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Efficient Health Check and Automated Log Analysis with Assurance Service

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Where data & AI come to **LIFE**

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- 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.

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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

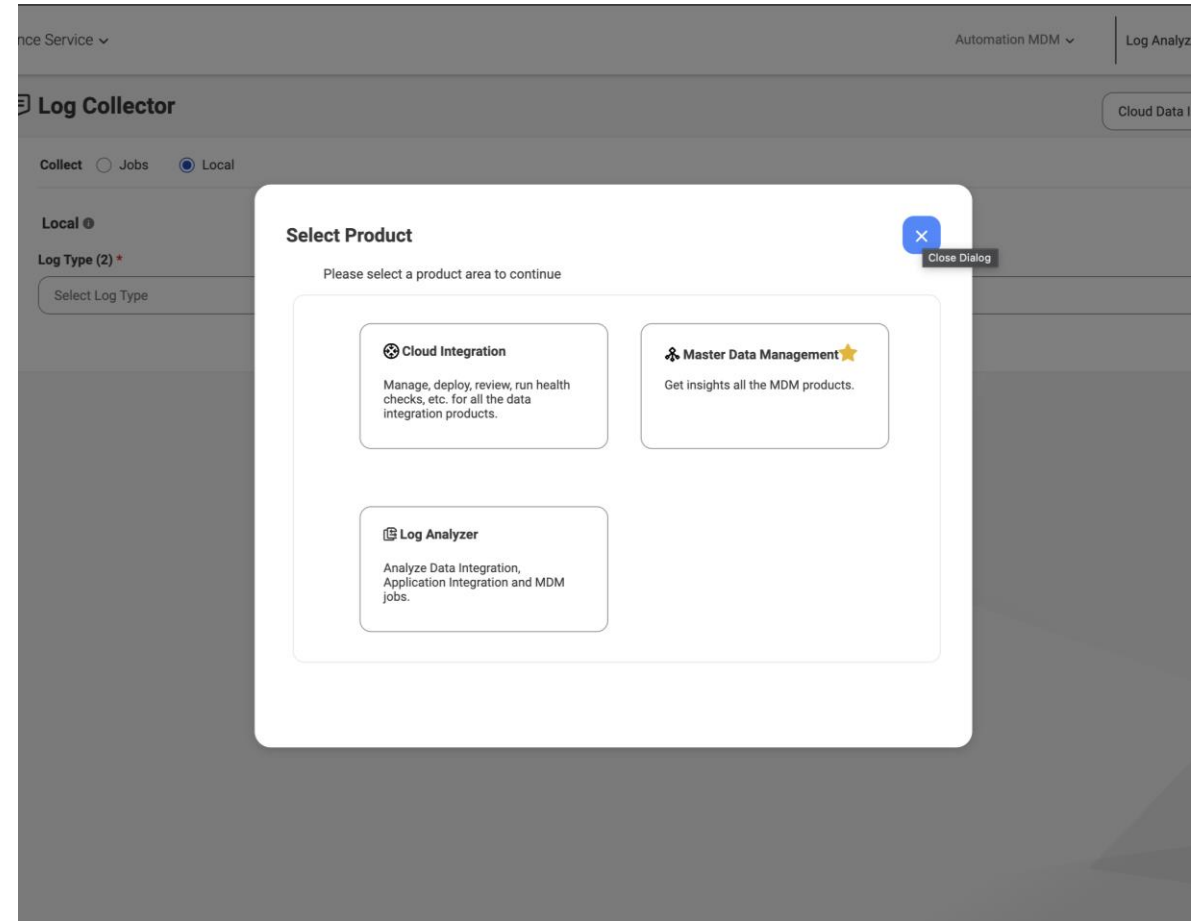
Supports continuous improvement and resiliency

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

Insurance Service Informatic

[Home](#)

Org Details

Region : AWS-USA Pod : iics-app1 Env :

193
Session

65
MDM Egress

56
MDM Ingress

4
Data Integrati...

2
Agent Core

2
Cai Access

Assets (325) Find by

Name	Type	Agent Name	Agent Group Name	Analysis Time
mt_m_Egress_Account_BE (60)	Session	GUEULVAXO40025	QA	2025-07-07 22:09:02
s_DQM_LDQM_ABC_QUALITY_CHECKS_SF (825)	Session	ua01303pk.abbvien...	ua01303pk.abbvien...	2025-04-29 21:43:15
SHARED_DEVICE_c_JU_IDL (8)	Session	awsisisaln42933.b...	DI	2025-04-29 21:42:39
mct_dummy (244)	Session	ip-10-109-68-248...	SAG_Merlin	2025-02-25 21:58:34
ms_egress_mct (543)	Session	-	azaidimdm	2025-02-20 04:43:36

1 - 5 of 325 Items Page 1 of 65

History (927) Find by

Name	Type	State	Upload Time	Start Time
mt_m_Egress_Account_BE_60.log	SESSION	Analyzed	2025-07-07 22:09:02	-
s_DQM_LDQM_ABC_QUALITY_CHECKS_SF_825 (1).log	SESSION	Analyzed	2025-04-29 21:43:14	-
SHARED_DEVICE_c_JU_IDL.log	SESSION	Analyzed	2025-04-29 21:42:38	-
s_MTT_ccx_asset_322.log	SESSION	Analysis Failed	2025-03-06 22:42:43	-
Ingress_mdm_01_(Updated)_New (1082260061625012224)	MDM_INGRESS	Analysis Failed	2025-03-06 03:17:02	3/5/2025, 11:15:07

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.

The screenshot displays two tables from the Log Analyzer interface. The top table, titled 'Assets (325)', lists various assets with columns for Name, Type, Agent Name, Agent Group Name, Analysis Time, Start Event, and End Event. The bottom table, titled 'History (927)', lists log files with columns for Name, Type, State, Upload Time, Start Time, and End Time. The State column in the History table uses color-coded labels: green for 'Analyzed' and red for 'Analysis Failed'.

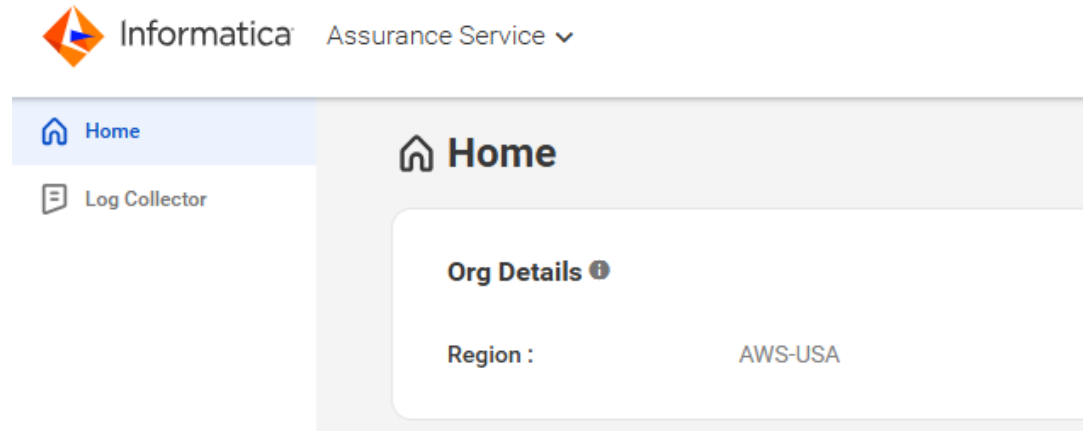
Name	Type	Agent Name	Agent Group Name	Analysis Time	Start Event	End Event
mt_m_Egress_Account_BE (60)	Session	GUEULVAXO40025	QA	2025-07-07 22:09:02	5/23/2025, 08:08:13	5/26/2025, 08:10:04
s_DQM_I_DQM_ABC_QUALITY_CHECKS_SF (825)	Session	ua01303pk.abbvien...	ua01303pk.abbvien...	2025-04-29 21:43:15	5/27/2023, 09:19:15	5/27/2023, 09:31:33
SHARED_DEVICE_c_JU_IDL (8)	Session	awsisisaln42933.b...	DI	2025-04-29 21:42:39	10/21/2024, 07:30:54	10/21/2024, 09:52:40
mct_dummy (244)	Session	ip-10-109-68-248...	SAG_Merlin	2025-02-25 21:58:34	2/26/2025, 05:34:25	2/26/2025, 05:34:43
ms_egress_mct (543)	Session	-	azaidimdm	2025-02-20 04:43:36	2/20/2025, 11:05:23	2/20/2025, 11:05:23

Name	Type	State	Upload Time	Start Time	End Time
mt_m_Egress_Account_BE_60.log	SESSION	Analyzed	2025-07-07 22:09:02	-	-
s_DQM_I_DQM_ABC_QUALITY_CHECKS_SF_825 (1).log	SESSION	Analyzed	2025-04-29 21:43:14	-	-
SHARED_DEVICE_c_JU_IDL.log	SESSION	Analyzed	2025-04-29 21:42:38	-	-
s_MTT_ccx_asset_322.log	SESSION	Analysis Failed	2025-03-06 22:42:43	-	-
Ingress_mdm_01_(Updated)_New (1082260061625012224)	MDM_INGRESS	Analysis Failed	2025-03-06 03:17:02	3/5/2025, 11:15:07	3/7/2025, 11:15:12

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

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

Log Collector interface showing a table of CDI Jobs (1030). The table columns are Instance Name, Asset Type, Status, Location, Start Time, End Time, Duration, and Subtasks. The Status column shows various states like Suspended and Failed.

Instance Name	Asset Type	Status	Location	Start Time	End Time	Duration	Subtasks
ms_egress_tf-1140043923601162...	TASKFLOW	Suspended	ms_jobs_project	2025-08-12 15:05:26	-	7 h, 2 m, 28 s	view (1)
ms_egress_tf-11398622047649013...	TASKFLOW	Suspended	ms_jobs_project	2025-08-12 03:05:29	-	19 h, 2 m, 25 s	view (1)
ms_egress_tf-11344264113469440...	TASKFLOW	Failed	ms_jobs_project	2025-07-28 03:05:34	2025-08-12 01:09:56	2 w, 22 h, 4 m	view (1)
ms_egress_tf-11346076014587248...	TASKFLOW	Failed	ms_jobs_project	2025-07-28 15:05:33	2025-08-12 01:08:03	2 w, 10 h, 2 m	view (1)
ms_egress_tf-11396809977081282...	TASKFLOW	Suspended	ms_jobs_project	2025-08-11 15:05:24	-	1 d, 7 h, 2 m	view (1)
ms_egress_tf-11394998086994329...	TASKFLOW	Suspended	ms_jobs_project	2025-08-11 03:05:26	-	1 d, 19 h, 2 m	view (1)
ms_egress_tf-11340640427038392...	TASKFLOW	Failed	ms_jobs_project	2025-07-27 03:05:42	2025-08-11 01:13:49	2 w, 22 h, 8 m	view (1)
ms_egress_tf-11342452022206110...	TASKFLOW	Failed	ms_jobs_project	2025-07-27 15:05:30	2025-08-11 01:10:03	2 w, 10 h, 4 m	view (1)
ms_egress_tf-11399186074601553...	TASKFLOW	Suspended	ms_jobs_project	2025-08-10 15:05:24	-	2 d, 7 h, 2 m	view (1)
ms_egress_tf-11391374691144744...	TASKFLOW	Suspended	ms_jobs_project	2025-08-10 03:05:37	-	2 d, 19 h, 2 m	view (1)
ms_egress_tf-11338828183665213...	TASKFLOW	Failed	ms_jobs_project	2025-07-26 15:05:31	2025-08-10 01:15:08	2 w, 10 h, 9 m	view (1)
ms_egress_tf-11337016273110179...	TASKFLOW	Failed	ms_jobs_project	2025-07-26 03:05:32	2025-08-10 01:13:28	2 w, 22 h, 7 m	view (1)
ms_egress_tf-11389562045118464...	TASKFLOW	Suspended	ms_jobs_project	2025-08-09 15:05:20	-	3 d, 7 h, 2 m	view (1)
ms_egress_tf-11387750386850734...	TASKFLOW	Suspended	ms_jobs_project	2025-08-09 03:05:27	-	3 d, 19 h, 2 m	view (1)
ms_egress_tf-11335204411712348...	TASKFLOW	Failed	ms_jobs_project	2025-07-25 15:05:34	2025-08-09 01:07:40	2 w, 10 h, 2 m	view (1)

Jobs

- Import logs based on job instances or asset names.

