

Informatica Intelligent Data Management Cloud Assurance Package

Mitigate Risk and Reduce Costs with AI-Powered Application Performance Management

Informatica Intelligent Data Management Cloud™ (IDMC) is foundational to your digital transformation. It helps mitigate the risk of any disruptions and assures your organization's IDMC environment is running at the highest performance and optimal efficiency. The Informatica IDMC Assurance Package simplifies your IDMC upgrade process and recognizes the impact of new release features. It also performs on-demand health checks and tracks important configuration changes in one place.

Many organizations have adopted a cloud-first, cloud-native strategy and want to streamline their product upgrade and release management process. This helps reduce recurring operating costs and the risk of business continuity disruptions. Informatica provides next-generation tooling for IDMC that automates several pre-upgrade and release management-related activities. The IDMC Assurance Package offers software development lifecycle (SDLC) features, automated anomaly detection, and end-to-end visibility into environments for Informatica **Cloud Data Integration**, **Informatica Cloud Application Integration**, and IDMC services, including **Master Data Management (MDM) SaaS**. This means you spend less time fixing issues and more time driving innovation.

“The IDMC Assurance Pack boosted our operations by significantly cutting the integration admin efforts by 60%, enhancing upgrade analysis, streamlining asset migrations, and scheduling blackouts.”

Perumal Mathevan Arumugham, Director of Enterprise Integrations and Master Data Management, TelevisaUnivision

Key Benefits

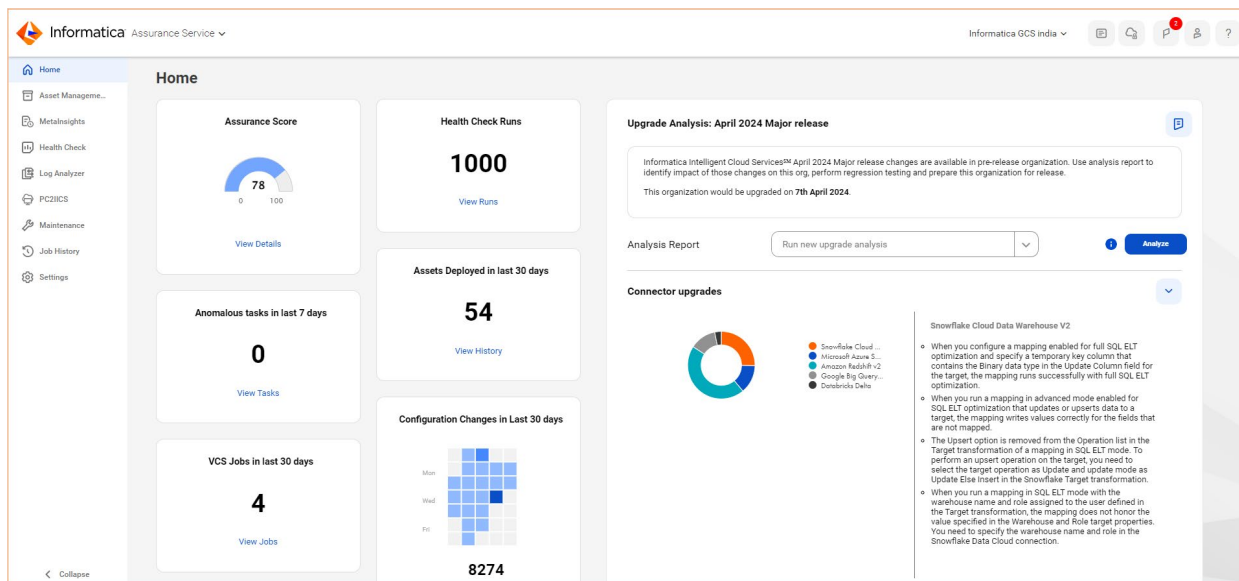
- Mitigate risk by increasing test coverage, reducing post-upgrade issues and improving the overall health of the environment
- Reduce costs by automatically assessing the impact of releases, preparing the pre-release test environment and enabling regression testing
- Increase visibility by proactively managing and monitoring KPIs as they relate to adoption metrics and configuration change impacts

Addressing Critical Needs

The IDMC Assurance Package is software that includes governance and control to streamline DataOps for Informatica Cloud Data Integration, Informatica Cloud Application Integration and MDM SaaS services by addressing three critical needs:

- Enhances SDLC agility by simplifying testing and troubleshooting across IDMC organizations with unified asset replication and configuration sync.
- Improves observability by tracking all configuration changes to different assets and providing recommendations for key changes, on-demand risk assessments and a health check.
- Increases automation and improves preparation for upgrades with tailored impact analysis and a dedicated pre-release org to perform regression testing.

