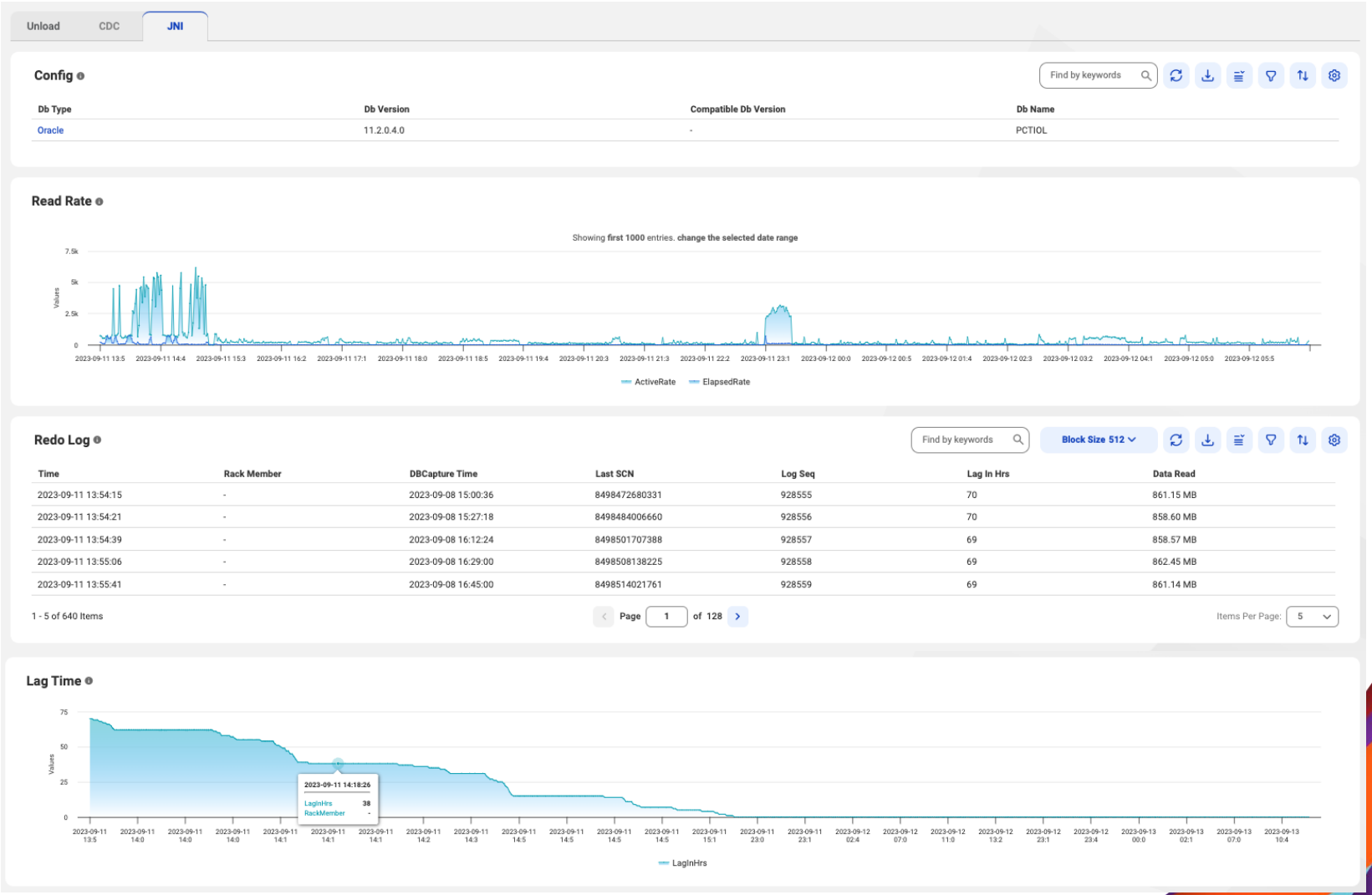
CDIR Analysis : DBMI Job Analysis

- CDC Tab:
  - Shows a list of CDC tasks for the job.
  - Each Row provides a drilldown.
  - Drilldown contains: Source, Marker, Config and Target tabs.



CDIR Analysis : DBMI Job Analysis

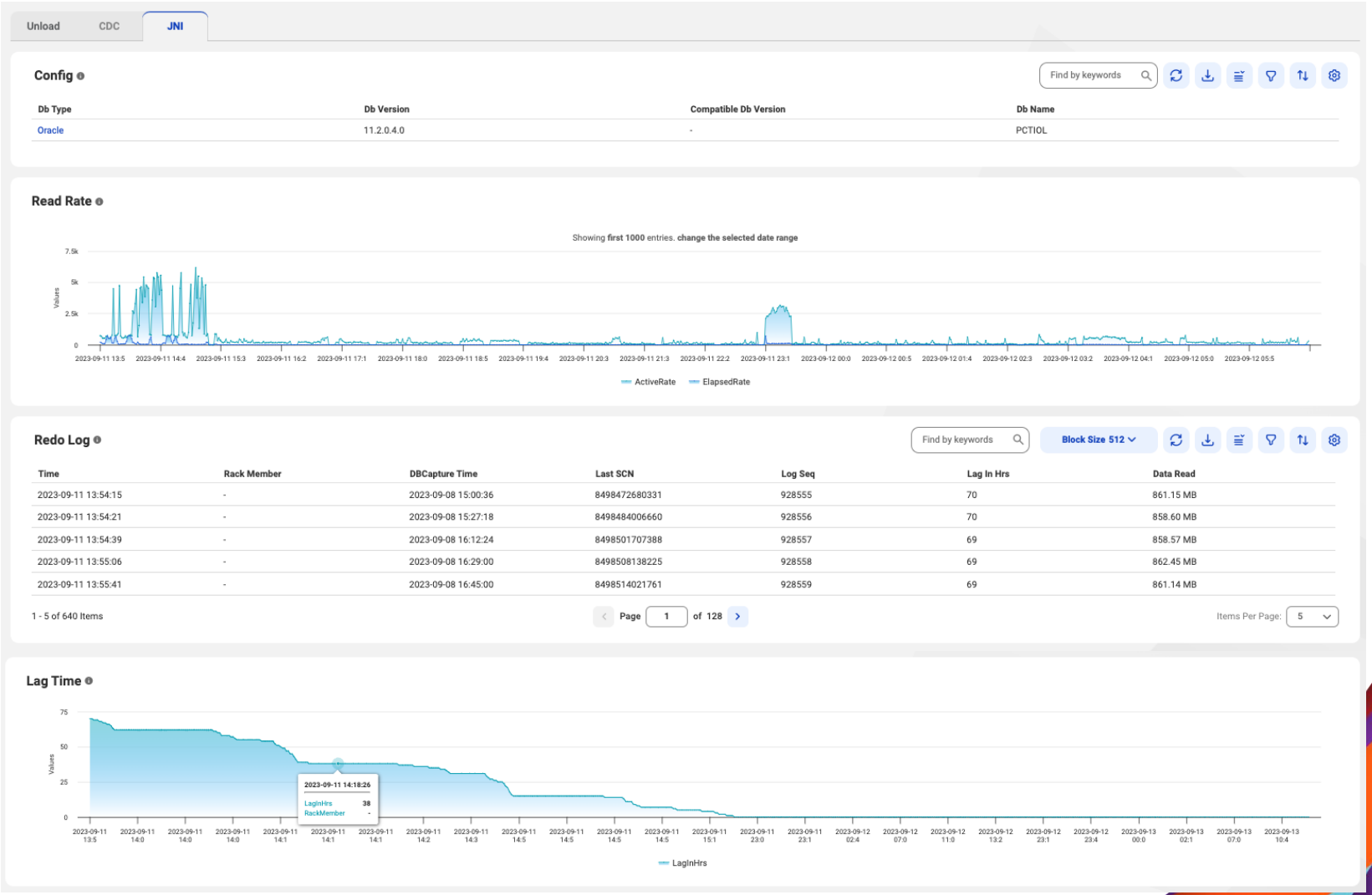
- JNI Tab:
  - Applicable for Oracle, MSSQL and Postgres SQL sources.
- It provides data to see how data is progressing during CDC run.
- Some connectors (Oracle, MS SQL and Postgres SQL) generates an additional log during CDC phase.