Log Collector interface showing the Local import method. The 'Local' tab is selected, and the 'Log Type (2)' dropdown is open, showing options like SESSION and DI_APP.

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 | mt_Merlin_IOD_MT_Task_Session_Attr
View Logs ✕

Asset Details ▼

Asset Name :	mt_Merlin_IOD_MT_Task_Session_Attr	Run Id :	5812	Start Time :	2025-09-11 19:06:04
End Time :	2025-09-11 19:07:02	Run Time :	58 s	Status :	Success
Serverless :	☑	Error Count :	1		

Config ▼

Lookup Caches :	0	High Precision :	true	Commit Type :	Target
On Demand Caches :	0	Buffer Pool Size :	61241584	Commit Interval :	10000
Time Zone :	UTC +0:0	Buffer Block Size :	3400088	Sort Order :	Binary
Pdo Type :	Full	Concurrent Pipelines :	0	Code Page :	UTF-8 encoding of Unicode

1 Load Orders	3 Threads	1 Readers	1 Writers	1 Targets	1 PDO Instances
-------------------------	---------------------	---------------------	---------------------	---------------------	---------------------------

Summary 3 Transformation 2 Commit Stats PDO Commands Pre/Post SQLs

Performance Summary Find by keywords

Load Order	Concurrent Set	Stage	Partition Points	Thread Id	Total Time	Idle	Busy ↓
> 1	1	transformation	src_EDW_RS_IOD_MT_Task_Session_Attr	TRANSF_1_1_1	0 s	0 s	0
1	1	write	iod_mt_task_session_attr	WRITER_1_*_1	0 s	0 s	0
1	1	read	src_EDW_RS_IOD_MT_Task_Session_Attr	READER_1_1_1	0 s	0 s	0

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.

Summary **3** Transformation **3** Commit Stats PDO Commands Pre/Post SQLs

SaaS Run Stats ⓘ

Task Flow Name :	-	Task Type :	MTT
State :	COMPLETED	Queue Size :	1
Map Gen :	true	Cached Mapping :	true
Dynamic Mapping :	false	Dispatch Time :	2025-02-18 22:01:12
Map Gen Completion Time :	2025-02-18 22:01:16	Queued Time :	2025-02-18 22:01:17
Start Time :	2025-02-18 22:01:20	End Time :	2025-02-18 22:04:51
Duration :	3 m, 39 s	Monitor Id :	010B2Z0E000000015W6H 🔗
Correlation Id :	ZDkxNzEzMGQtOWVhOC00ZD 🔗	Request Id :	4l04kOk2Ib7kP3fw97JcSn 🔗

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.

The screenshot displays the Informatica session analysis interface for a PDO. It is divided into three main sections:

- Config:** A table of configuration parameters for the PDO.

Lookup Caches :	4	High Precision :	true	Commit Type :	Target
On Demand Caches :	4	Buffer Pool Size :	23644336	Commit Interval :	10000
Time Zone :	UTC +0:0	Buffer Block Size :	1311352	Sort Order :	Binary
Pdo Type :	Full	Concurrent Pipelines :	0	Code Page :	ISO 8859-1 Western Europe...
- Performance Metrics:** A row of eight metrics, each with a large blue number and a label below it:
 - Load Orders: 4
 - Threads: 5
 - Readers: 10
 - Writers: 4
 - Targets: 5
 - Joiners: 2
 - Lookups: 4
 - Sorters: 4
- PDO Evaluation Stats:** A section with tabs for Summary (5), Transformation (24), Commit Stats, PDO (selected), Commands, and Pre/Post SQLs. It shows a "Failed" status with a red error message: "[Source level sort is not supported for SQL ELT optimization.]" and the following details:

Status :	Failed	Start Time :	2024-11-10 07:27:07.450	End Time :	2024-11-10 07:27:09.955
Total Run Duration :	2 s				

Session Analysis

Pre/Post SQL

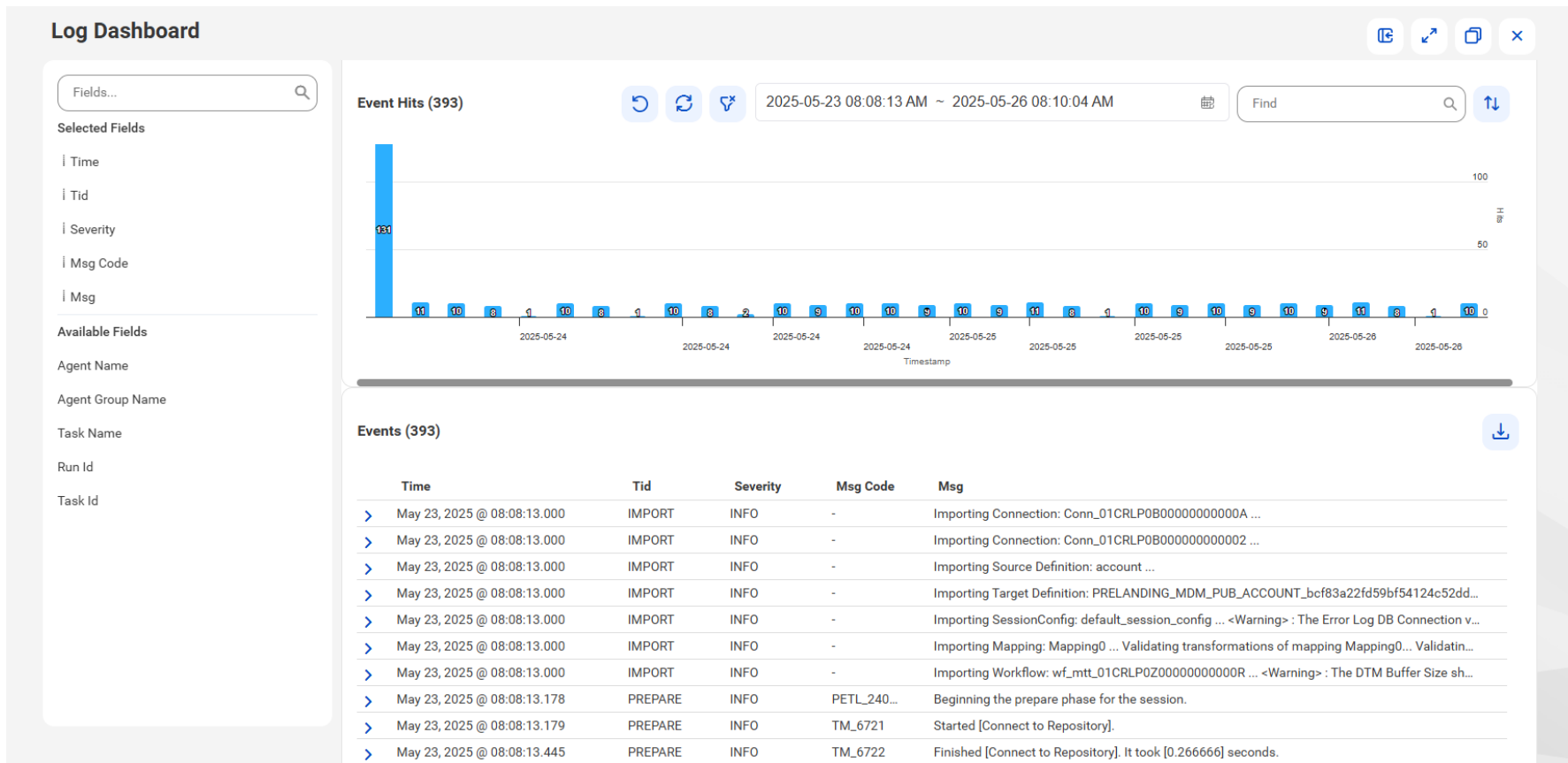
- Provides information regarding runtime of pre and post SQLs.
- Lists the runtime and the SQL query that is run and helps to identify the queries taking more time to run.

Table Name	Start Time ↑	End Time	Duration
src_MDM	2024-11-20 04:26:50.000	2024-11-20 04:32:14.000	🕒 5 m, 24 s
src_topic_load_hist	2024-11-20 14:10:05.000	2024-11-20 14:10:05.000	🕒 0 s

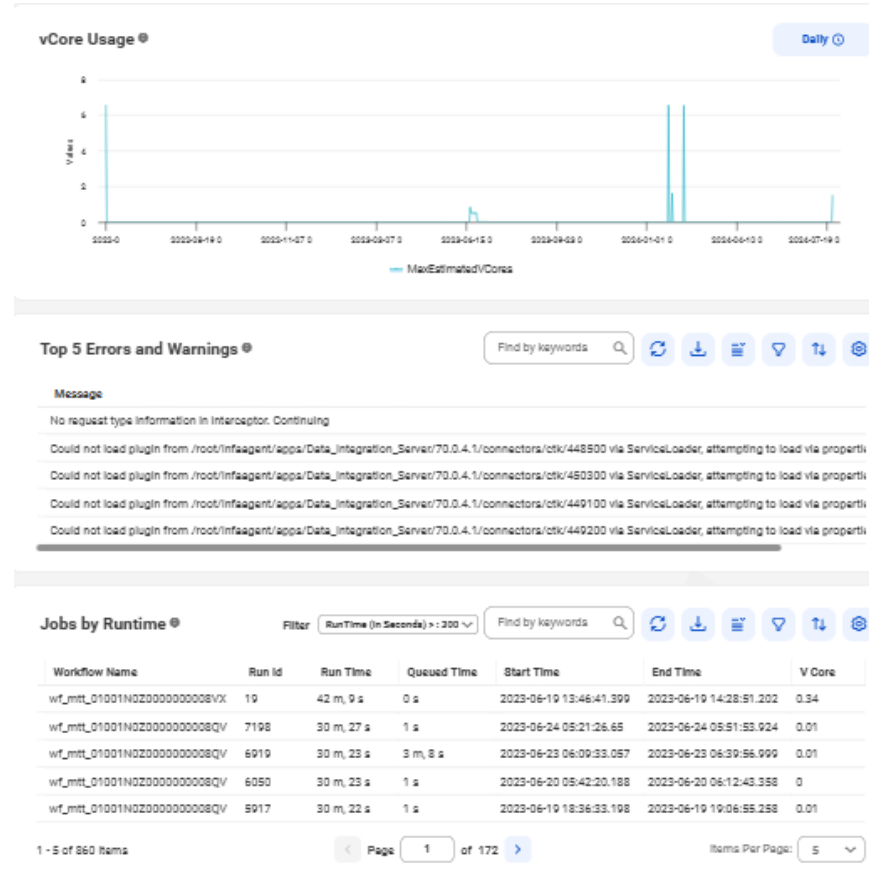
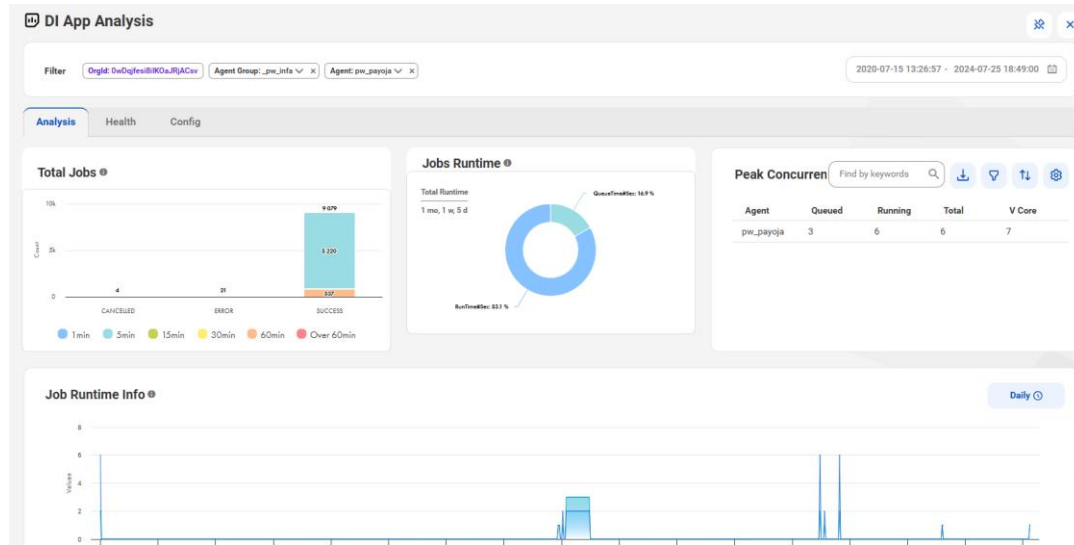
Session Analysis

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.