These capabilities provide the cloud data management expertise necessary to help you meet your business requirements. The assurance package will help reduce operating costs, mitigate risk and ensure SLAs are met.



Key Features

Asset Management

Simplify your deployment pipeline by streamlining and auditing how the changed assets are deployed to multiple organizations. This can be used to set up new organizations for pre-release testing or for splitting existing organizations into sub-organizations for growing business needs. This also ensures that all deployments are audited and you get the necessary historical perspective for governance.

Create groupings using deployment groups of various assets like tasks, task flows, mappings, etc., which can then be replicated into a target organization all at once. This streamlines the efficiency of major upgrades, enabling you to consistently test business-critical assets without creating additional folders or metadata in an organization.

Better understand the impact of releases for your environment and risk report. With automated feature impact analysis, you can understand which assets are likely affected by new release features and dependencies. Combining this with the “Recommended Tasks” feature, you can quickly create a regression suite of tasks to be tested prior to an upgrade or any other internal milestones.

Simplify your upgrade process with a separate release sandbox, automated test case identification, asset migration, connection updates and configuration synchronization for easier regression testing. For example, you can replicate artifacts into the pre-release sandbox (located in Amazon Web Services U.S. West).

Leverage custom code analyzer to understand where custom code has been written in the form of Java Tx, SQL Overrides, pre / post-session commands, etc. This helps retain a view of potential areas of risk from an information security standpoint. It can also be used to identify the impact of changing a non-Informatica asset that is used to perform some tasks.

Use tools like bulk schedule manager, which can help manage your schedules more effectively. You can associate / disassociate tasks from schedules in bulk.

Asset Deployment

The IDMC Assurance Service empowers you to simplify and accelerate your cloud integration deployments. Effortlessly move tasks between environments with our intuitive deployment capability.

Say goodbye to manual, multi-step deployments. The IDMC Assurance Service allows you to deploy a selection of assets from your source environment to your target environment in a single, swift action.

Gain granular control over your deployments with a variety of filtering options like:

- Name
- Task Type
- Folder Name
- Project Name
- Last Run
- Last Updated
- Tags
- Connection Name
- Connection Type

Effortlessly select the assets you need and configure them for your target environment, all within a streamlined workflow.

The IDMC Assurance Service puts you in control of your cloud integrations, empowering you to achieve more with less effort.

The screenshot displays the Informatica Asset Management interface. The top navigation bar includes the Informatica logo, 'Assurance Service', and user information. The main header shows 'Asset Management' with a 'Last Refreshed On: April 2, 2024 11:54 PM' and a 'Refresh Assets' button. Below the header, there are tabs for 'Explore Assets', 'Deployment Flow', 'Recently Deployed', and 'Reviews'. The 'Explore Assets' tab is active, showing a list of assets with columns: Name, Task Type, Project Name, Folder Name, Last Run, and Last Updated. The list contains 1350 assets, with the first few rows showing various mapping tasks and taskflows. The interface also includes a sidebar with navigation options like Home, Asset Management, MetaInsights, Health Check, Log Analyzer, PC2ICS, Maintenance, Job History, and Settings.

Name	Task Type	Project Name	Folder Name	Last Run	Last Updated
MCT_Map_Dlkp_Inte...	Mapping Task	CMD_DynamicLkp		N/A	Apr 2, 2024 11:54 PM
mt_Merlin_JOD_DRS...	Mapping Task	aws_s3_poc	Dev	Apr 2, 2024 5:18 AM	Apr 2, 2024 5:18 AM
mt_Merlin_Role_Dim	Mapping Task	aws_s3_poc		Apr 1, 2024 4:13 AM	Apr 1, 2024 3:41 AM
tf_docbase_task_dim...	Taskflow	Azure_Poc	Taskflows_V3	N/A	Mar 29, 2024 2:42 AM
mt_Merlin_DSS_Task...	Mapping Task	Azure_Poc	Dev	N/A	Mar 29, 2024 2:42 AM
mt_Merlin_DRS_Task...	Mapping Task	Azure_Poc	Dev	N/A	Mar 29, 2024 2:42 AM
mt_Merlin_PCS_Task...	Mapping Task	Azure_Poc	Dev	N/A	Mar 29, 2024 2:42 AM
mt_Merlin_JOD_DSS...	Mapping Task	Azure_Poc	Dev	N/A	Mar 29, 2024 2:42 AM
mt_Merlin_Document...	Mapping Task	Azure_Poc	DocumentBase	N/A	Mar 29, 2024 2:42 AM
mt_Merlin_MT_Task...	Mapping Task	Azure_Poc	Dev	N/A	Mar 29, 2024 2:42 AM
mt_Merlin_Document...	Mapping Task	Azure_Poc	DocumentBase	N/A	Mar 29, 2024 2:42 AM
mt_Merlin_JOD_DRS...	Mapping Task	Azure_Poc	Dev	N/A	Mar 29, 2024 2:42 AM
mt_Merlin_MT_Task...	Mapping Task	Azure_Poc	Dev	N/A	Mar 29, 2024 2:42 AM
mt_Merlin_Document...	Mapping Task	Azure_Poc	DocumentBase	N/A	Mar 29, 2024 2:42 AM
mt_Merlin_JOD_MT_T...	Mapping Task	Azure_Poc	Task_Dim_V2	N/A	Mar 29, 2024 2:42 AM
mt_Merlin_LinearTF...	Mapping Task	Azure_Poc	Dev	N/A	Mar 29, 2024 2:42 AM
mt_Merlin_PCS_Task...	Mapping Task	Azure_Poc	Dev	N/A	Mar 29, 2024 2:42 AM
mt_Merlin_LinearTF...	Mapping Task	Azure_Poc	Dev	N/A	Mar 29, 2024 2:42 AM