CDIR Analysis : DBMI Job Analysis

- JNI Tab (Oracle)

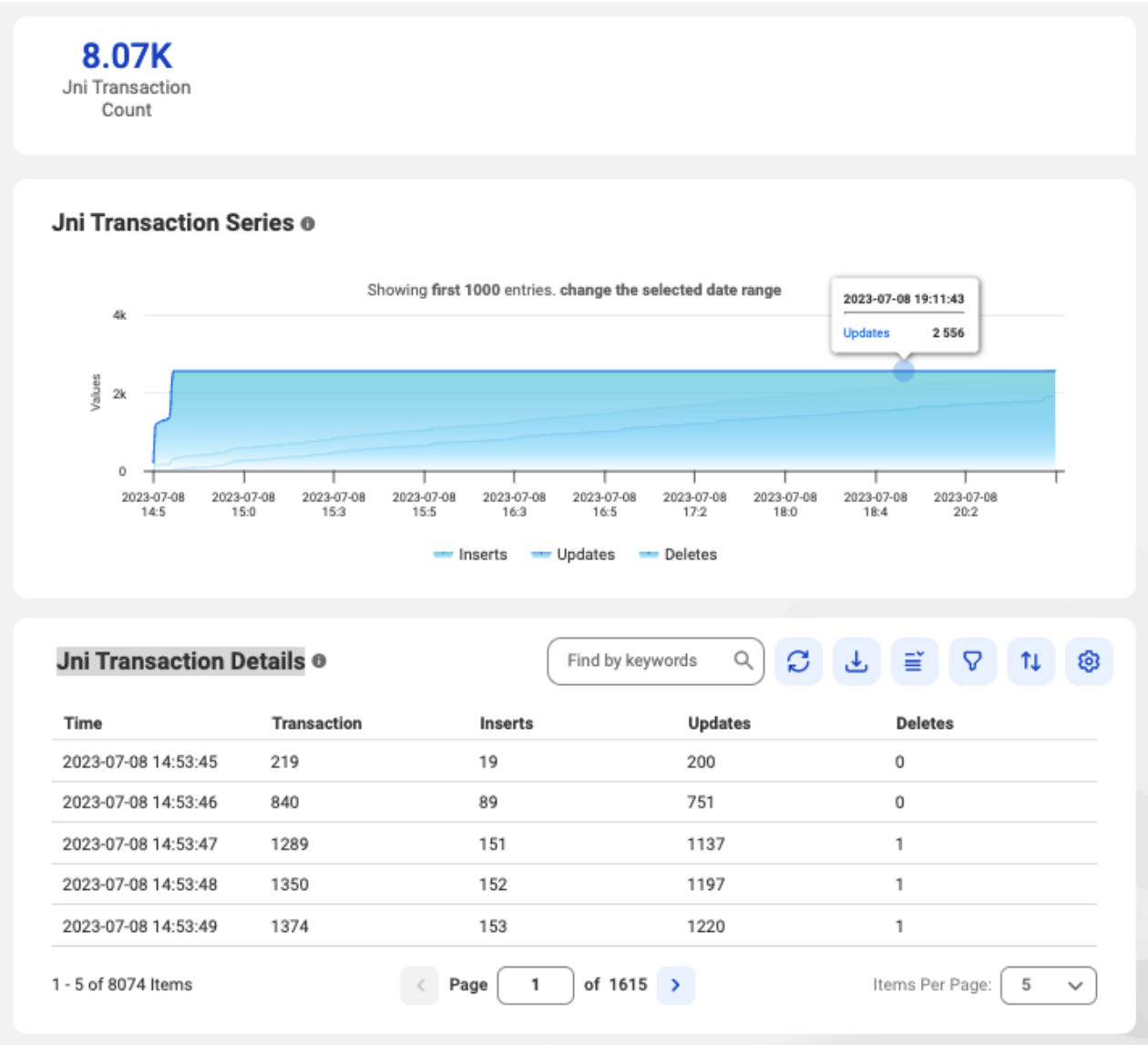
- **Read Rate:** Shows how the data was read overtime.
- **Redo Log:** Shows Show how much data is read, how much lag is present and Las LSNs.
- **Lag Time:** Show how much lag is present in the data read.
- **File Count Data size chart:** Shows how many files are read and how much data is read so far.



CDIR Analysis : DBMI Job Analysis

- JNI Tab (MS SQL Server)

- JNI Transaction Series & Details table:
  - Allows users to see how many CRUD operations are happening over time.



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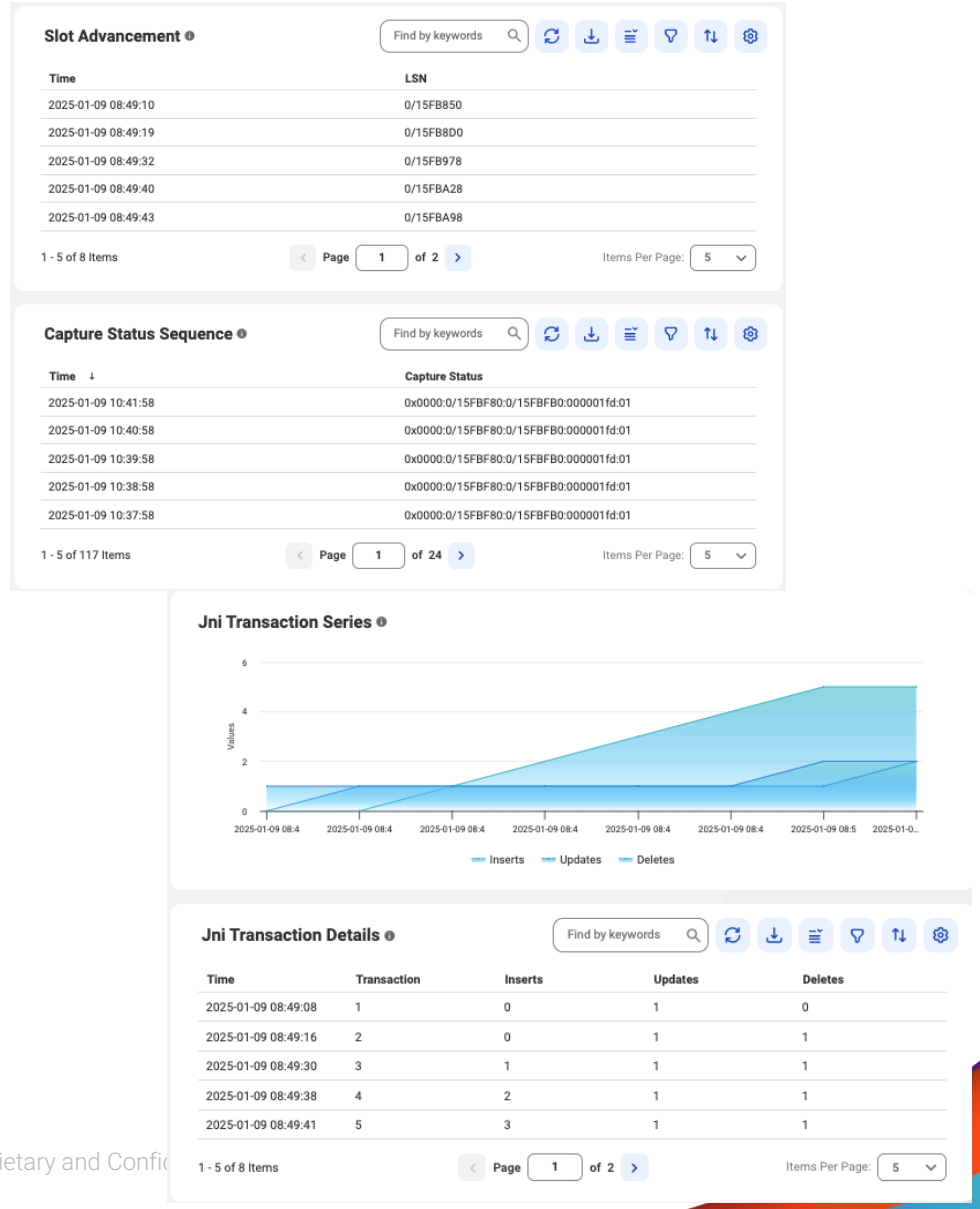
CDIR Analysis : DBMI Job Analysis

- JNI Tab (Postgres SQL)