The screenshot displays the 'DI App Analysis' web interface. At the top, there is a filter bar with the following values: 'Orgl: Dwdqfes8IK0a_RJAcsv', 'Agent Group: SAG_Merlin', and 'Agent: ip-10-109-68-24.us-west-2.comp...'. A date range of '2022-05-11 16:32:44 - 2022-05-11 16:48:44' is also visible. The interface has three tabs: 'Analysis', 'Health', and 'Config', with 'Config' being the active tab. Below the tabs, there are two main sections: 'Agent Configurations' and 'App Configurations'. The 'Agent Configurations' section shows a version of '62.0.5.1' and details for the agent 'ip-10-109-68-24.us-west-2.compute.internal' with sub-sections for 'CPU Info', 'Configurations', and 'Loaded Plugins'. The 'App Configurations' section shows a version of '71.0.3' and details for the application 'ip-10-109-68-24.us-west-2.compute.internal'. Below this, there is a table for 'Engine Configurations' with columns for 'Name', 'Customized', 'Tune', 'Value', and 'Default Value'. The table is currently empty. At the bottom right of the 'App Configurations' section, there is a search bar 'Find by keywords', a 'Show difference' checkbox, and several utility icons (download, list, refresh, settings).

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).

The screenshot displays the DBMI Agent Dashboard with the following sections:

- Errors**: Shows the Top 10 Errors. The first error is "Specified [bin] dir under DBMEXT_DIR directory: [\\infa\\infaagent\\apps\\Database_Ingestion\\ext\\bin] is INVALID. This directory will NOT be added to..." with an occurrence of 1. The second error is "purgeQueue failed with null" with an occurrence of 1.
- Available TaskUnits**: A line graph showing the distribution of available task units over time. The y-axis represents values from 0 to 15, and the x-axis shows timestamps from 2024-07-24 16:29:28 to 2024-07-24 16:52:06. The graph shows a peak of approximately 10 units around 16:30:00, followed by a steady decline to about 5 units by 16:40:00, and then remains relatively stable around 5 units until 16:52:06.
- Job Summary**: A table listing jobs with columns for Job Name, Job Id, Job Type, and Task Count.

Job Name	Job Id	Job Type	Task Count
DBMI_WTR_RMS_RMSOWNER_INCR_1413	1413	DBMI	2
DBMI_JLFinance_APPLSYS_INCR_V2_1388	1388	DBMI	2
DBMI_JL_WMS_2019_PSADBA_INCR_1439	1439	DBMI	2
DBMI_JLFinance_AP_GRP2_INCR_V2_1386	1386	DBMI	2
DBMI_JLFinance_XLE_INCR_V2_1398	1398	DBMI	2
- Task Summary**: A table listing tasks with columns for Job Name, Task Type, Task Name, and Run Id.

Job Name	Task Type	Task Name	Run Id
DBMI_JLFinance_APPLSYS_INCR_V2_1388	CDC	CDC-APPLSYS	36458
DBMI_JLFinance_APPLSYS_INCR_V2_1388	CDC	CDC-APPLSYS	36578
DBMI_JLFinance_AP_GRP2_INCR_V2_1386	CDC	CDC-AP	36455
DBMI_JLFinance_AP_GRP2_INCR_V2_1386	CDC	CDC-AP	36585
DBMI_JLFinance_PO_INCR_V2_1389	CDC	CDC-PO	36464

CDIR Analysis : DBMI Agent Config tab

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

Agent Configurations Version 501.2.1 ▾

▼ pwx_vm
01_pwx_vm ⓘ

▼ **DBMI Debug Level**

TRACE ⓘ

Find 🔍 ⬆️ ⬇️

▼ **Agent Properties**

Dbmi.agent.fetch.subtasks :	true ⓘ	Dbmi.agent.post.capacity.to.cloud :	true ⓘ
Dbmi.writer.targets.proxy.enabled :	false ⓘ	Dbmi Agent.Dbmi ICSService Port :	11447 ⓘ
Dbmi Agent.Heartbeat Interval :	30 ⓘ	Dbmi Agent.Heartbeat Stalled Timeout :	60 ⓘ
Dbmi Agent.Heartbeat Timeout :	300 ⓘ	Dbmi Agent.Intermediate Storage.Backup Directory :	ⓘ
Dbmi Agent.Intermediate Storage.Directory :	ⓘ	Dbmi Agent.Intermediate Storage.Properties :	ⓘ

[Show More](#)

▼ **System Environment**

_ :	/infa/infaagent/apps/jdk/zulu8.70.0.52-sa-fx-j... ⓘ	ACTIVE_CONF_DIR :	/infa/infaagent/apps/Database_Ingestion/con... ⓘ
ACTIVE_LOG_CONF_DIR :	/infa/infaagent/apps/Database_Ingestion/con... ⓘ	ACTIVE_LOG_CONFIG :	/infa/infaagent/apps/Database_Ingestion/con... ⓘ
AGENT_CORE_MEMORY :	-Xms64m -Xmx1g ⓘ	AGENT_CREDENTIAL_STORE :	/infa/infaagent/apps/agentcore/../../apps/age... ⓘ
AGENT_DOWNLOAD_DIR :	/infa/infaagent/downloads ⓘ	AGENT_ID :	0100Y408000000000008 ⓘ
AGENT_JAVA_HOME :	/infa/infaagent/apps/jdk/zulu8.70.0.52-sa-fx-j... ⓘ	AGENT_JDK_HOME :	/infa/infaagent/apps/jdk/zulu8.70.0.52-sa-fx-j... ⓘ

[Show More](#)

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

The screenshot shows the 'DBMI Job | cdc_dw_bi_ods_tables_1852' interface. The 'Job Summary' section indicates the job is 'SUCCESSFUL' with a duration of '3 mo, 2 w, 3 d', source 'ORACLE', and target 'SNOWFLAKE'. It also shows '5 Unload Tasks, 4 CDC Tasks'. The 'Unload' tab is active, displaying a table of 5 tasks. The table has columns for Task Name, Task Id, Start Time, End Time, and Errors. The first task, 'BI.ATR_SUPERV_EST', is highlighted and shows 4 errors.

Task Name	Task Id	Start Time	End Time	Errors
BI.ATR_SUPERV_EST	c55d544908f4455fa36a96e787f8bee6	2025-02-28 15:42:20.16	2025-02-28 18:29:58.199	4
BI.ATR_SUPERV_EST	c55d544908f4455fa36a96e787f8bee6	2025-02-28 18:30:00.224	2025-02-28 21:15:36.148	0
BI.AVISOS_RENOVACION	cec0ccac15914b5b9141ac73277fc74f	2025-02-28 14:41:31.113	2025-02-28 15:25:30.698	4
BI.MOV_SINIESTRO_DANA	3dea81065e3240d4a4182c12fa790323	2025-02-28 15:02:08.948	2025-02-28 15:02:44.605	4
BI.AGENTE	d35fa675992948ce898e369910606420	2025-02-28 14:42:49.914	2025-02-28 14:43:55.367	4

The screenshot shows the 'Source' tab of the task details. It displays a table with columns for Estimated Row Size, Fetch Size, Records Read, Read Time, Partition Time, Query Execution Time, and Unload Query. The first row shows 1.29 KB estimated row size, 1515 fetch size, 20676865 records read, 42 m, 7.99 s read time, 42 m, 8.54 s partition time, and 0.17 s query execution time. The unload query is 'SELECT *COD_CIA, *COD_PRODUCTO, *NUM_POLIZA, *FO'.

Estimated Row Size	Fetch Size	Records Read	Read Time	Partition Time	Query Execution Time	Unload Query
1.29 KB	1515	20676865	42 m, 7.99 s	42 m, 8.54 s	0.17 s	SELECT *COD_CIA, *COD_PRODUCTO, *NUM_POLIZA, *FO

CDIR Analysis : DBMI Job Analysis

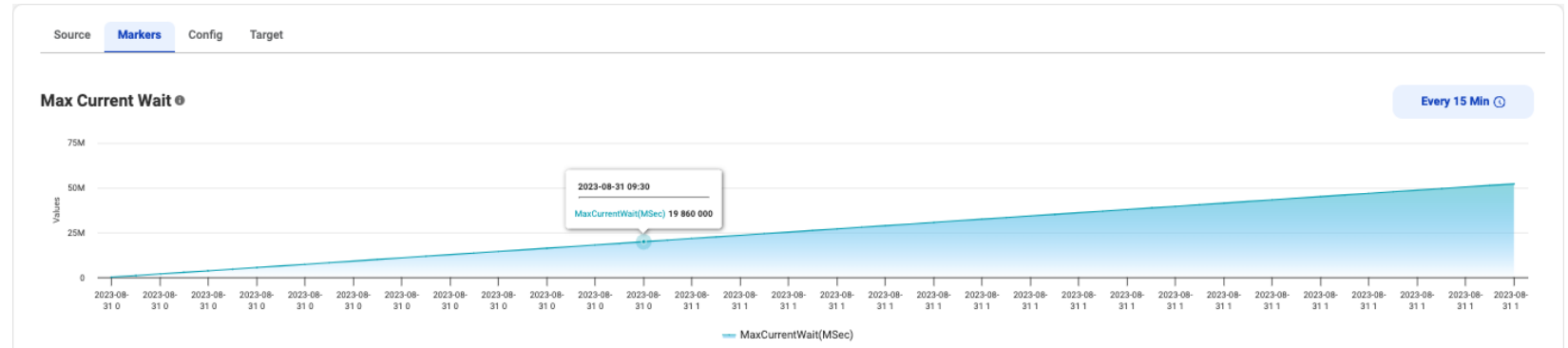
- **Source tab:** Shows the source related data for the selected task.
- Details can vary based on the source and task type.

Estimated Row Size	Fetch Size	Records Read	Read Time	Partition Time	Query Execution Time	Unload Query
1.29 KB	1515	20676865	42 m, 7.99 s	42 m, 8.54 s	0.17 s	SELECT 'COD_CIA', 'COD_PRODUCTO', 'NUM_POLIZA', 'FCF'

- 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.