Deploy with Confidence: Review Process

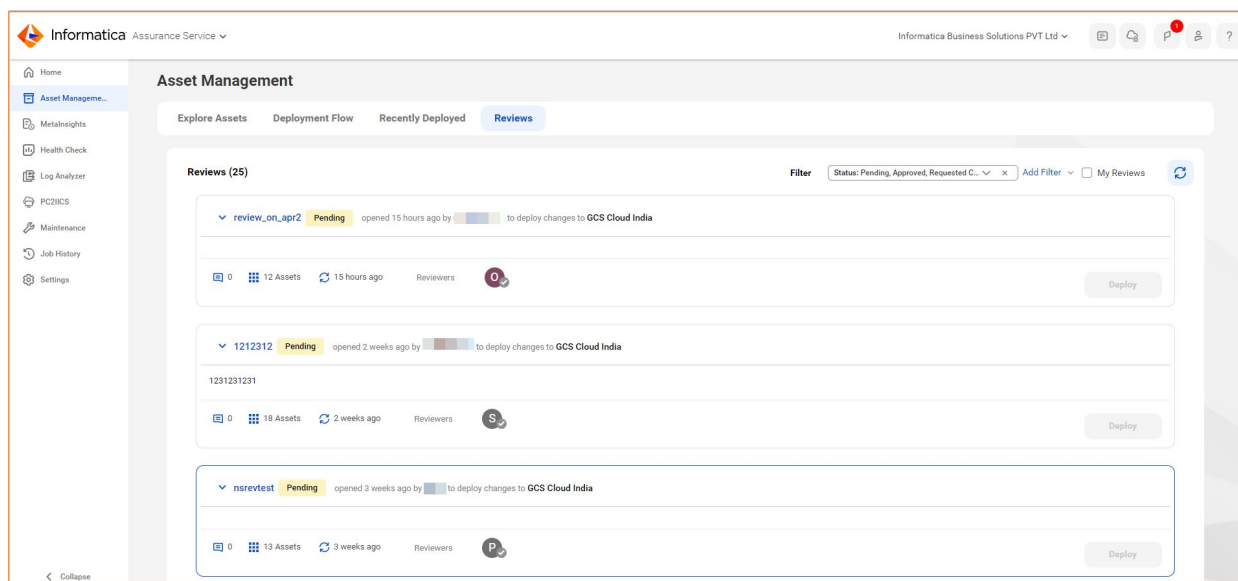
The IDMC Assurance Service prioritizes flawless deployments by providing a built-in review process. This intuitive feature allows every user to review changes before deployment.

Benefits of the Review Process:

Peer Review: Follow the best practices of software engineering with data engineering as well. Peer reviews are critical for maintaining high-quality data pipelines.

Reduced Errors: By identifying potential issues during the review stage, you can proactively address them before deployment, leading to a smoother and more successful process.

The IDMC Assurance Service empowers every user to be a deployment pro, ensuring successful and error-free integrations.