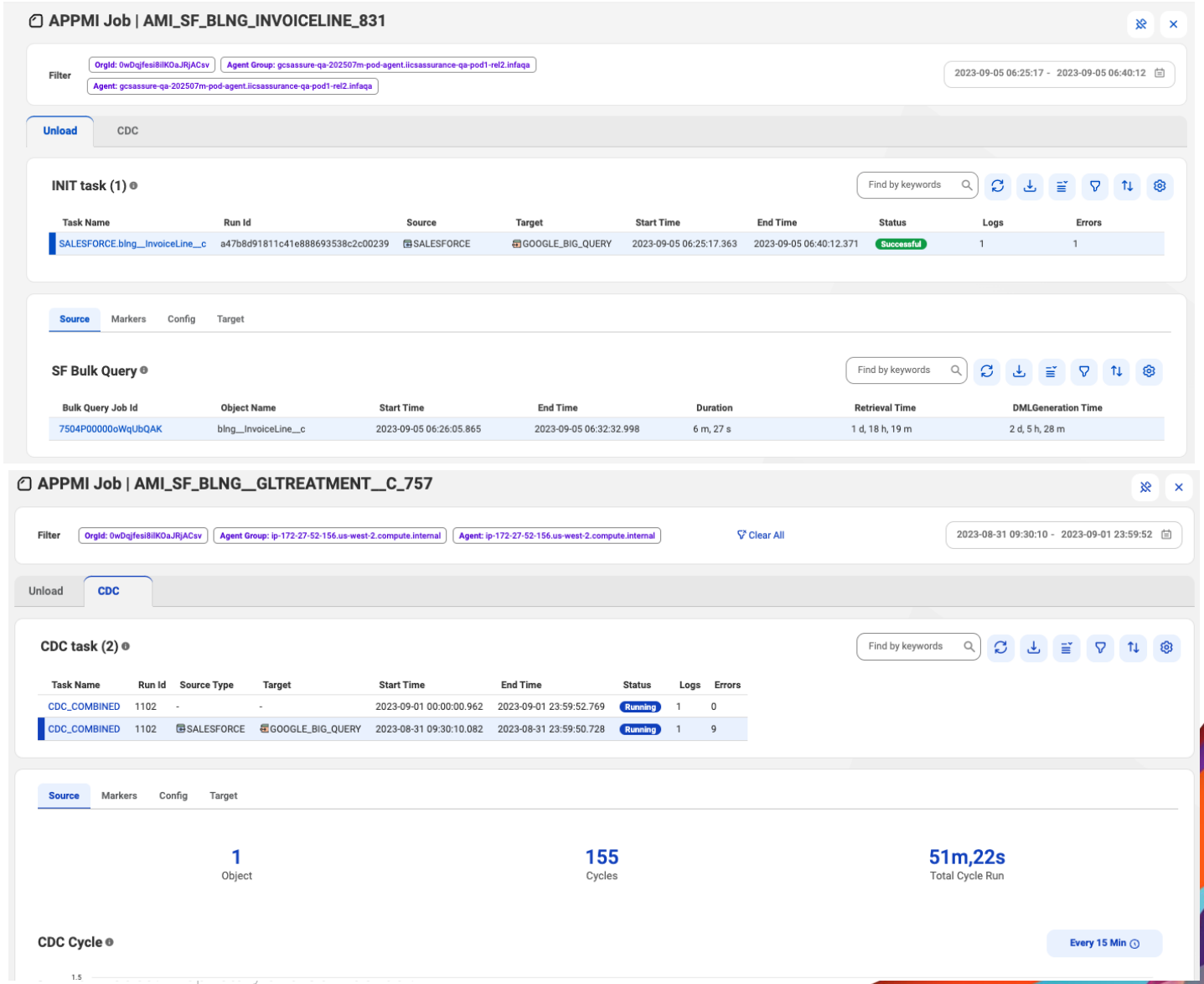
- **Slot Advancement Table:** Shows how the slot is moving forward. This works as a check point for the data read.
- **Capture Status Sequence Table:** Shows the 'Capture Status' for the data read. This info can be used to review job from the DB end.
- **JNI Transaction Series & Details:** Allows users to see how many CRUD operations are happening over time.



CDIR Analysis : APPMI Job Analysis

- Provides task details for:
  - Unload tasks
  - CDC tasks

- Based on the task type (Unload or CDC), the details will be shown in the sub tabs.
  - Source
  - Marker
  - Config &
  - Target



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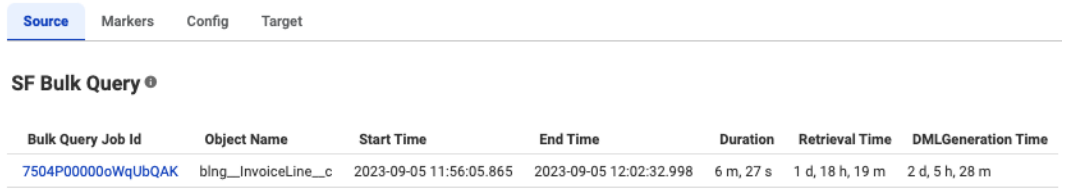
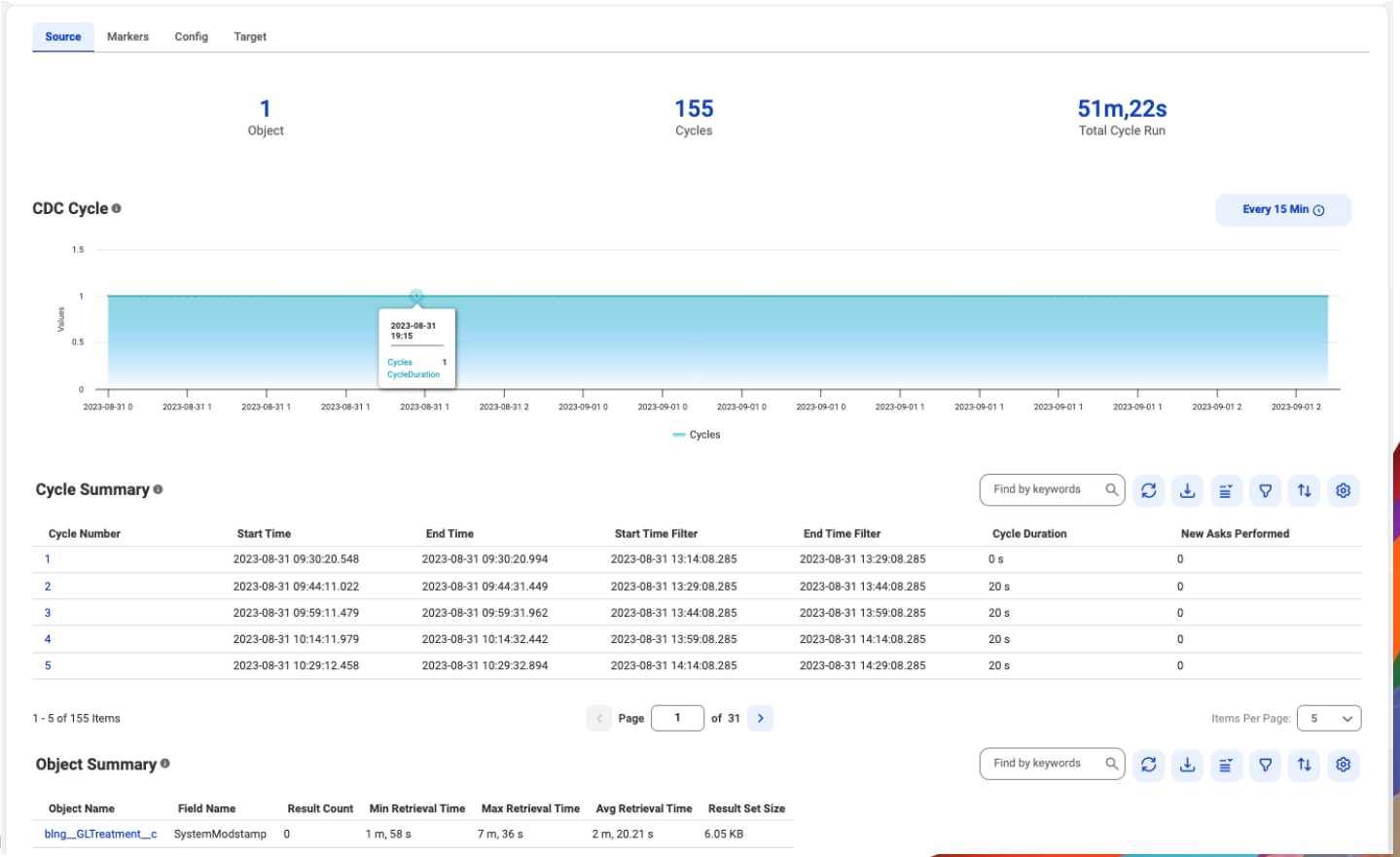
CDIR Analysis : APPMI Job Analysis

- **Source tab** shows the source level stats.
- Source tab shows extra details for Salesforce sources.