Details

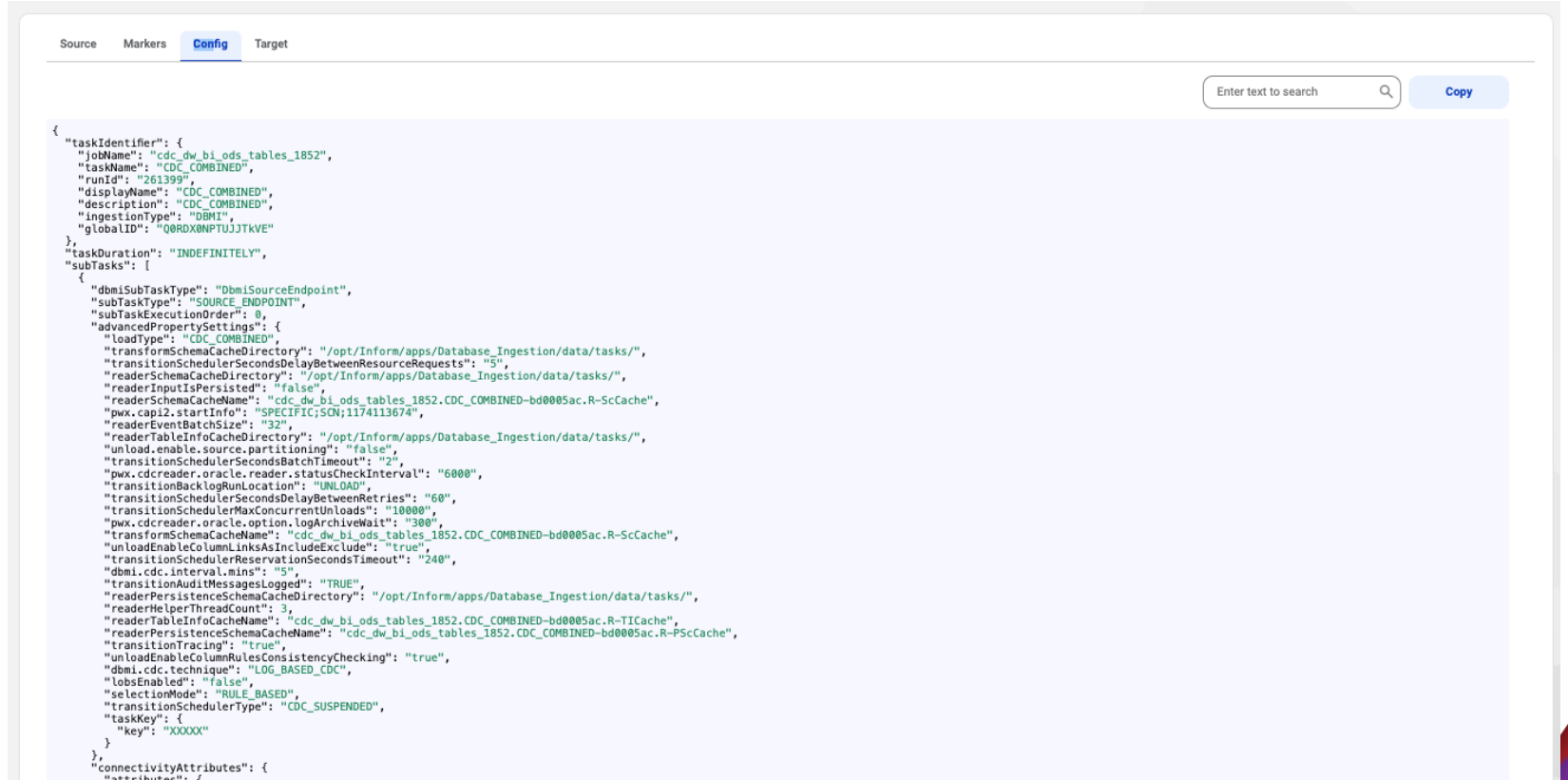
Find by keywords

Timestamp	Type	Annotation
2025-02-28 20:53:50.017	UNLOAD_STARTED	<pre>{"task_name":"CDC-UNLOAD-BI.CALIDAD_AGENTE", "run_id":"ce97ba4611d44e268b48b0372a451348", "job_name":"cdc_dw_bi_ods_tables_1852", "marker_type":"UNLOAD_STARTED", "unload_point":"177134653368", "table_identifier":["BI","CALIDAD_AGENTE"], "position_type":"CURRENT_END_OF_LOG", "attempt":"0", "position_value":"177134653368", "timestamp":"1740772429921"}</pre>
2025-02-28 20:53:52.989	UNLOAD_COMPLETED	<pre>{"task_name":"CDC-UNLOAD-BI.CALIDAD_AGENTE", "run_id":"ce97ba4611d44e268b48b0372a451348", "job_name":"cdc_dw_bi_ods_tables_1852", "marker_type":"UNLOAD_COMPLETED", "recoverable":"false", "unload_point":"177134653368", "table_identifier":["BI","CALIDAD_AGENTE"], "position_type":"CURRENT_END_OF_LOG", "attempt":"0", "position_value":"177134653368", "timestamp":"1740772432964"}</pre>

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.



```
Source  Markers  Config  Target

Enter text to search  Copy

{
  "taskIdentifier": {
    "jobName": "cdc_dw_bi_ods_tables_1852",
    "taskName": "CDC_COMBINED",
    "runId": "261399",
    "displayName": "CDC_COMBINED",
    "description": "CDC_COMBINED",
    "ingestionType": "DBMI",
    "globalID": "Q0RDX0NP7UJJTKVE"
  },
  "taskDuration": "INDEFINITELY",
  "subTasks": [
    {
      "dbmiSubTaskType": "DbmiSourceEndpoint",
      "subTaskType": "SOURCE_ENDPOINT",
      "subTaskExecutionOrder": 0,
      "advancedPropertySettings": {
        "loadType": "CDC_COMBINED",
        "transformsSchemaCacheDirectory": "/opt/Inform/apps/Database_Ingestion/data/tasks/",
        "transitionSchedulerSecondsDelayBetweenResourceRequests": "5",
        "readersSchemaCacheDirectory": "/opt/Inform/apps/Database_Ingestion/data/tasks/",
        "readerInputIsPersisted": "false",
        "readersSchemaCacheName": "cdc_dw_bi_ods_tables_1852.CDC_COMBINED-bd0005ac.R-ScCache",
        "pxw_capi2_startInfo": "SPECIFIC;SCN;1174113674",
        "readerEventBatchSize": "32",
        "readerTableInfoCacheDirectory": "/opt/Inform/apps/Database_Ingestion/data/tasks/",
        "unload.enable.source.partitioning": "false",
        "transitionSchedulerSecondsBatchTimeout": "2",
        "pxw.cdcreader.oracle.reader.statusCheckInterval": "6000",
        "transitionBacklogRunLocation": "UNLOAD",
        "transitionSchedulerSecondsDelayBetweenRetries": "60",
        "transitionSchedulerMaxConcurrentUnloads": "10000",
        "pxw.cdcreader.oracle.option.logArchiveWait": "300",
        "transformsSchemaCacheName": "cdc_dw_bi_ods_tables_1852.CDC_COMBINED-bd0005ac.R-ScCache",
        "unloadEnableColumnLinksAsIncludeExclude": "true",
        "transitionSchedulerReservationSecondsTimeout": "240",
        "dbmi.cdc.interval.mins": "5",
        "transitionAuditMessagesLogged": "TRUE",
        "readerPersistenceSchemaCacheDirectory": "/opt/Inform/apps/Database_Ingestion/data/tasks/",
        "readerHelperThreadCount": 3,
        "readerTableInfoCacheName": "cdc_dw_bi_ods_tables_1852.CDC_COMBINED-bd0005ac.R-ICache",
        "readerPersistenceSchemaCacheName": "cdc_dw_bi_ods_tables_1852.CDC_COMBINED-bd0005ac.R-PScCache",
        "transitionTracing": "true",
        "unloadEnableColumnRulesConsistencyChecking": "true",
        "dbmi.cdc.technique": "LOG_BASED_CDC",
        "lobsEnabled": "false",
        "selectionMode": "RULE_BASED",
        "transitionSchedulerType": "CDC_SUSPENDED",
        "taskKey": {
          "key": "XXXXX"
        }
      },
      "connectivityAttributes": {
        "attributes": {

```

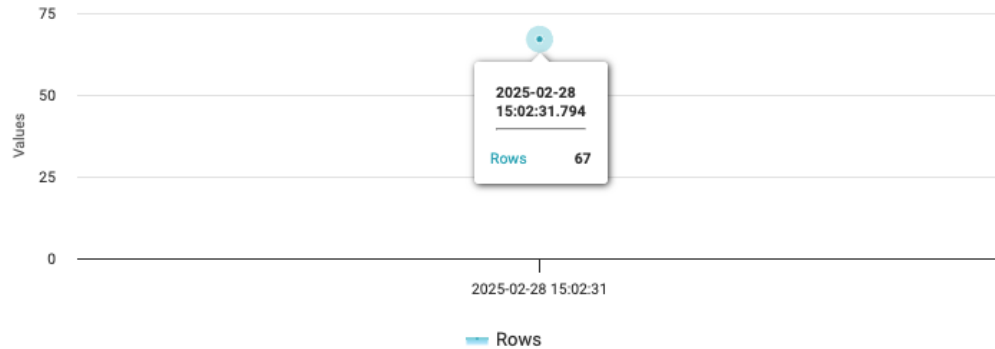
CDIR Analysis : DBMI Job Analysis

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

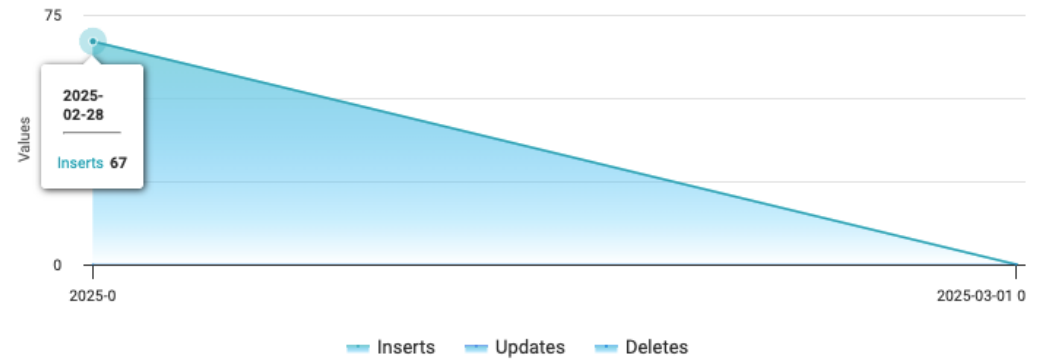
Source Markers Config **Target**

1 Flush Count **67** Rows **1s** Flush Duration **1** Tables **1** Stage I

Flush Row Stats



Flush Series



Flush Stats

Find by keywords

Start Time	End Time	Rows	Duration	Size	Stage Files	Reason
2025-02-28 15:02:31.794	2025-02-28 15:02:33.525	67	1 s	20.35 KB	1	MARKEF

Target Stats

Find by keywords

Table Name	Inserts	Updates	Deletes
MOV_SINIESTRO_DANA	67	0	0

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.