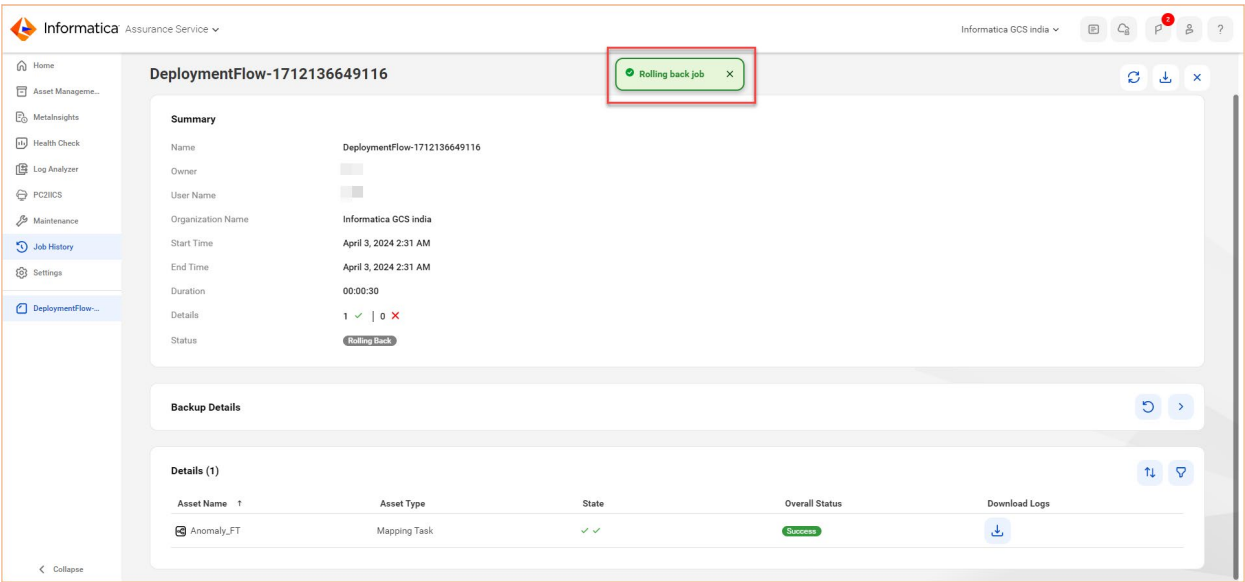
Deploy with Confidence: Rollback

The IDMC Assurance Service prioritizes secure deployments with its revolutionary built-in rollback functionality. This powerful feature allows you to deploy assets to your target environment with the safety net of a complete backup.

Effortless Rollback:

- Maintain a backup of your assets before deployment, ensuring you can easily revert to a previous state if needed.
- Roll back any modifications made during deployment with a single click.
- Get a clean and simple mechanism in case there are errors or issues during deployment.

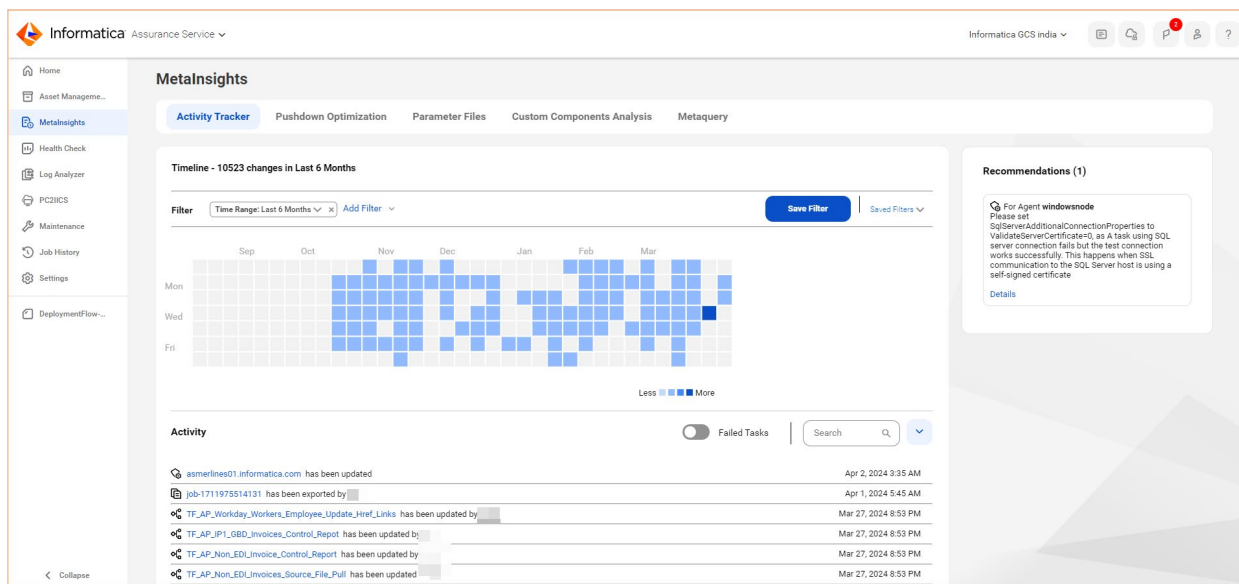
The IDMC Assurance Service empowers you to deploy with confidence. Experience the freedom of innovation with the safety net of built-in rollback.



Configuration Change Management and Tracking

Keep track of important configuration changes in one place. Understand how configurations have changed over time and their impact on other dependent assets. The IDMC Assurance Package complements Informatica Operational Insights to provide even more visibility into integration and configuration management as it relates to entities.