- Unload Task.
  - Shows how data was processed using Salesforce bulk query.
- CDC Tasks:
  - For CDC, data is moved in CDC cycles.
  - It shows each cycle duration and how many records were processed in each cycle.
  - Also provides an ‘Object level summary for the records processed.



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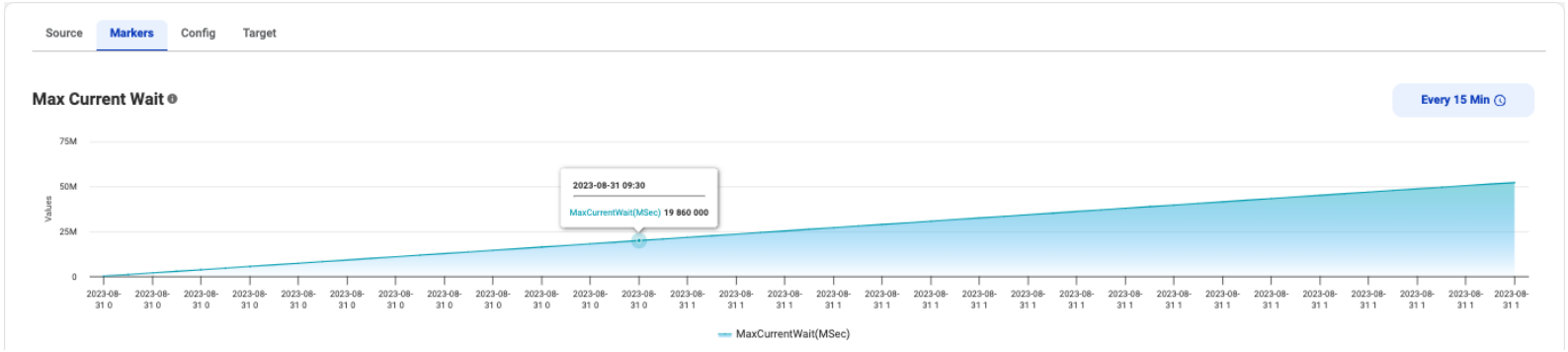
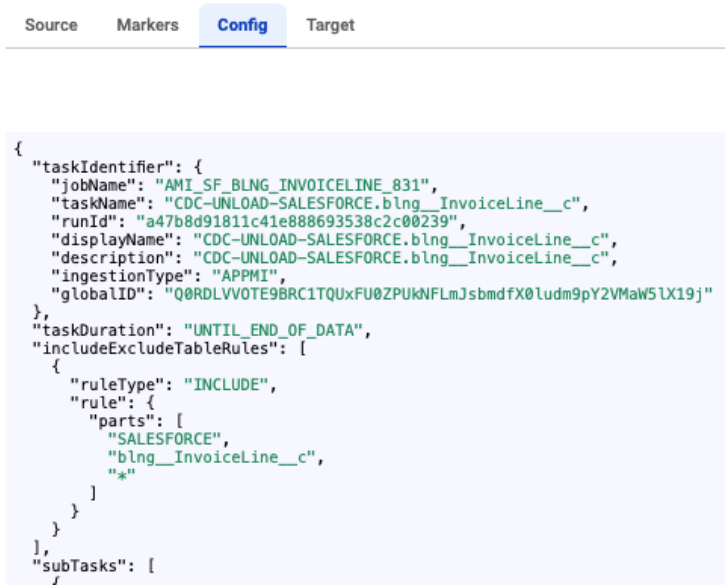
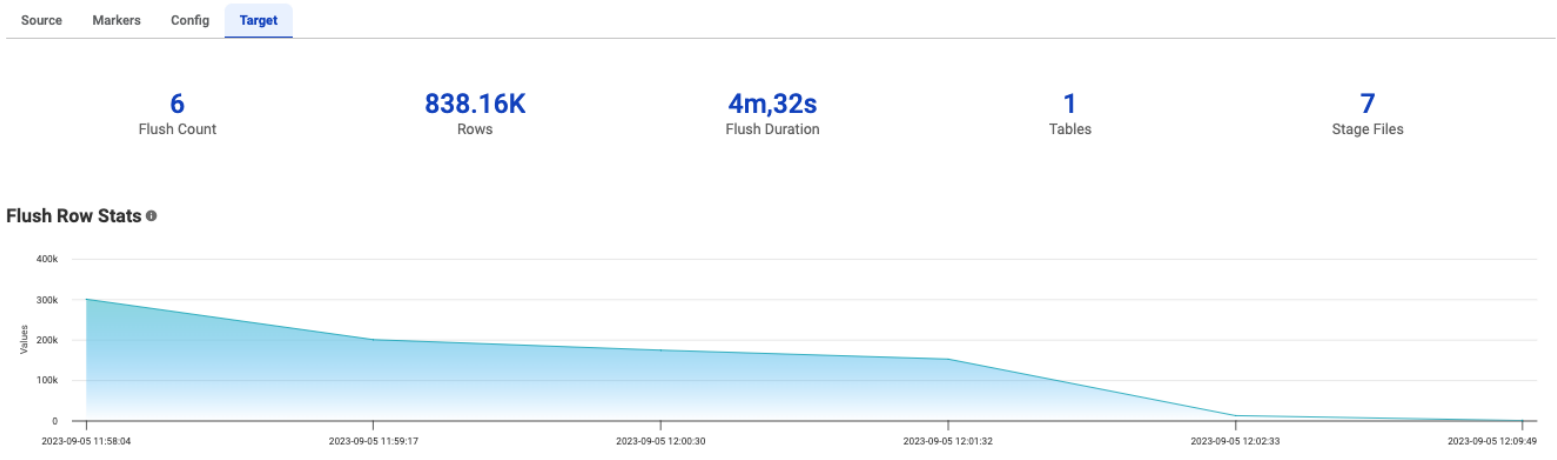
CDIR Analysis : APPMI Job Analysis

- **Marker, Config and Target tabs:** shows the data in same manner as a DBMI job.
- Available for both Unload & CDC tasks.