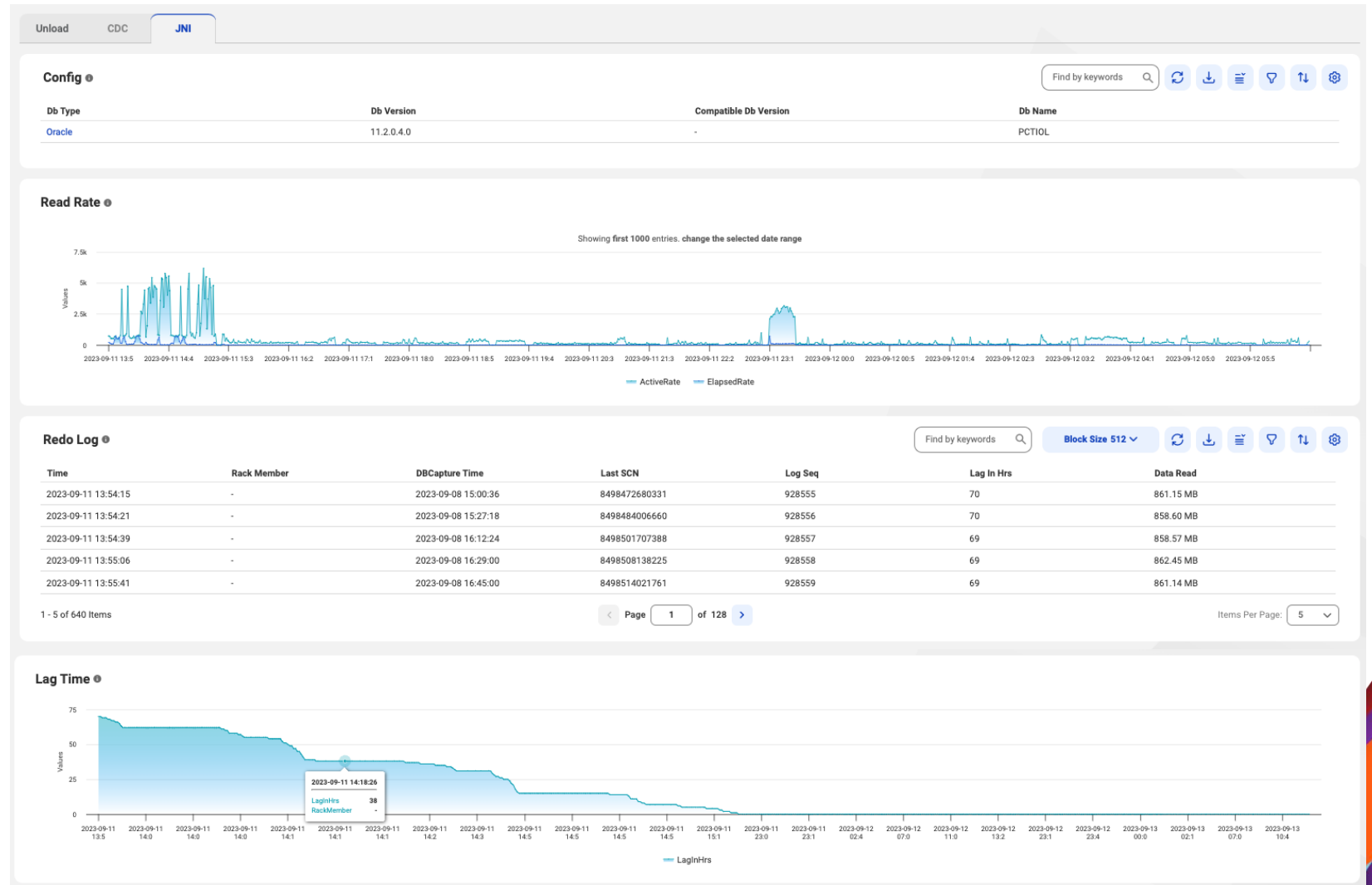
The screenshot displays the Informatica CDC job analysis interface. At the top, the 'Job Summary' section shows the job name 'cdc_dw_bi_ods_tables_1852', source 'ORACLE', target 'SNOWFLAKE', duration '3 mo, 2 w, 3 d', and status 'SUCCESSFUL'. Below this, the 'CDC Tasks (3)' table lists three tasks, with the second task (Run Id 261415) selected. The 'Flush Row Stats' section provides a summary of the selected task's performance: 16 Flush Count, 5.14M Rows, 10m,40s Flush Duration, 11 Tables, and 38 Stage Files.

Task Name	Run Id	Start Time	End Time	Logs	Errors
CDC_COMBINED	261399	2025-02-28 14:39:41.385	2025-03-01 02:29:14.177	2	63
CDC_COMBINED	261415	2025-03-01 02:38:38.25	2025-03-01 11:10:28.262	1	20
CDC_COMBINED	261456	2025-03-01 11:16:16.256	2025-03-01 11:46:08.438	1	8

Stat	Value
Flush Count	16
Rows	5.14M
Flush Duration	10m,40s
Tables	11
Stage Files	38

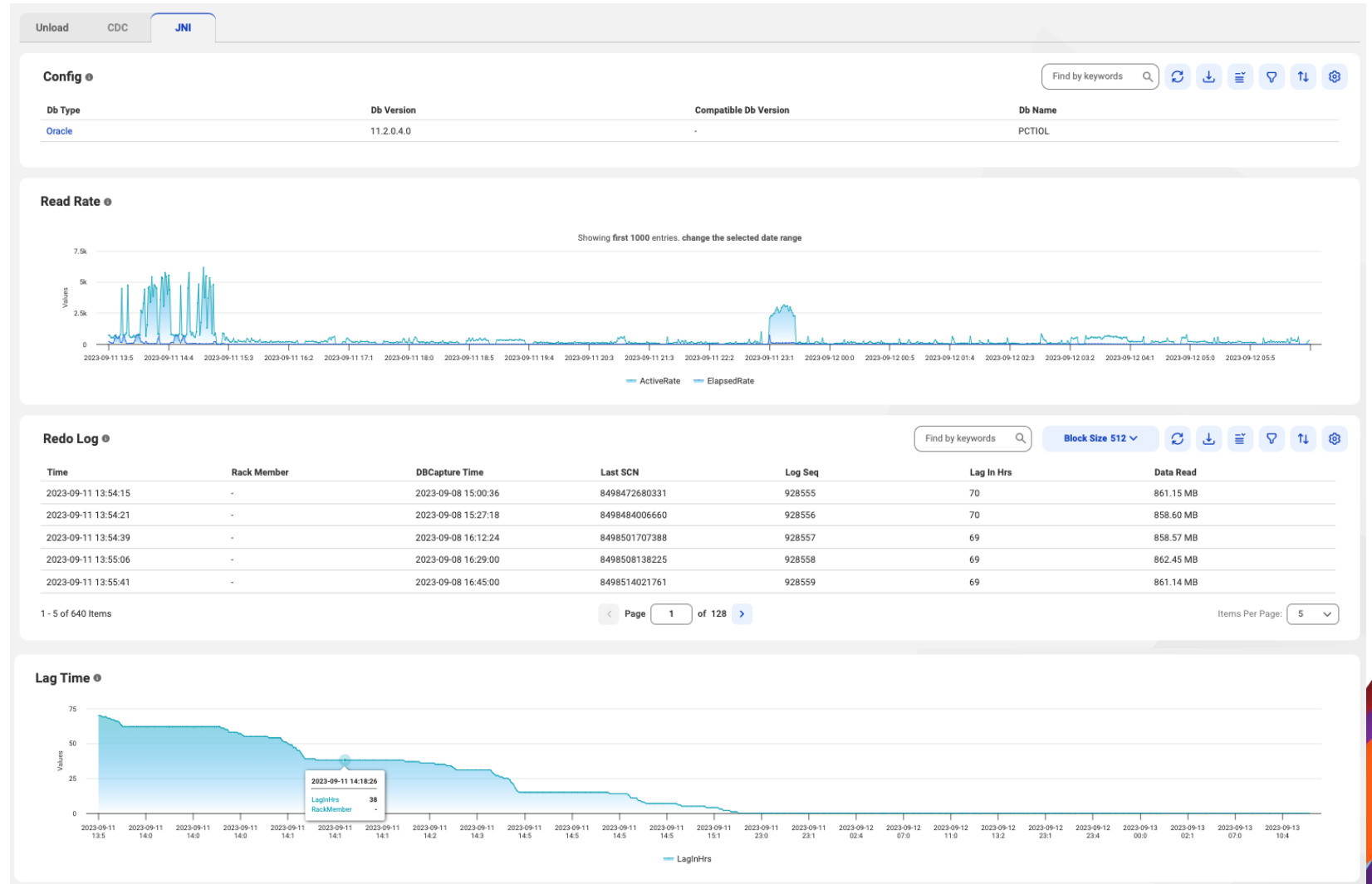
CDIR Analysis : DBMI Job Analysis

- 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.



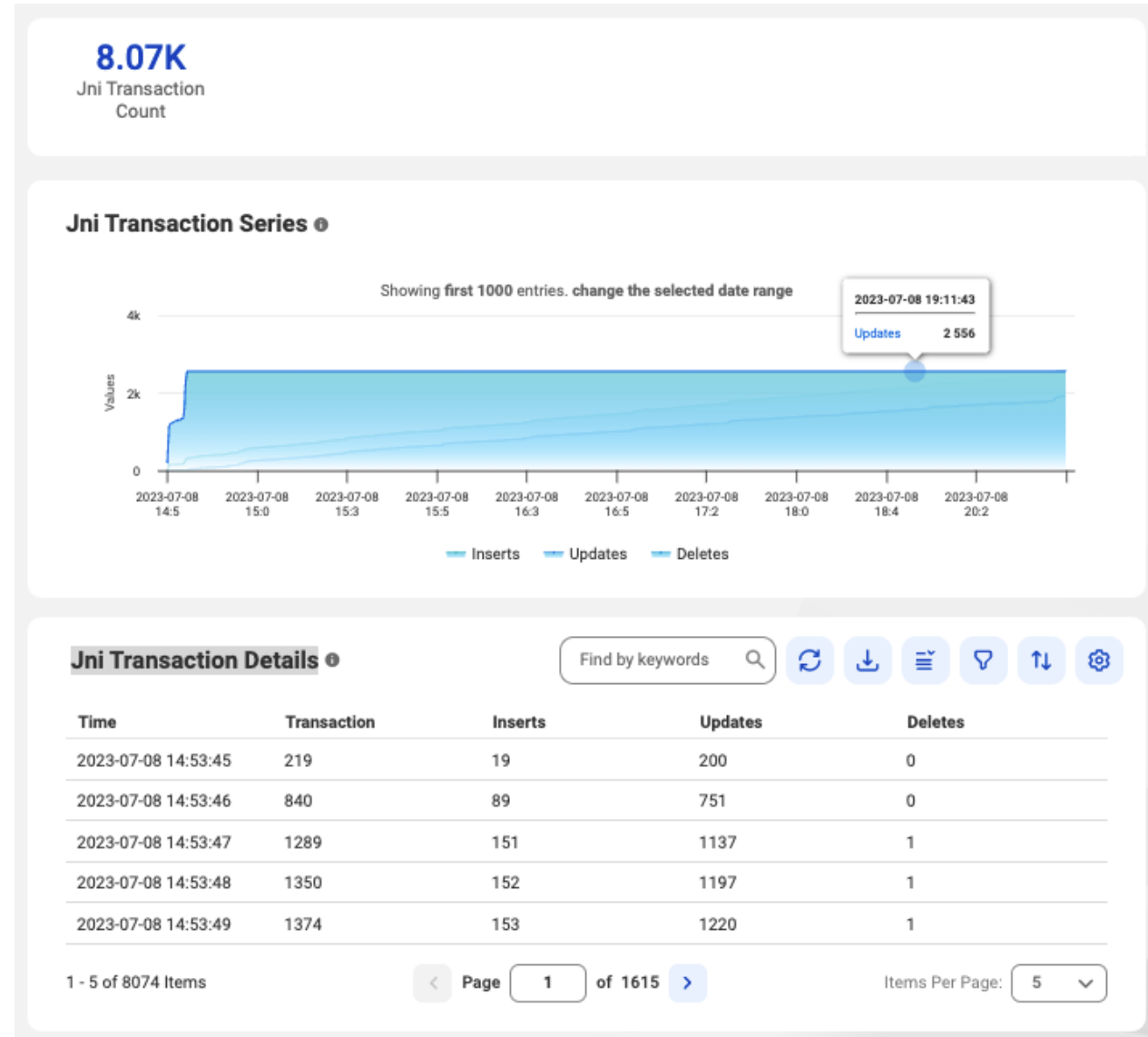
CDIR Analysis : DBMI Job Analysis

- 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.