You can use this feature to gain visibility into the variety and velocity of changes happening in the IDMC organization. You can also leverage the tailored recommendations generated based on your current configurations to optimize your organization.



Pushdown optimization (PDO) analyzer helps you identify potential tasks that could benefit from advanced pushdown optimization. You can select a project, folder or group of tasks, and analyze all of them in one shot to determine eligible PDO candidates.

Bulk Scheduling for Cloud Data Integration

The IDMC Assurance Service takes the complexity out of managing your cloud integration schedules. Effortlessly automate and orchestrate your workflows with our intuitive scheduling capabilities.

Additional Scheduling Capabilities:

- Select and schedule multiple tasks and task flows.
- Associate or disassociate schedules with ease, giving you complete control over your schedules.

The IDMC Assurance Service empowers you to take control of your cloud integrations. Automate, orchestrate and achieve more with effortless scheduling.

Informatica Assurance Service

Informatica GCS India

Home

Asset Manage...

MetaInsights

Health Check

Log Analyzer

PC2BICS

Maintenance

Job History

Settings

DeploymentFlow...

BulkScheduleAss...

BulkScheduleAssociation-1710926965020

Summary

Job Name

BulkScheduleAssociation-1710926965020

Owner

Organization Name

Informatica GCS India

Start Time

March 20, 2024 2:29 AM

End Time

March 20, 2024 2:29 AM

Duration

00:00:02

Details

3 ✓ | 0 ✗

Status

Success

Revert Details

3 ✓ | 0 ✗

Revert Status

Success

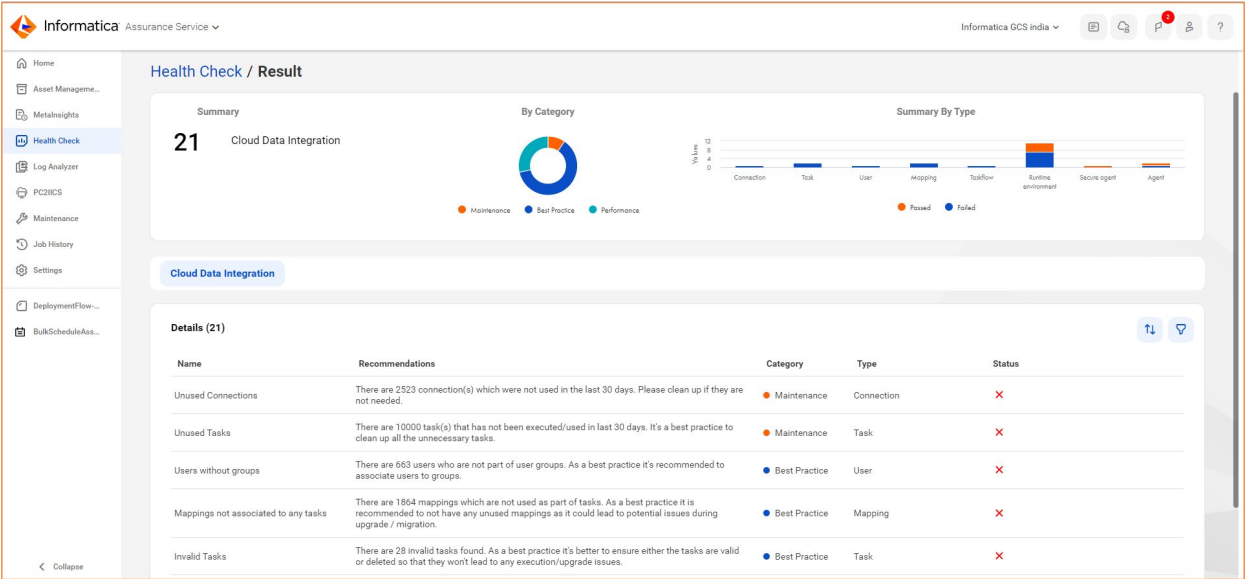
Job Details (3)

Asset Name	Asset Type	Status	Previous Schedule	Updated Schedule
mct_serverless_v1	Mapping Task	✓		Bir_Scheduler
mct_serverless_v4	Mapping Task	✓		Bir_Scheduler
TF_allCategories	Taskflow	✓	dummy/jhmykvb, schedule_5min, test_sch, ML_FILE_LISTENER_11045, ML_FILE_LISTENER_10042, test_user_schedule, realTimeMS, Test_Schedule_rts_ops, asimon_temp	dummy/jhmykvb, schedule_5min, test_sch, ML_FILE_LISTENER_11045, ML_FILE_LISTENER_10042, test_user_schedule, realTimeMS, Test_Schedule_rts_ops, asimon_temp, Bir_Scheduler