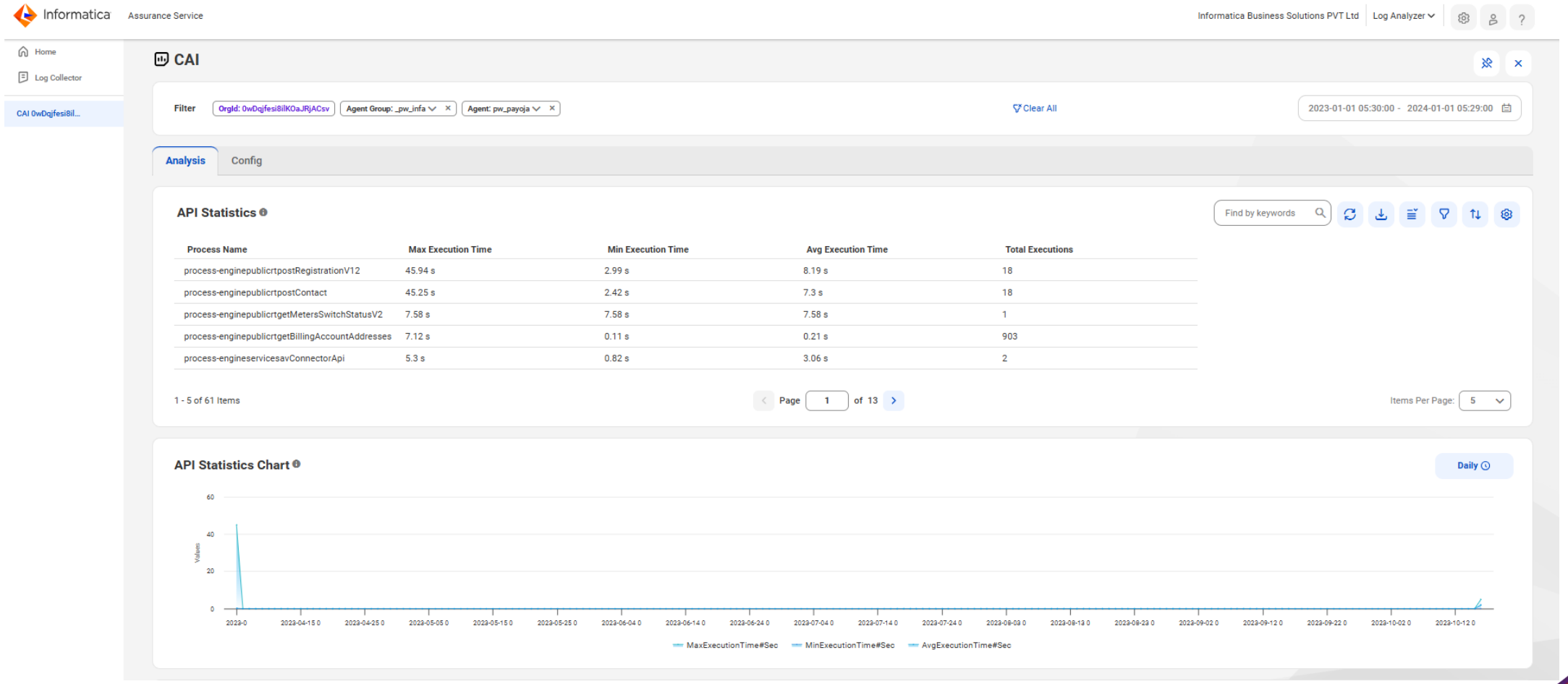
CAI Analysis

Supported Import Method: Local

Supported Log Types: CAI_App, CAI_Postgre and CAI_Accesslog

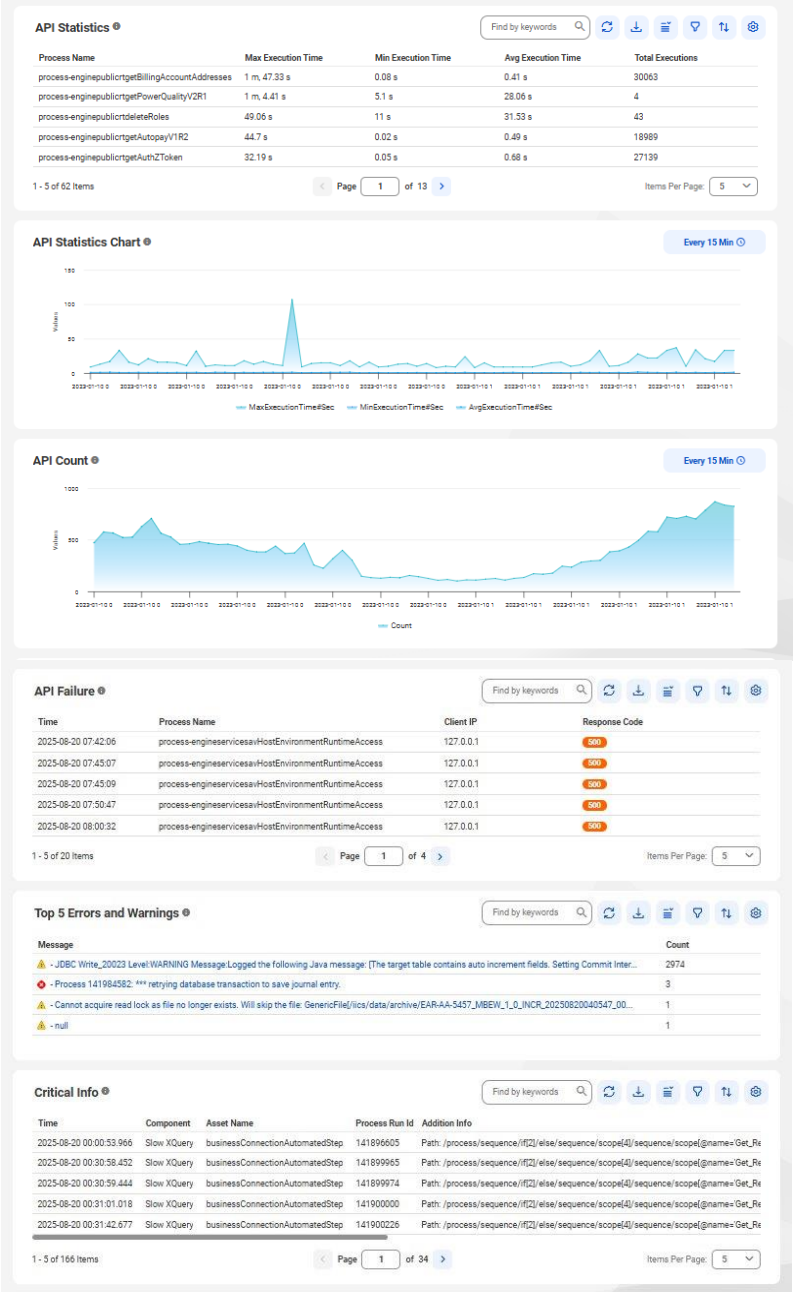
CAI Analysis

- CAI dashboard provides the collective analysis report for access, Catalina and postgre logs



CAI Analysis : Analysis tab

- Displays API performance metrics like response times and throughput.
- Tracks failed API calls, recurring errors, and critical events.
- Provides an overview of non-process engine API activity, including response times and success rates.



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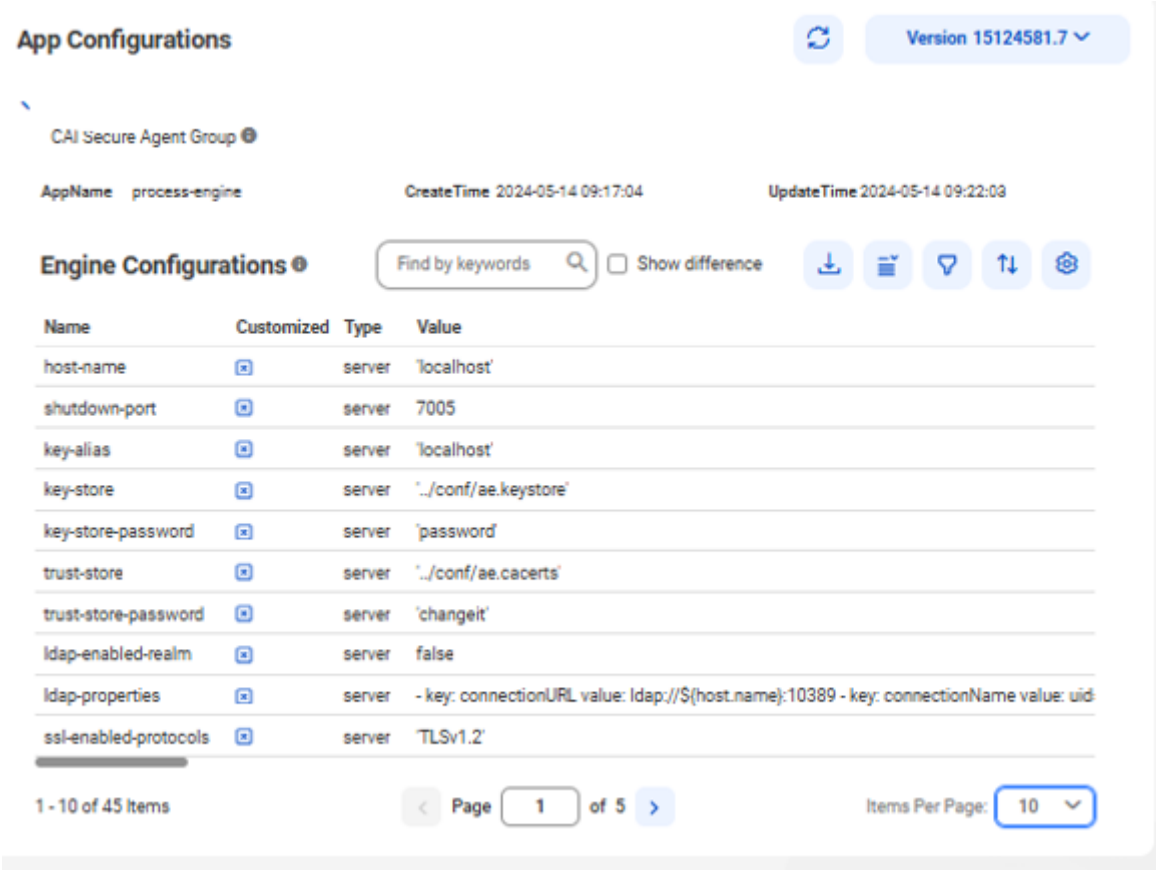
CAI Analysis : Config tab



App Config

- Centralizes configuration details of CAI applications for easy management.
- Tracks version history to monitor and audit configuration changes.

