

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 assure 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 application performance management for IDMC that automates several pre-upgrade and release management-related activities. The IDMC Assurance Package provides real-time monitoring, business insights, automated anomaly detection and end-to-end visibility into the environments of Informatica Cloud Data Integration and Informatica Cloud Application Integration, services of IDMC. This means you spend less time fixing issues and more time driving innovation.

Key Benefits

- **Mitigate risk** by increasing test coverage, reducing post-upgrade issues and improving the overall health of 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

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

- Increases **software development lifecycle (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. You will receive 24x7 configuration change tracking and expedited first response and incident resolution because Informatica is committed to your success. This assurance package will help reduce operating costs, mitigate risk and ensure SLAs are met.

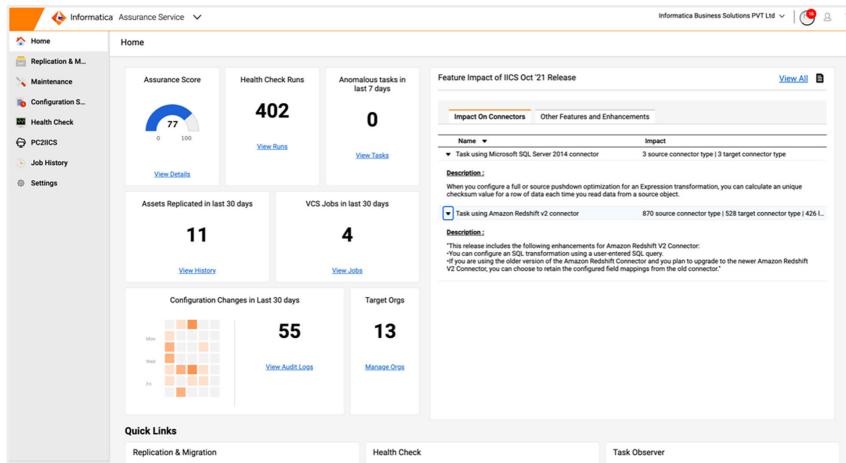


Figure 1. The IDMC Assurance Package dashboard.

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.

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 that get generated based on your current configurations to optimize your organization.

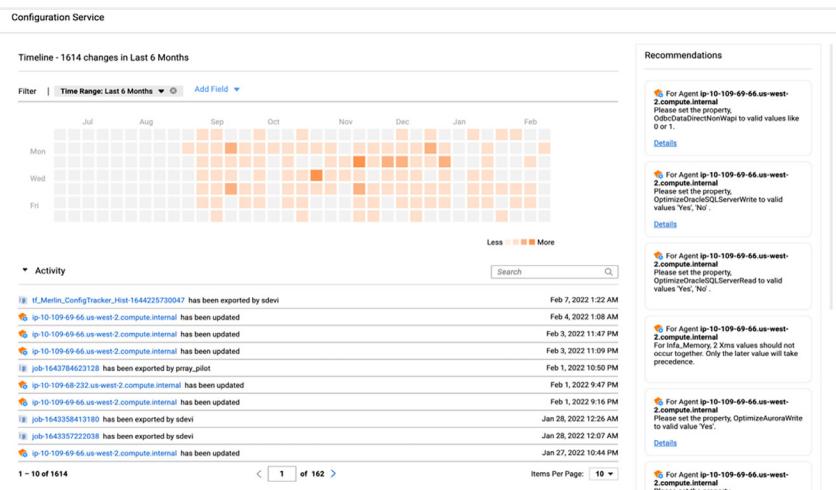


Figure 2. Automatically track changes to entities in your organization.

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.

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 select entities which are very specific to your environment and catch potential issues ahead of time.

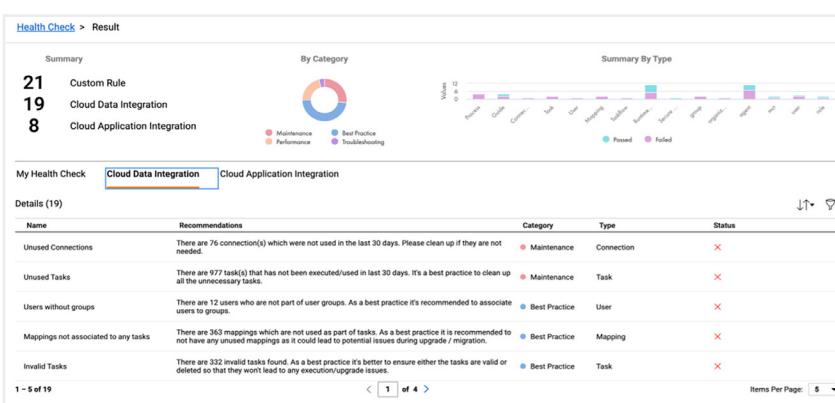


Figure 3. Example of an on-demand health check.

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.