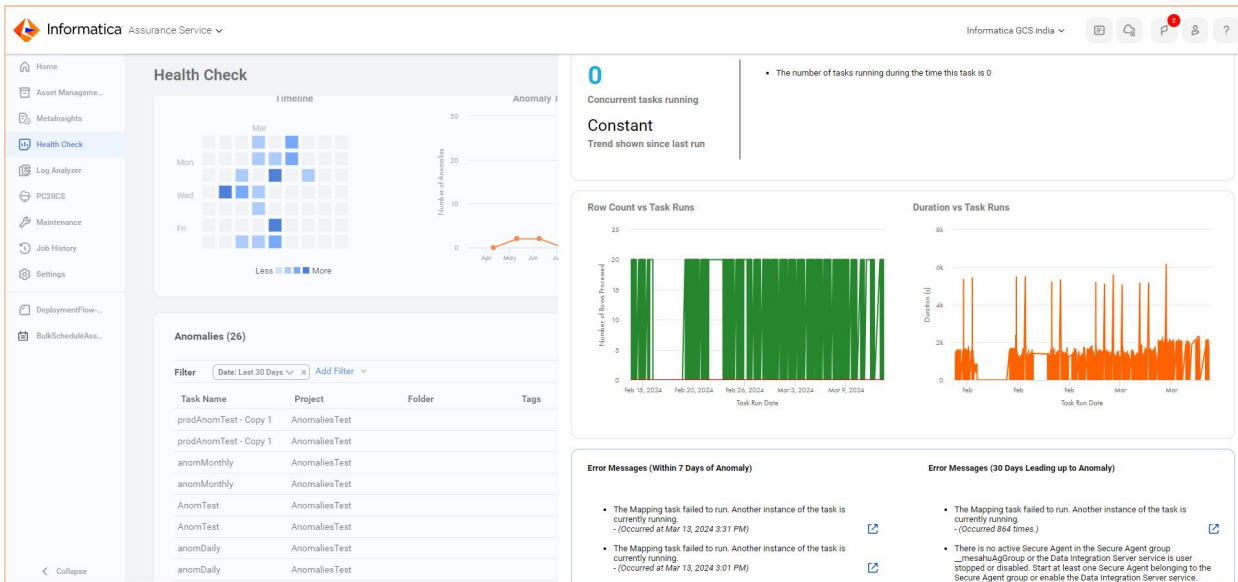
Health Assessment and Anomaly Detection

Perform over one hundred on-demand health checks for your organization and identify potential areas of improvement. Assess health across various categories like performance, unused or invalid assets, overall configuration validation of runtime environments and security.

Run health checks during critical milestones and provide easy retrieval of historical health checks to track progress. Write your own rules for selecting entities specific to your environment and catch potential issues in advance.



Also perform anomaly detection on your tasks using task observer, which builds a model for detecting outliers based on throughput and the duration of the task. This helps you to identify the potential need for additional resources or to start troubleshooting for a specific anomaly.



Naming Conventions

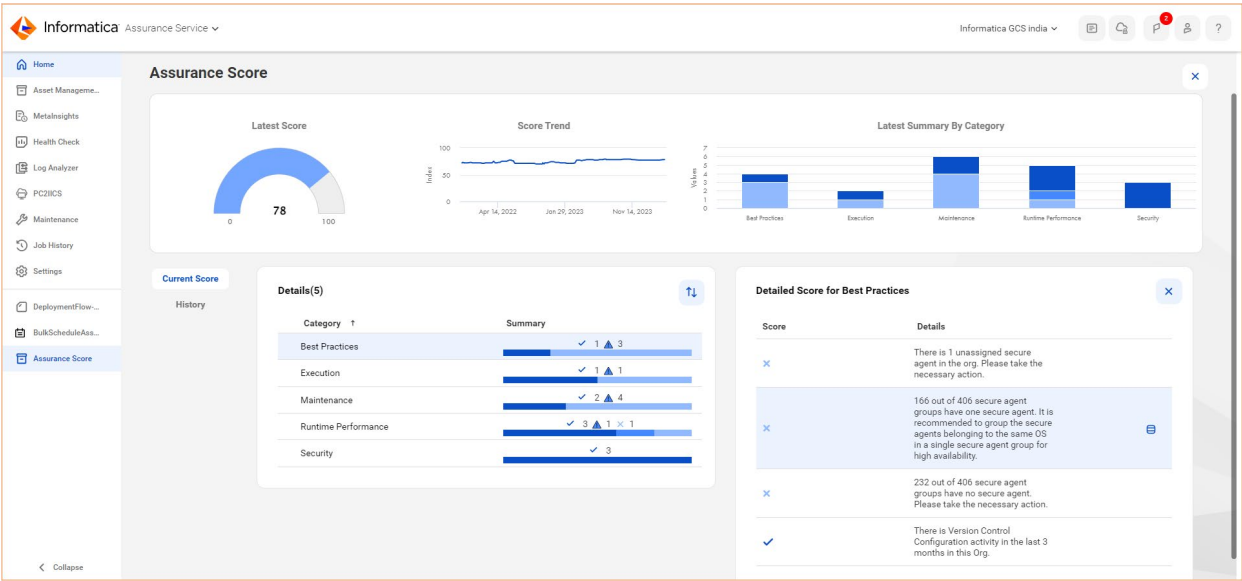
Many organizations have naming conventions to follow for their data integration assets. Add naming convention patterns specific to your organization and validate that the naming of the assets adheres to the defined patterns.