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.

Slot Advancement

Find by keywords

Time	LSN
2025-01-09 08:49:10	0/15FB850
2025-01-09 08:49:19	0/15FB8D0
2025-01-09 08:49:32	0/15FB978
2025-01-09 08:49:40	0/15FBA28
2025-01-09 08:49:43	0/15FBA98

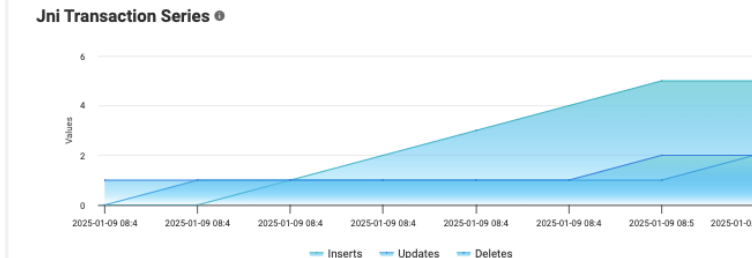
1 - 5 of 8 Items Page 1 of 2 Items Per Page: 5

Capture Status Sequence

Find by keywords

Time	Capture Status
2025-01-09 10:41:58	0x0000:0/15FBF80:0/15FBFB0:000001fd:01
2025-01-09 10:40:58	0x0000:0/15FBF80:0/15FBFB0:000001fd:01
2025-01-09 10:39:58	0x0000:0/15FBF80:0/15FBFB0:000001fd:01
2025-01-09 10:38:58	0x0000:0/15FBF80:0/15FBFB0:000001fd:01
2025-01-09 10:37:58	0x0000:0/15FBF80:0/15FBFB0:000001fd:01

1 - 5 of 117 Items Page 1 of 24 Items Per Page: 5



Jni Transaction Details

Find by keywords

Time	Transaction	Inserts	Updates	Deletes
2025-01-09 08:49:08	1	0	1	0
2025-01-09 08:49:16	2	0	1	1
2025-01-09 08:49:30	3	1	1	1
2025-01-09 08:49:38	4	2	1	1
2025-01-09 08:49:41	5	3	1	1

1 - 5 of 8 Items Page 1 of 2 Items Per Page: 5

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

The screenshot displays two job analysis windows in the Informatica Cloud Data Integration (CDI) interface.

Job 1: APPMI Job | AMI_SF_B LNG_INVOICELINE_831

Filter: OrgId: 0wDqJfesl8IKOaJRjACsv Agent Group: gcsassurance-qa-202507m-pod-agent.licassurance-qa-pod1-rel2.infaqa
2023-09-05 06:25:17 - 2023-09-05 06:40:12

Unload CDC

INIT task (1)

Task Name	Run Id	Source	Target	Start Time	End Time	Status	Logs	Errors
SALESFORCE.blng_InvoiceLine_c	a47b8d91811c41e888693538c2c00239	SALESFORCE	GOOGLE_BIG_QUERY	2023-09-05 06:25:17.363	2023-09-05 06:40:12.371	Successful	1	1

SF Bulk Query

Bulk Query Job Id	Object Name	Start Time	End Time	Duration	Retrieval Time	DMLGeneration Time
7504P0000oWqJbQAK	blng_InvoiceLine_c	2023-09-05 06:26:05.865	2023-09-05 06:32:32.998	6 m, 27 s	1 d, 18 h, 19 m	2 d, 5 h, 28 m

Job 2: APPMI Job | AMI_SF_B LNG_GLTREATMENT_C_757

Filter: OrgId: 0wDqJfesl8IKOaJRjACsv Agent Group: ip-172-27-52-156.us-west-2.compute.internal Agent: ip-172-27-52-156.us-west-2.compute.internal Clear All
2023-08-31 09:30:10 - 2023-09-01 23:59:52

Unload CDC

CDC task (2)

Task Name	Run Id	Source Type	Target	Start Time	End Time	Status	Logs	Errors
CDC_COMBINED	1102	-	-	2023-09-01 00:00:00.962	2023-09-01 23:59:52.769	Running	1	0
CDC_COMBINED	1102	SALESFORCE	GOOGLE_BIG_QUERY	2023-08-31 09:30:10.082	2023-08-31 23:59:50.728	Running	1	9

Summary:

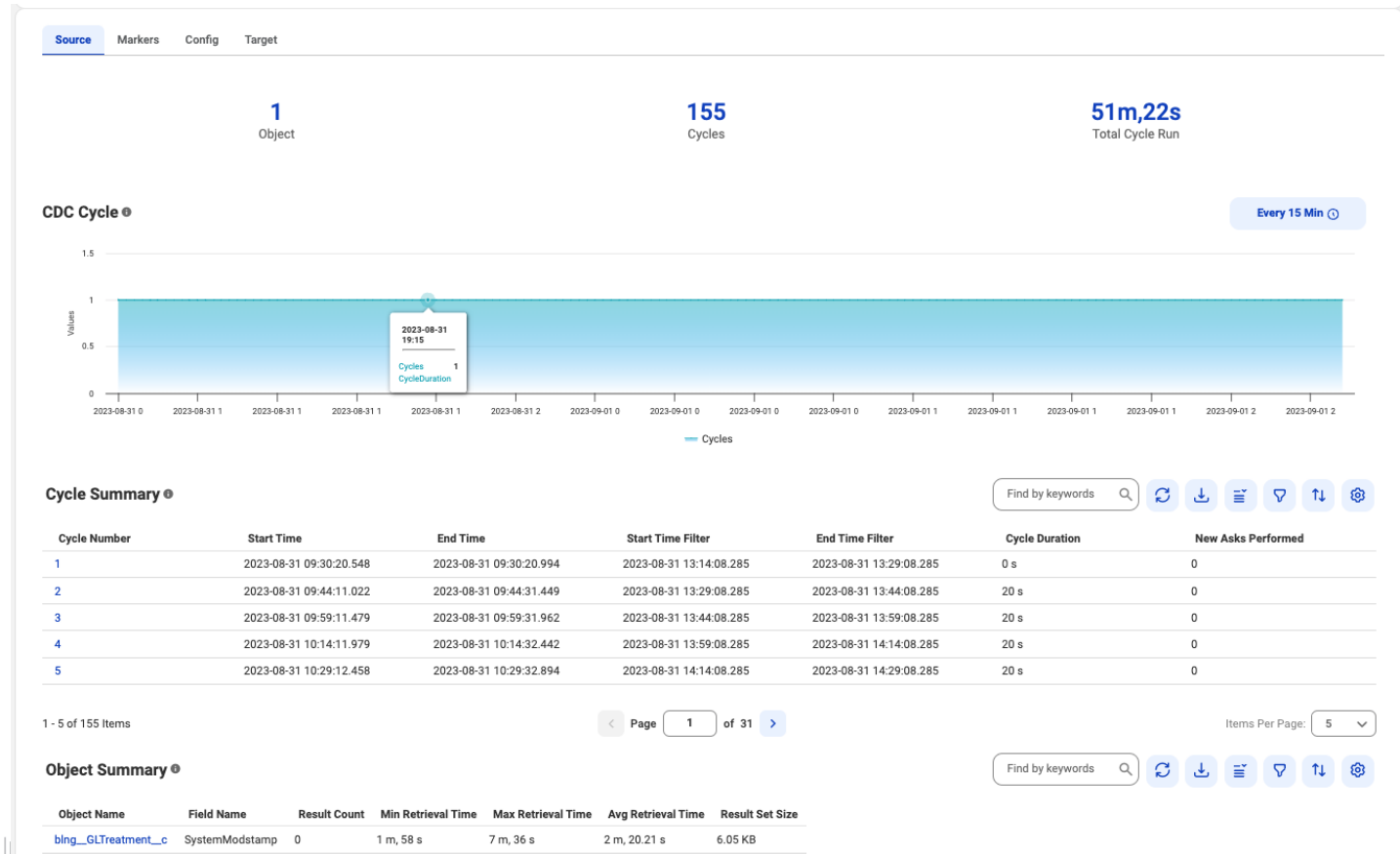
- 1 Object
- 155 Cycles
- 51m,22s Total Cycle Run

CDC Cycle Every 15 Min

CDIR Analysis : APPMI Job Analysis

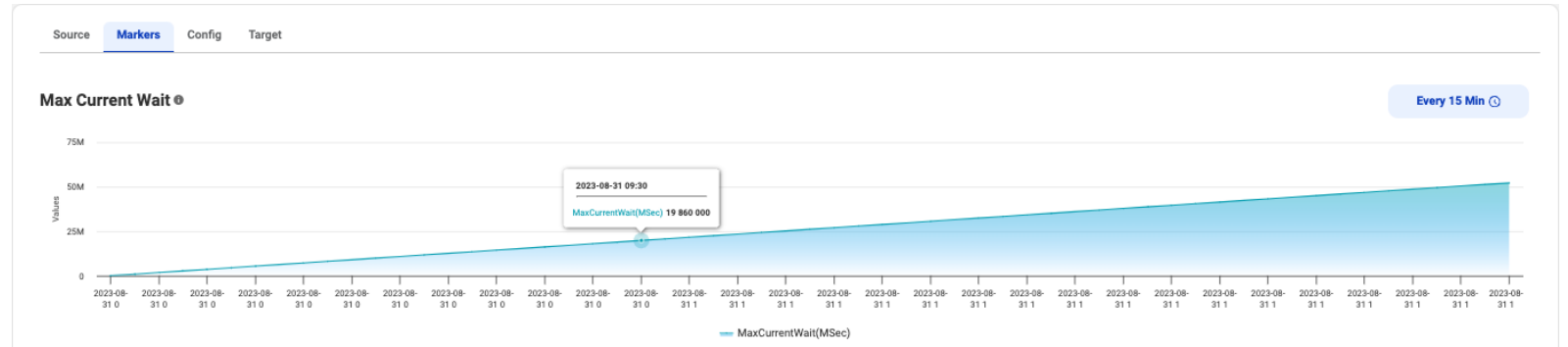
- **Source tab** shows the source level stats.
- Source tab shows extra details for Salesforce sources.
- **Unload Task.**
 - Shows how data was processed using Salesforce bulk query.
- **CDC Tasks:**
 - For CDC, data is moved in CDC cycles.
 - It shows each cycle duration and how many records were processed in each cycle.
 - Also provides an 'Object level summary for the records processed.

Bulk Query Job Id	Object Name	Start Time	End Time	Duration	Retrieval Time	DMLGeneration Time
7504P00000WqUbQAK	blng__InvoiceLine_c	2023-09-05 11:56:05.865	2023-09-05 12:02:32.998	6 m, 27 s	1 d, 18 h, 19 m	2 d, 5 h, 28 m



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.