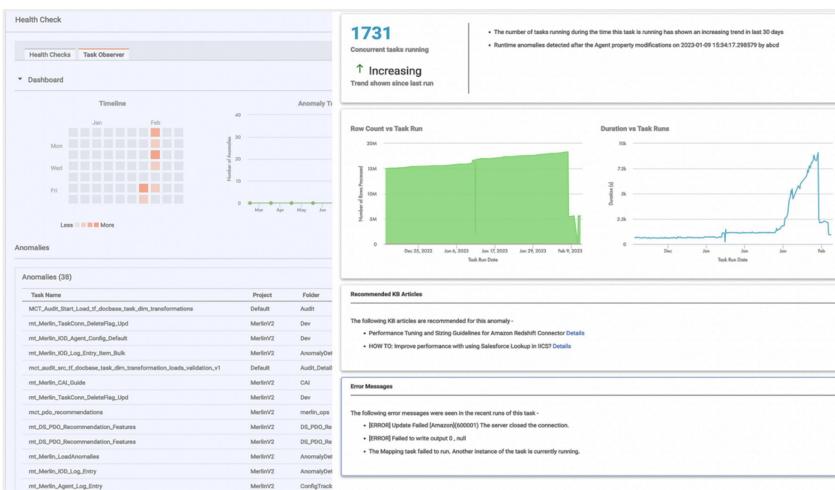


Figure 4. Insights for an anomalous task.

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 it 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.

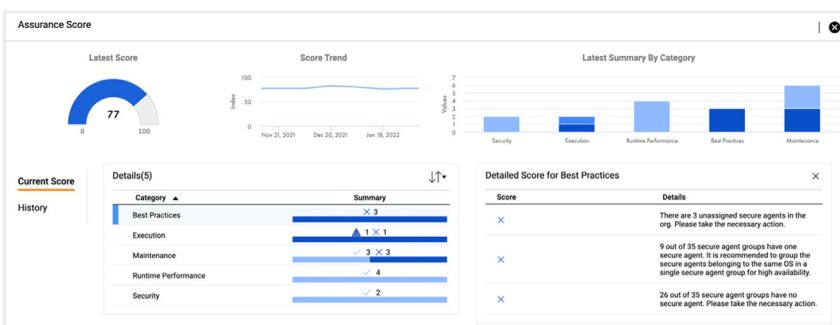


Figure 5. An example of an assurance score.

Cloud Modernization

If the users are in the process of modernizing their data platform to IDMC and cloud warehouses, **dependency checker** will help identify potential dependencies (like SQL overrides or parameter files) that need to be managed during the migration that 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 whether the required database tables and columns are present in the source or target databases by leveraging the connections that have been created within IDMC.

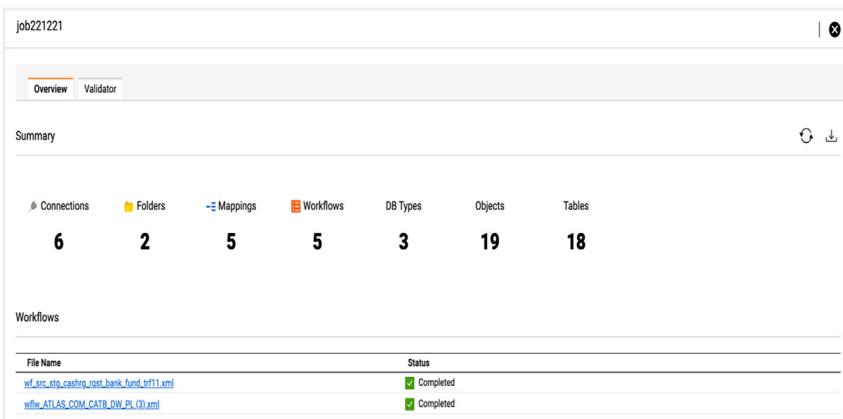


Figure 6. Cloud modernization dependency checker.

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

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 on 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.

Next Steps

Learn more about [Informatica Cloud Data Integration](#) and [Informatica Cloud Application Integration](#), services of IDMC.

At Informatica (NYSE: INFA), we believe data is the soul of business transformation. That's why we help you transform it from simply binary information to extraordinary innovation with our Informatica Intelligent Data Management Cloud™. Powered by AI, it's the only cloud dedicated to managing data of any type, pattern, complexity, or workload across any location—all on a single platform. Whether you're driving next-gen analytics, delivering perfectly timed customer experiences, or ensuring governance and privacy, you can always know your data is accurate, your insights are actionable, and your possibilities are limitless.

IN03-0323-PT3978

© Copyright Informatica LLC 2023. Informatica and the Informatica logo are trademarks or registered trademarks of Informatica LLC in the United States and other countries. A current list of Informatica trademarks is available on the web at <https://www.informatica.com/trademarks.html>. Other company and product names may be trade names or trademarks of their respective owners. The information in this documentation is subject to change without notice and provided "AS IS" without warranty of any kind, express or implied.