Entity Comparisons

Compare and identify differences between secure agents or mapping tasks either within an organization or across organizations. This will help in reviewing how similar or different these assets have been configured or designed across environments like development, QA, production, etc. It can also be used for troubleshooting when there are failures in one environment versus another.

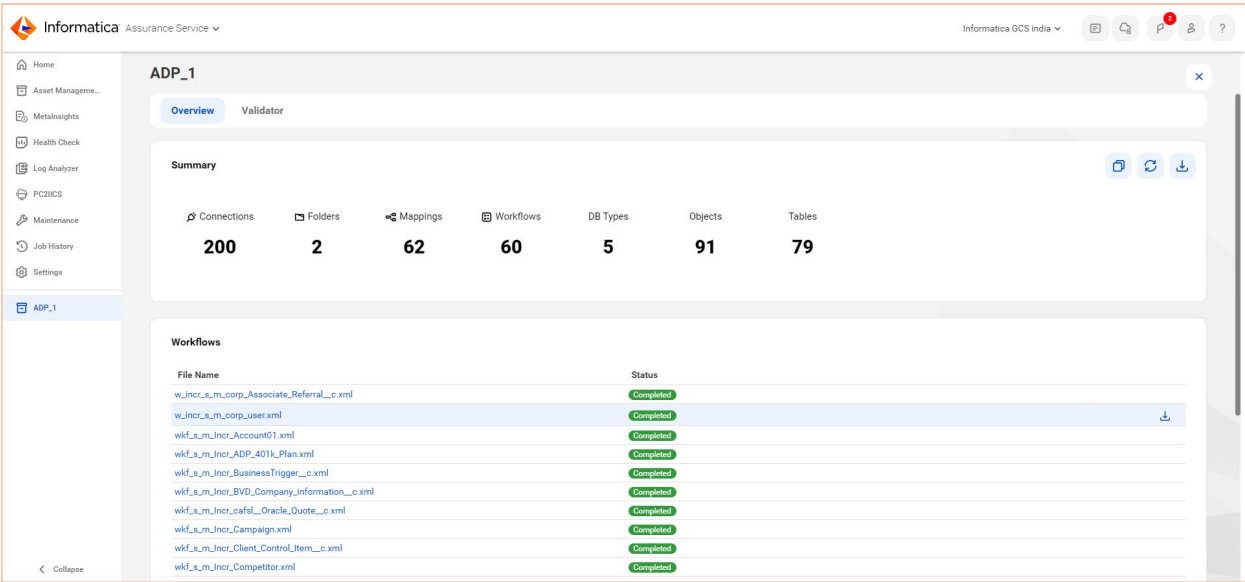
Assurance Score

An assurance score is an AI-computed score spanning multiple categories like security, performance, etc., within an organization. This helps you determine how well your data has been configured and utilized, and if there is potential room for improvement. It also acts as a governance KPI that can be measured to see how an organization is evolving over a particular period.



Cloud Modernization

If the users are in the process of modernizing their data platform to IDMC and cloud warehouses, the dependency checker will help identify potential dependencies (like SQL overrides or parameter files) that need to be managed during the migration but are not part of the core assets migration. This is a self-service report that identifies all the dependencies from workflow exports. Also, once the migration is complete, the validator can be used to check if the required database tables and columns are present in the source or target databases by leveraging the connections created within IDMC.