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IDMC Assurance Service Health Check

- *System and User Defined Health Checks*
- *Task Anomalous Behavior Detection*

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Assurance Service Health Check

Perform automated health check (Standard and User Customized) on the assets of your organization across certain Cloud services

Why?

Periodically run health check on your organization, at your own defined schedule, to identify best practices and performance related recommendations. Leverage the previous runs to understand how the organization has evolved over time.

- ✓ **Proactive System Monitoring**
  Helps organizations monitor overall IT system health, including performance, security, maintenance, and troubleshooting.
- ✓ **Early Problem Detection**
  Identifies common issues before they escalate into outages or service disruptions, enabling preventive actions.
- ✓ **Simplified Configuration**
  Comes with a predefined set of rules requiring minimal setup, making it easy to regularly assess system health.
- ✓ **Improves System Stability & Performance**
  Regular health checks contribute to optimal data quality, system reliability, and operational excellence.

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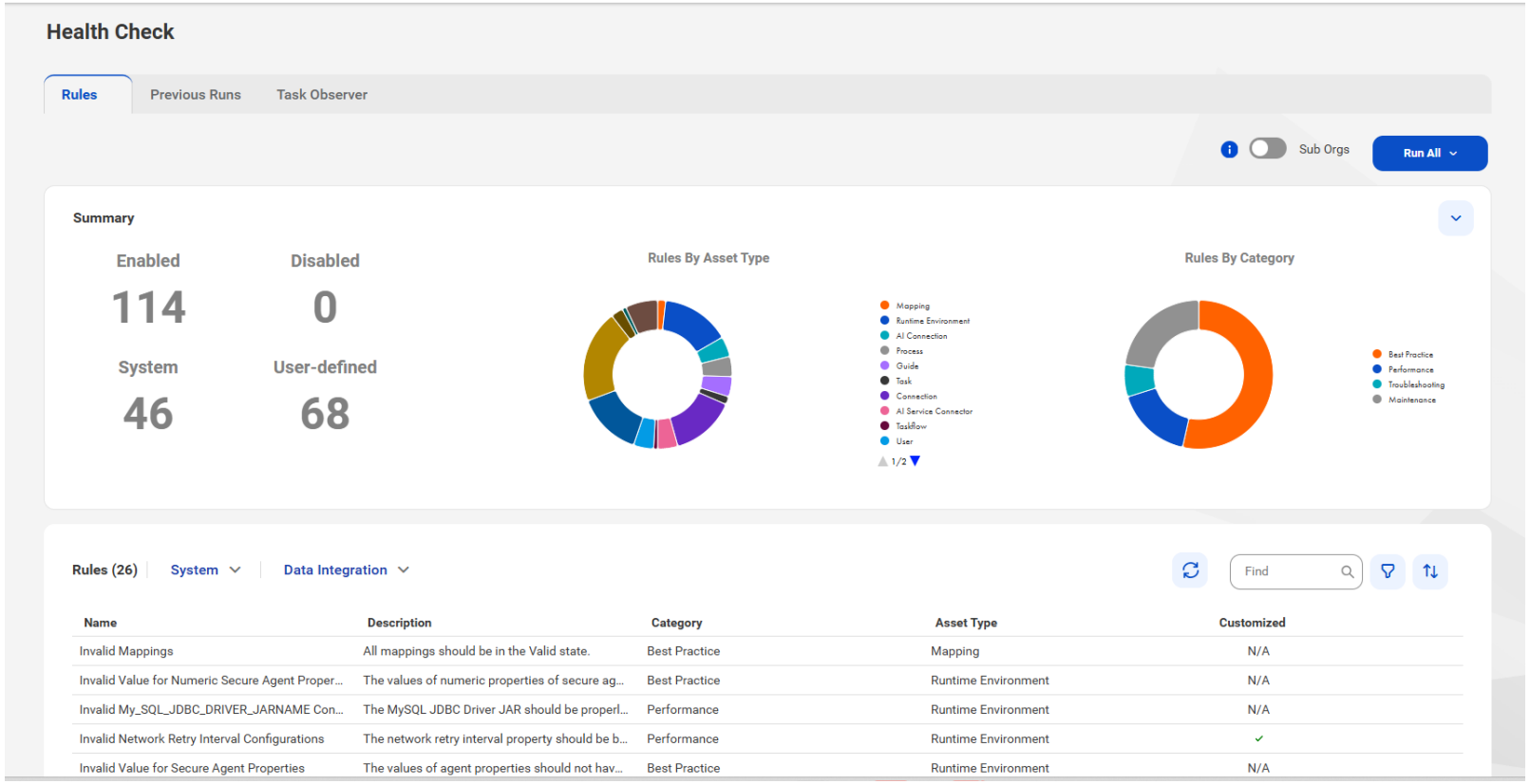
Predefined Health Check Rules



Multi Org Execution

- ✓ Ruck checks across all Child Orgs at once

Comprehensive Coverage and Checks

- ✓ Asset types like Tasks, Org Assets
- ✓ Coverage for CDI, CAI
- ✓ Best Practice, Performance, Maintenance

Predefined Rules

- ✓ Built-in rules target common configurations and conditions that impact system health

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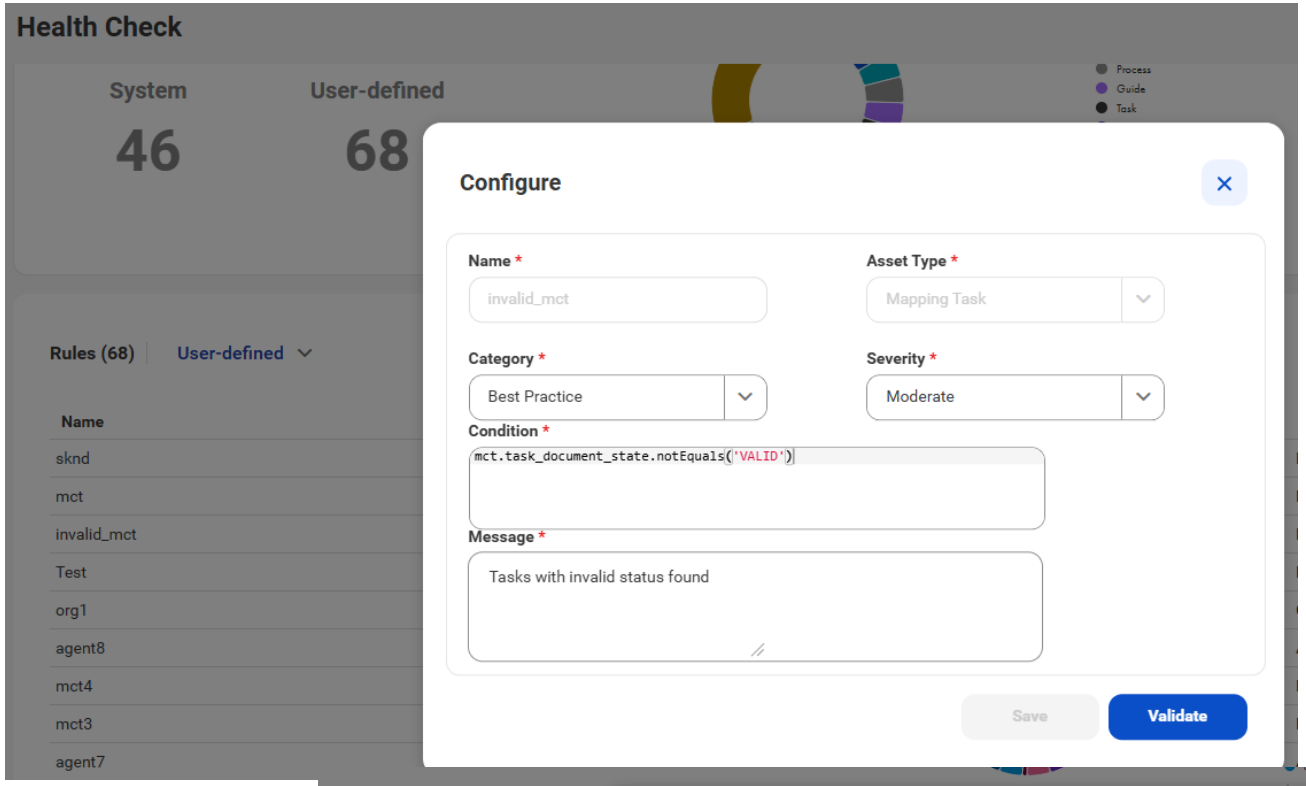
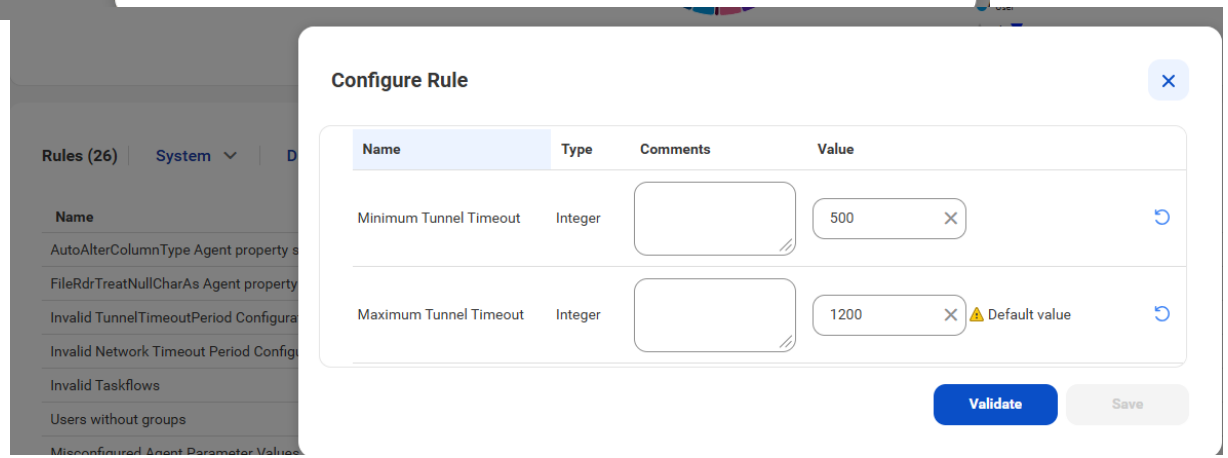
Customizable Rules