Source Markers **Config** Target

Source Markers Config **Target**

6
Flush Count

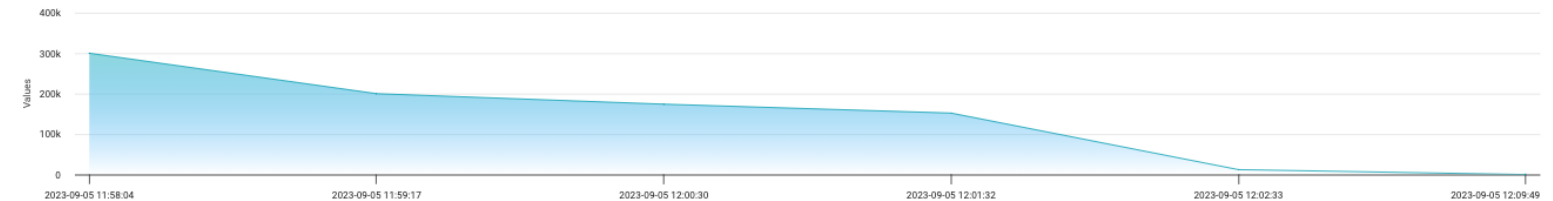
838.16K
Rows

4m,32s
Flush Duration

1
Tables

7
Stage Files

Flush Row Stats



```
{
  "taskIdentifier": {
    "jobName": "AMI_SF_B LNG_INVOICE LINE_831",
    "taskName": "CDC-UNLOAD-SALESFORCE.blng_InvoiceLine_c",
    "runId": "a47b8d91811c41e888693538c2c00239",
    "displayName": "CDC-UNLOAD-SALESFORCE.blng_InvoiceLine_c",
    "description": "CDC-UNLOAD-SALESFORCE.blng_InvoiceLine_c",
    "ingestionType": "APPMI",
    "globalID": "Q0RDLVV0TE9BRC1TQUxFU0ZPUkNFLmJsbmRFX0ludm9pY2VMaW5lX19j"
  },
  "taskDuration": "UNTIL_END_OF_DATA",
  "includeExcludeTableRules": [
    {
      "ruleType": "INCLUDE",
      "rule": {
        "parts": [
          "SALESFORCE",
          "blng_InvoiceLine_c",
          "*"
        ]
      }
    }
  ],
  "subTasks": [

```

CAI Analysis



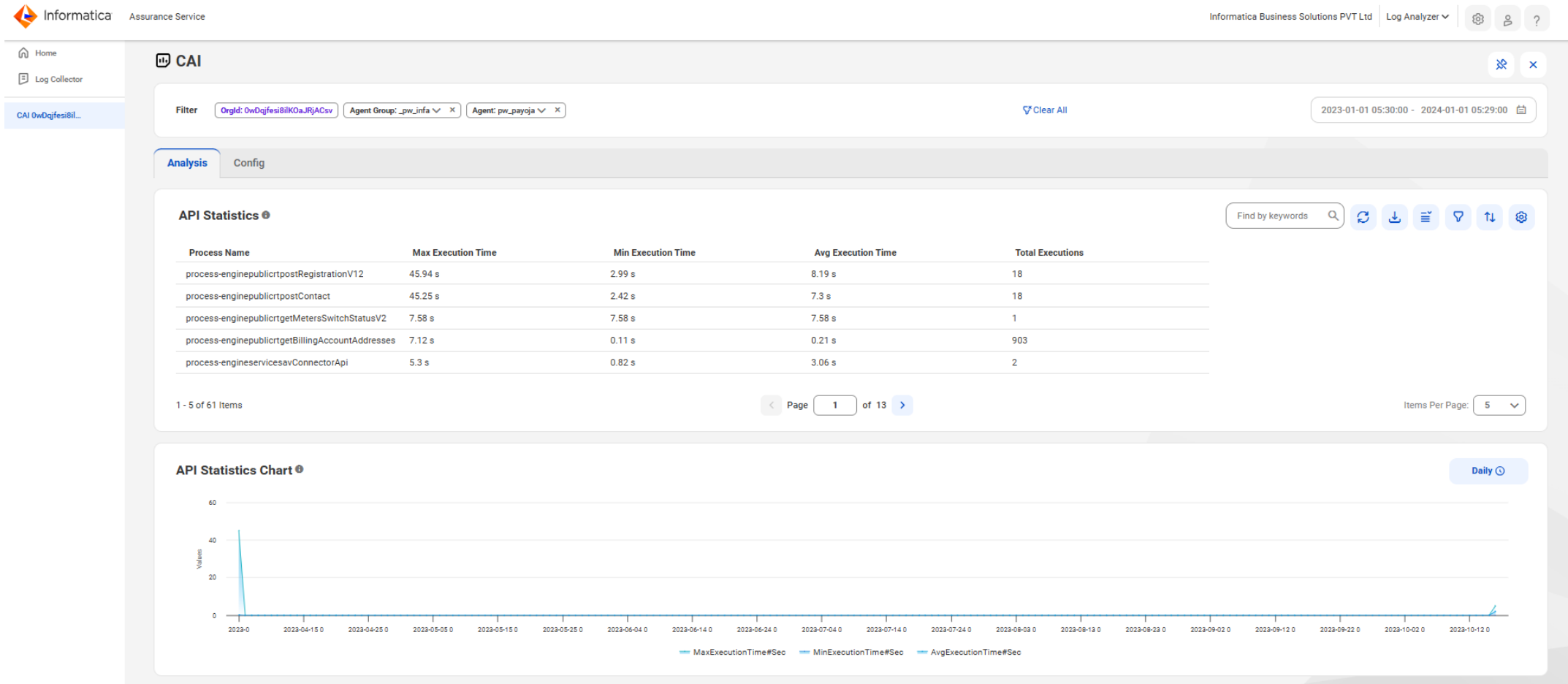
Supported Import Method: Local



Supported Log Types: CAI_App, CAI_Postgre and CAI_Accesslog

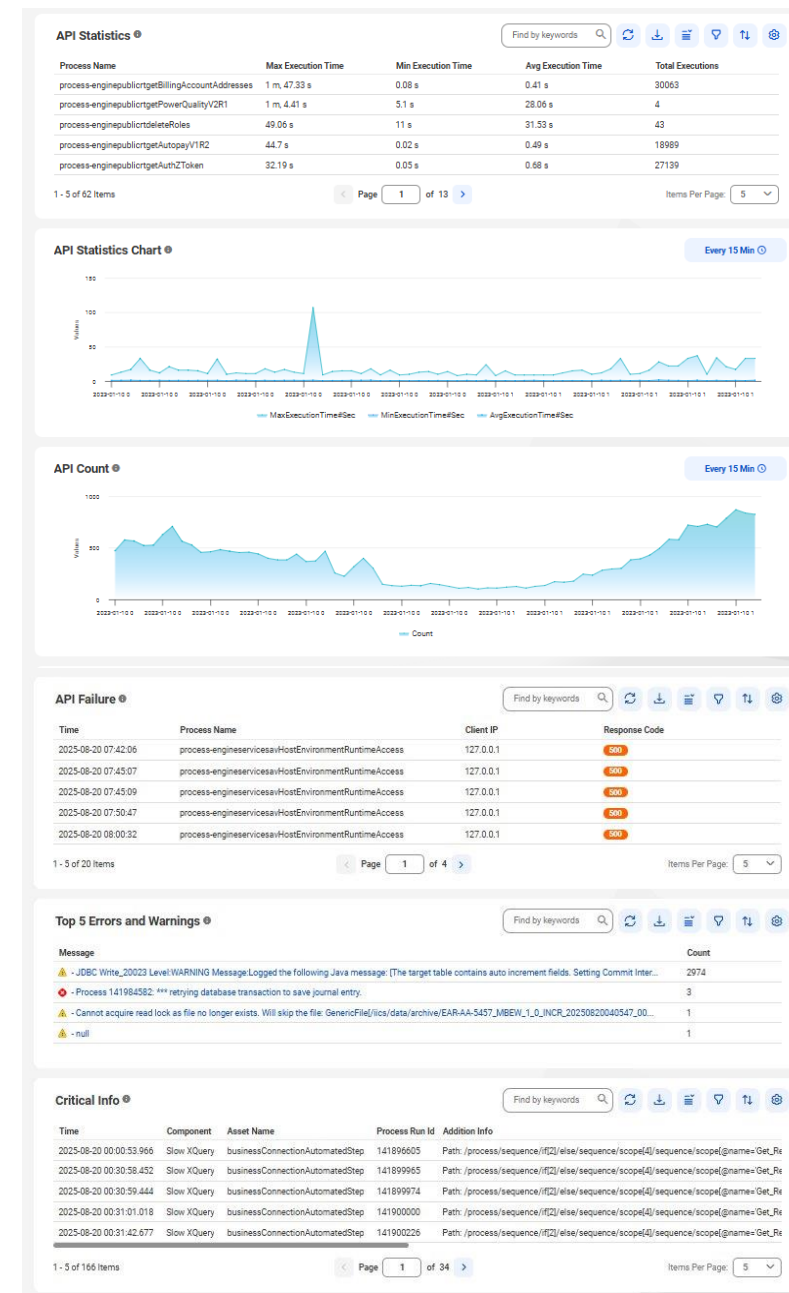
CAI Analysis

- CAI dashboard provides the collective analysis report for access, Catalina and postgres 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.



CAI Analysis : Config tab

App Configurations Version 15124581.7

CAI Secure Agent Group

AppName process-engine CreateTime 2024-05-14 09:17:04 UpdateTime 2024-05-14 09:22:03

Engine Configurations Find by keywords Show difference Download Print Filter Sort Settings

Name	Customized	Type	Value
host-name	<input checked="" type="checkbox"/>	server	'localhost'
shutdown-port	<input checked="" type="checkbox"/>	server	7005
key-alias	<input checked="" type="checkbox"/>	server	'localhost'
key-store	<input checked="" type="checkbox"/>	server	'../conf/ae.keystore'
key-store-password	<input checked="" type="checkbox"/>	server	'password'
trust-store	<input checked="" type="checkbox"/>	server	'../conf/ae.cacerts'
trust-store-password	<input checked="" type="checkbox"/>	server	'changeit'
ldap-enabled-realm	<input checked="" type="checkbox"/>	server	false
ldap-properties	<input checked="" type="checkbox"/>	server	- key: connectionURL value: ldap://\$(host.name):10389 - key: connectionName value: uid
ssl-enabled-protocols	<input checked="" type="checkbox"/>	server	'TLSv1.2'

1 - 10 of 45 Items Page 1 of 5 Items Per Page: 10

App Config

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

IDMC Assurance Service Health Check

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

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.