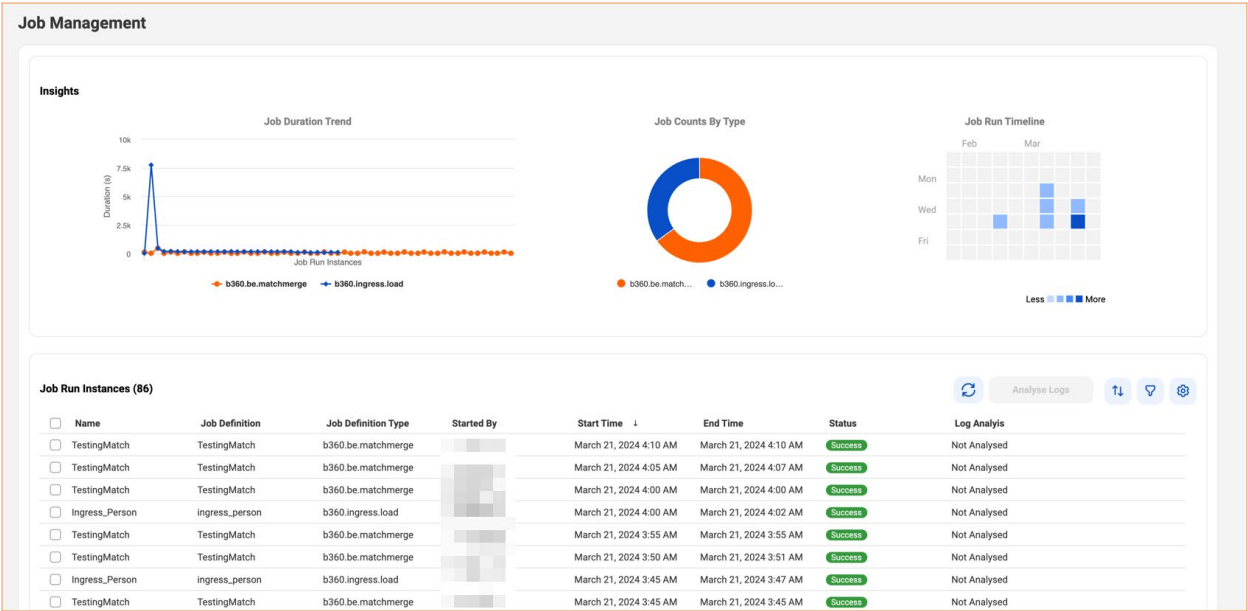


The IDMC Assurance Package focuses on deriving and providing more value based on the IDMC metadata available in an organization. It also helps simplify deployment scenarios, gain more visibility for governance, and better assess an organization's health.

MDM SaaS

Extending the capabilities of the Assurance Pack, you can now take advantage of the features to manage your MDM SaaS organization too. The following are some of the MDM capabilities of the Assurance Pack:

- Health Check:** Execute pre-configured conditions covering key best practices, performance recommendations, and organization-wide settings.
- Self-Service Log Analysis:** Get complete visibility into your job logs when you need it and understand the critical events that have happened during various stages of the job's workflow.



Reports: Get more visibility into various assets in your organization and their properties and understand the complete metadata about them. These hierarchical reports closely follow the MDM object model and provide all necessary properties and conditions to manage them better.

Take advantage of all existing features of the Assurance Pack to better manage ingress and egress workloads. Whether you are using the data integration services of the IDMC platform or just the MDM SaaS, you get the benefits of the Assurance Pack.

Key Benefits

Mitigate Risk

Mitigate risk by increasing test coverage, reducing post-upgrade issues, and improving the overall performance of your environment. With a better understanding of what to test based on feature impact analysis, you increase test coverage and minimize the risk of post-upgrade production issues. Automated health checks, identifying best-practice conditions and configuration management ensure your environment runs optimally to meet SLAs and minimize disruptions.

Reduce Costs

Reduce costs by automatically assessing the impact of releases, preparing the pre-release test environment, and enabling regression testing. Reduce testing preparation time by up to half by automatically migrating assets to test environments and using a single location to manage and track configurations and organizations. Even more time and cost savings come with understanding the impact of release features in your environment and automatically identifying critical assets for sufficient end-to-end test case coverage.

Increase Visibility

Increase visibility by proactively managing and monitoring KPIs as they relate to adoption metrics and configuration change impacts. Track key configuration changes and their impacts in one place and get complete visibility of change impacts by identifying relationships across entities. Gain more insight into your Informatica Cloud Data Integration and Informatica Cloud Application Integration environments by correlating metadata with monitoring from Informatica Operational Insights, automated health checks and notifications during critical milestones and events.

Where data & AI come to



Informatica (NYSE: INFA) brings data and AI to life by empowering businesses to realize the transformative power of their most critical assets. When properly unlocked, data becomes a living and trusted resource that is democratized across your organization, turning chaos into clarity. Through the Informatica Intelligent Data Management Cloud™, companies are breathing life into their data to drive bigger ideas, create improved processes and reduce costs. Powered by CLAIRE®, our AI engine, it's the only cloud dedicated to managing data of any type, pattern, complexity or workload across any location — all on a single platform.

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Next Steps

Learn more about **Informatica Cloud Data Integration** and **Informatica Cloud Application Integration**, services of IDMC.