User defined health check rules



Tailored Configuration to meet specific Organizational Needs

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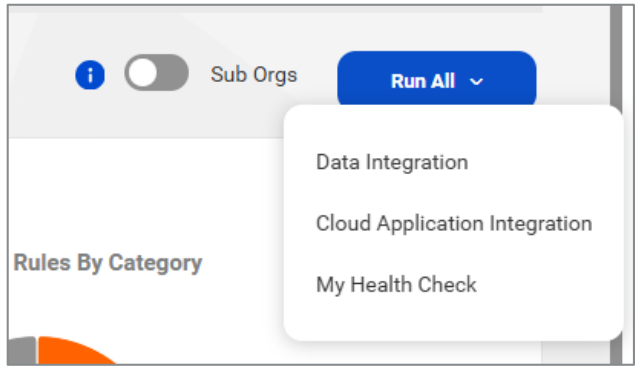
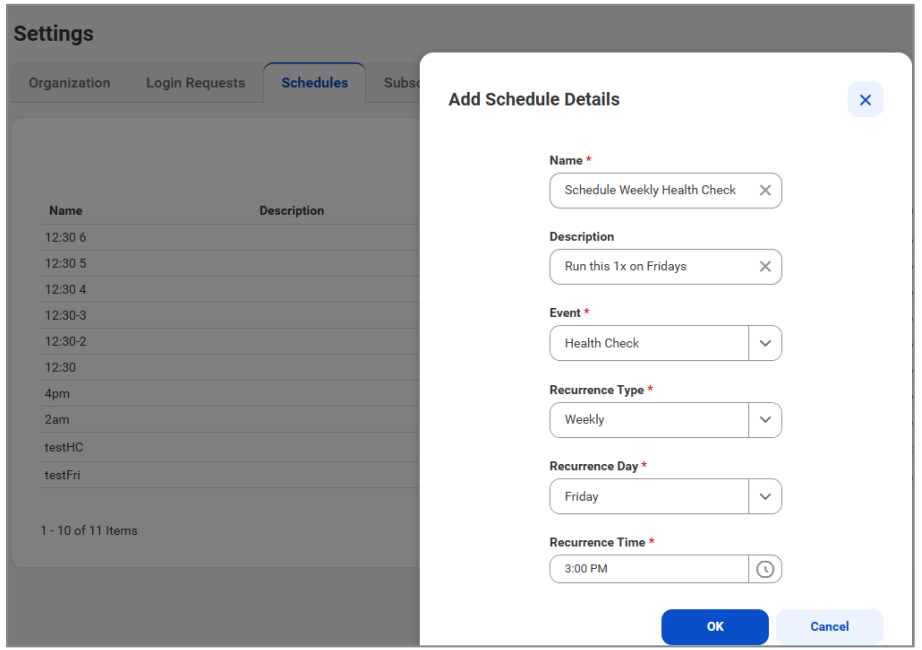
How do you execute Health Check

3 different ways!

Through In-App



Through Schedules



Through Rest API

Run Heath Check

Sample URL: https://IDMCassurance-na1.dm-us.informaticacloud.com/assure/public/v2/healthcheck/execute

258

Request body: Json

Additional Parameters:

Parameter	Type	Required	In	Description
icSessionId	String	Yes	Headers	Session Id of the Assurance org.

Request Body:

Attribute	Type	Values
runType	String	• All • Cloud Data Integration • Cloud Application Integration • My Health Check

Returns the run health check response, which contains the following attributes:

Field	Type	Description
executionId	String	Id of the execution
executionType	String	Type of the execution
executedOn	String	Start time of the run. Format: Epoch Value
runby	String	Name of the user who started the run
status	String	Status of the health check latest run

Sample Response:

```
{
  "executionId": "xxxxxxxxxx",
  "executionType": "Cloud Data Integration",
  "executedOn": "1669205352569",
  "runby": "USERNAME",
  "status": "Started"
}
```

Convenience Factor!!

Health Check supports alerts via Email, Microsoft Teams, and Slack, so you can receive notifications once it finishes executing

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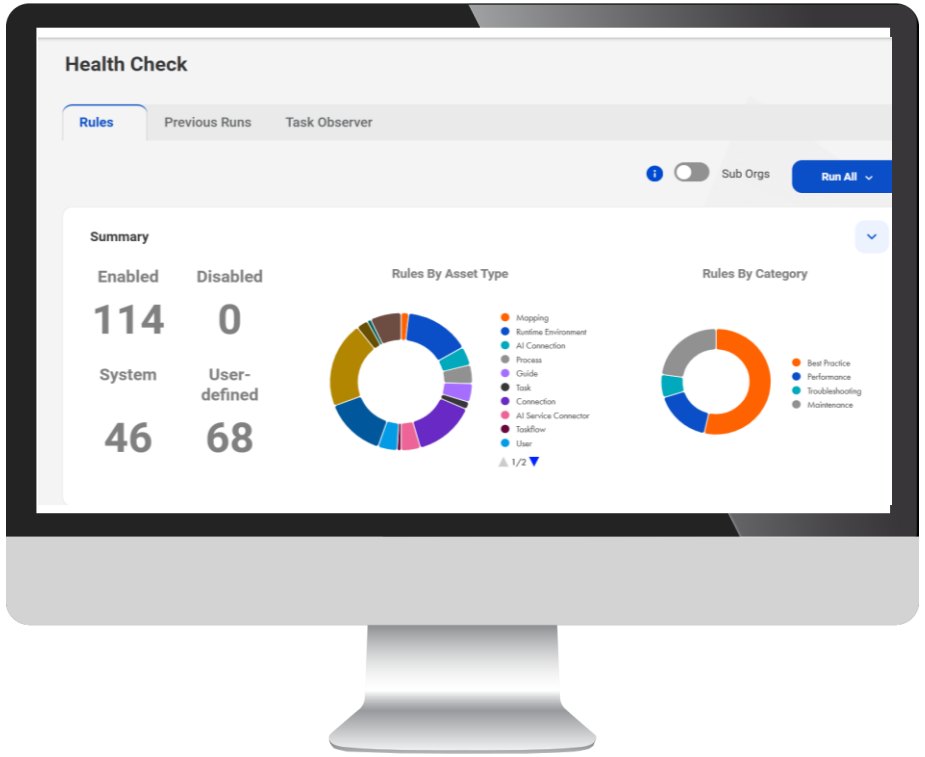
DEMO