Predefined Health Check Rules

Health Check

Rules | Previous Runs | Task Observer

Sub Orgs Run All

Summary

Enabled: 114
Disabled: 0

System: 46
User-defined: 68

Rules By Asset Type

- Mapping
- Runtime Environment
- AI Connection
- Process
- Guide
- Task
- Connection
- AI Service Connector
- Troubleshooting
- User

Rules By Category

- Best Practice
- Performance
- Troubleshooting
- Maintenance

Rules (26) | System | Data Integration

Name	Description	Category	Asset Type	Customized
Invalid Mappings	All mappings should be in the Valid state.	Best Practice	Mapping	N/A
Invalid Value for Numeric Secure Agent Proper...	The values of numeric properties of secure ag...	Best Practice	Runtime Environment	N/A
Invalid My_SQL_JDBC_DRIVER_JARNAME Con...	The MySQL JDBC Driver JAR should be proper...	Performance	Runtime Environment	N/A
Invalid Network Retry Interval Configurations	The network retry interval property should be b...	Performance	Runtime Environment	✓
Invalid Value for Secure Agent Properties	The values of agent properties should not hav...	Best Practice	Runtime Environment	N/A

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

Customizable Rules

Health Check

System: 46 User-defined: 68

Rules (68) | User-defined

Name
sknd
mct
invalid_mct
Test
org1
agent8
mct4
mct3
agent7

Configure

Name *

Asset Type *

Category *

Severity *

Condition *

Message *

User defined health check rules



Rules (26) | System

Name	Type	Comments	Value
Minimum Tunnel Timeout	Integer	<input type="text"/>	<input type="text" value="500"/>
Maximum Tunnel Timeout	Integer	<input type="text"/>	<input type="text" value="1200"/> ⚠ Default value

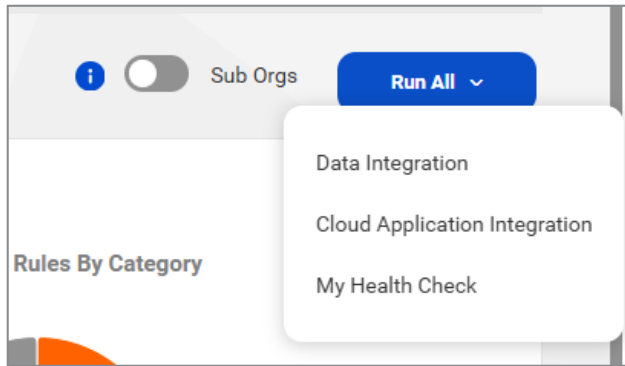
Tailored Configuration to meet specific Organizational Needs



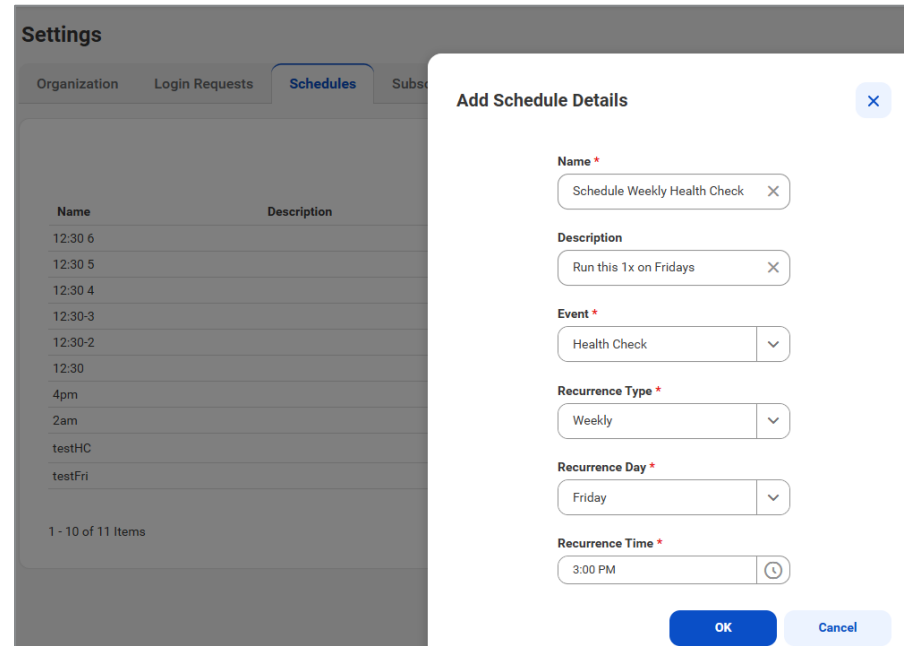
How do you execute Health Check

3 different ways!

Through In-App



Through Schedules



Through Rest API

Run Health Check
Sample URL: <https://IDMCassurance-na1.dm.us.informaticacloud.com/assure/public/v2/healthcheck/execute>

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	<ul style="list-style-type: none">AllCloud Data IntegrationCloud Application IntegrationMy 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:

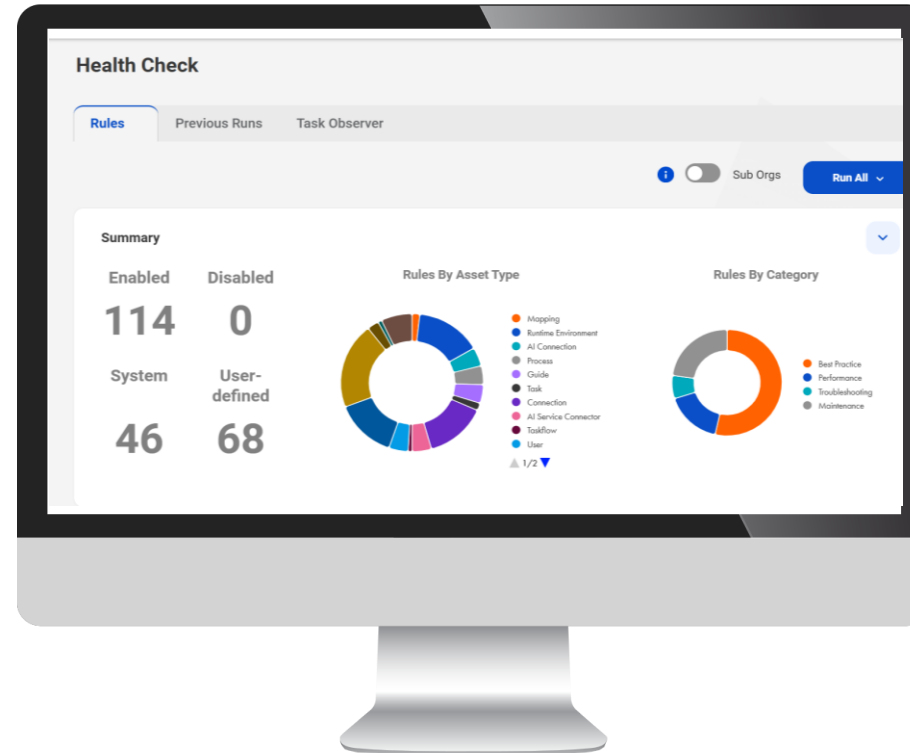
```
{
  "executionId": "xxxxxxxx",
  "executionType": "Cloud Data Integration",
  "executedOn": "1669205352569",
  "runby": "USERNAME",
  "status": "Started"
}
```

Convenience Factor!!

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

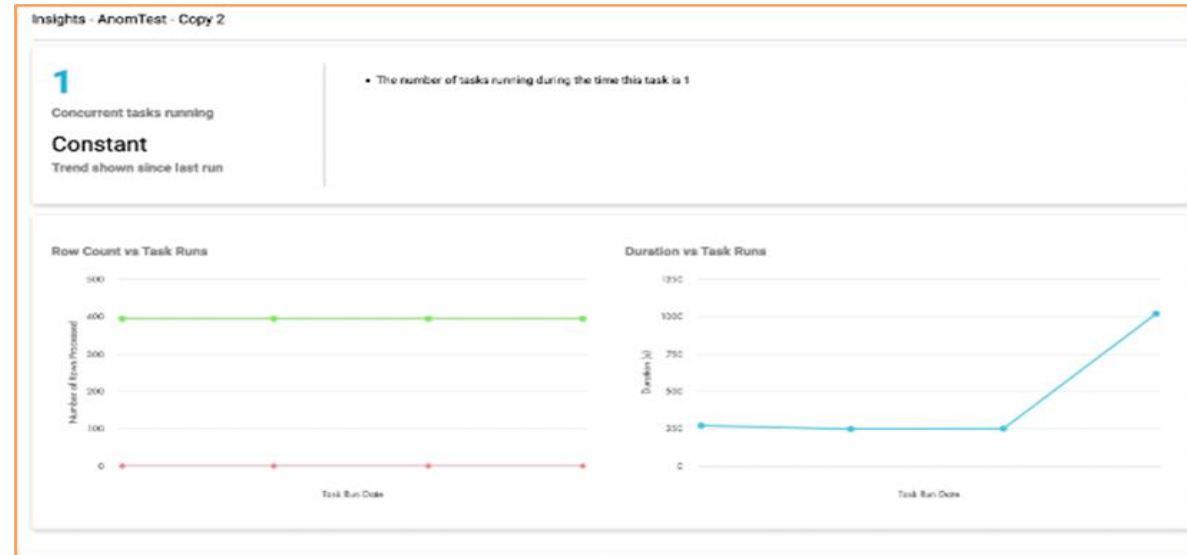
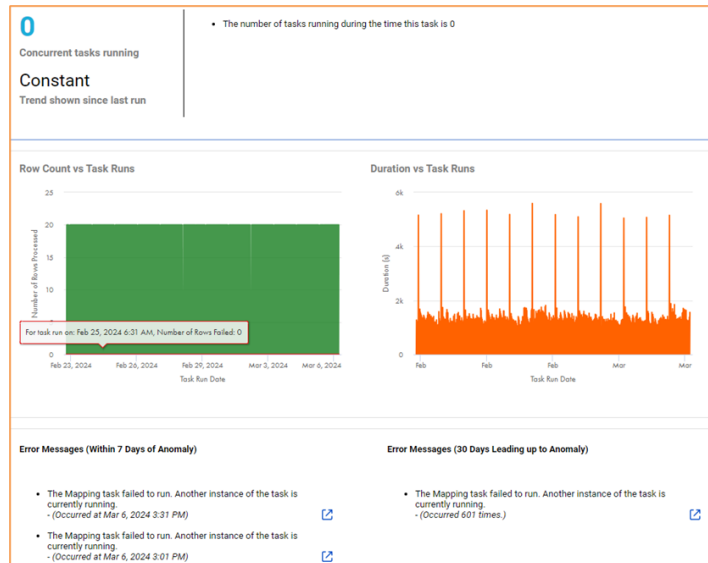
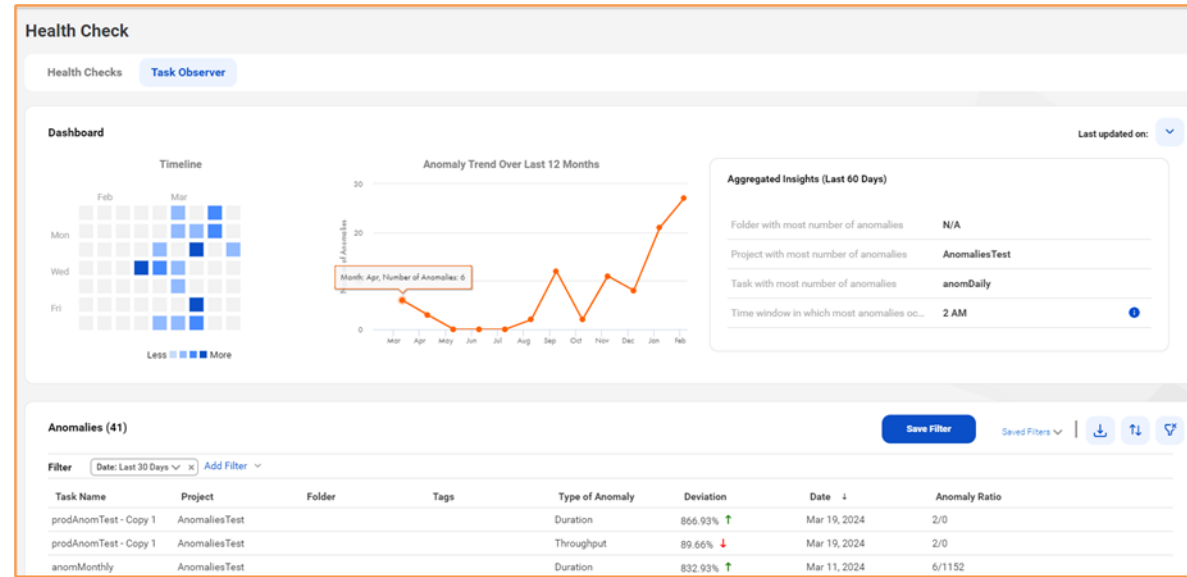
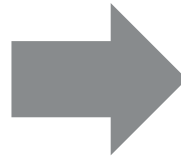
DEMO

- Health Check



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

Where data & AI come to **LIFE**