- Health Check



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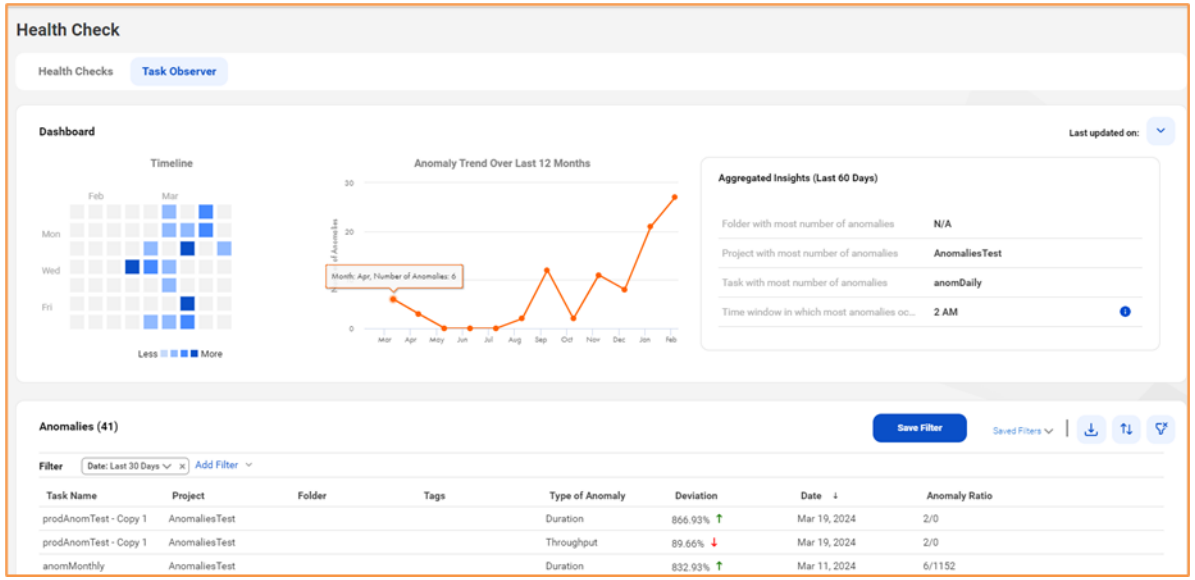
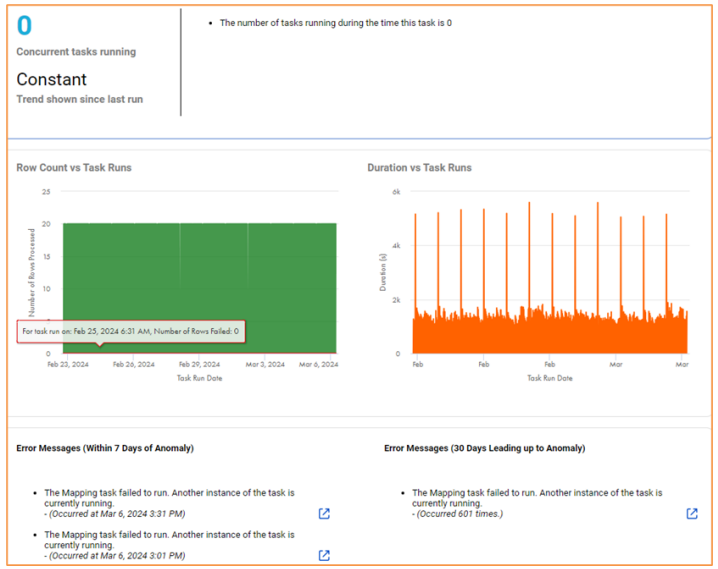
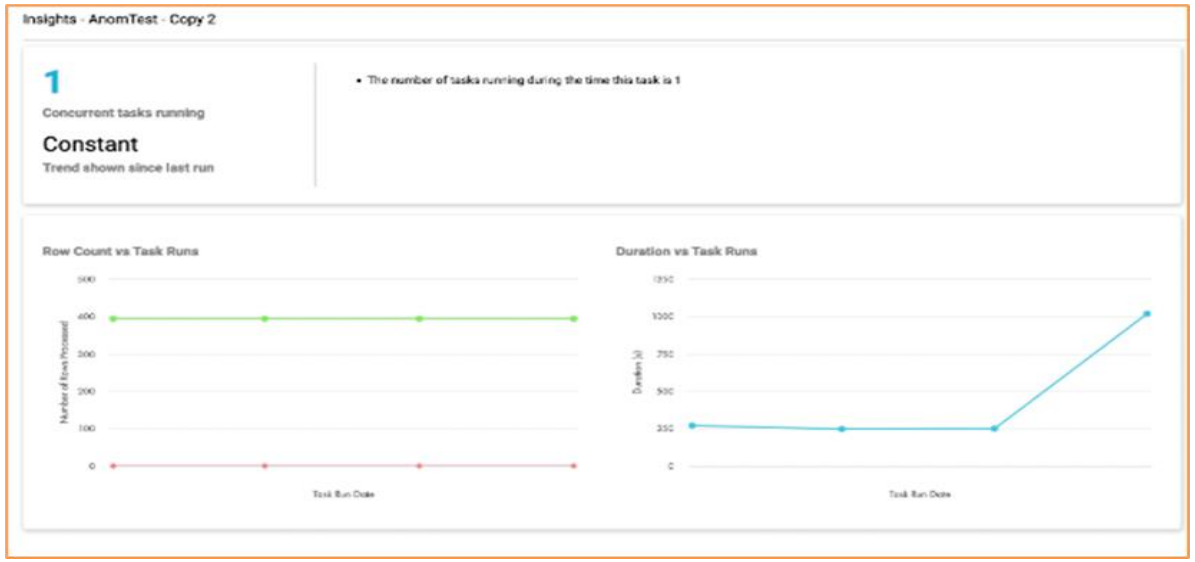
Task Observer

Workload anomalies of the tasks based-on performance KPIs like duration, throughput, volume processed etc.







Key Outcomes and Takeaways

- ✓ Improved operational stability.
- ✓ Minimized downtime due to faster identification of insights and remediations
- ✓ Improve visibility and better governance decisions.
- ✓ Focus your teams' attention on the most critical issues.
- ✓ Increase stakeholder confidence in your data environment.

Common FAQs

1. How do I get access to Health Check and Log Analyzer capabilities of Assurance Service?

These capabilities are available through the Assurance Service Enterprise Edition, through separate add-on licensed service. Please reach out to your CSM, or Renewals team (CloudAssurance@informatica.com) to discuss the options.

2. I see Health check, but don't see the Run button enabled?

Most likely a privilege issue. Try logging in as an Org Admin. Or ensure that the role of your user has the "Run Health check" privilege under the Assurance Service app.

3. Can I run the Health check for any Cloud Service?

As of now, you can run this for CDI (including Adv Data Integration and Serverless), CAI, and MDM SaaS. It will be supported for other services as and when we decide to onboard.

4. Does the service consume IPU?

No, Assurance Service is not on the IPU model

Useful Resources

- ❑ Data Sheet

https://www.informatica.com/content/dam/informatica-com/en/collateral/data-sheet/informatica-intelligent-cloud-services-assurance-package_data-sheet_3978en.pdf

- ❑ **Detailed User Guide** of all capabilities.

https://network.informatica.com/docs/DOC-18875

- ❑ Network/Blogs – Subscribe to get notifications

https://network.informatica.com/community/informatica-network/products/cloud-integration/cloud-assurance-service

- ❑ **Learning Path** – Simple, mini byte videos on the capabilities to learn at your own pace

https://success.informatica.com/learning-path/idmc-assurance-service.html

- ❑ Other Webinars in 2025

- Assurance Service – overall capabilities (March 2025): https://success.informatica.com/explore/tt-webinars/manage-idmc-environment-effectively-with-idmc-assurance-service-.html
- Mastering Asset management and upgrade analysis through Assurance (July 2025): https://success.informatica.com/explore/tt-webinars/mastering-asset-management-and-upgrade-analysis-with-assurance-s.html

Thank You!

Q&A

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