

IBM InfoSphere Master Data Management 12.0 brings improved compliance support and capability to accelerate task resolution decisions with machine-learning assisted stewardship; IBM InfoSphere Global Name Management 7.0 and IBM InfoSphere Identity Insight 10.0 offer usability enhancements

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At a glance

IBM^(R) InfoSphere^(R) Master Data Management is a robust and flexible multidomain master data management solution for organizations that have critical performance, scale, and accuracy requirements for master data. New features and enhancements in version 12 help organizations to:

- Accelerate task resolution decisions with machine-learning assisted stewardship
- Support compliance with consent requirements of privacy regulations
- Accelerate deployment with Red Hat^(R) Certified Container support for Red Hat OpenShift^(R)

IBM InfoSphere Master Data Management 12 also includes updates to the associated products:

- IBM Master Data Management Cartridge for IBM Cloud Pak^(R) for Data (previously named IBM Master Data Management Extension for IBM Cloud Pak for Data)
- IBM Master Data Management Modernization

IBM InfoSphere Global Name Management helps manage, search, analyze, and compare multicultural name data sets by leveraging culture-specific name data and linguistic rules. Version 7 offers the following features and benefits:

- Improved search results with new parsing of Southwest Asian names
- Enhanced ease of use for Simple Object Access Protocol (SOAP) and Representational State Transfer (REST) APIs
- Updated transliteration of Arabic names
- Updated Arabic name variants
- Capability to extend custom culture data
- New categorization rules
- Customization of name variant generation
- Support for site-specific name-frequency data

IBM InfoSphere Identity Insight[®] is a scalable solution to detect obscured relationships, resolve entities, and find threats and vulnerabilities that are hiding across large volumes of your data in near real-time. Version 10 performs:

- Entity resolution. Enables you to identify people, organizations, or things, thereby adding to your organization's capability to determine "who is who?".
- Relationship resolution. Enables you to determine the relationships that exist between people, organizations, or things, thereby adding to your organization's capability to determine "who knows who?".
- Role-based alerting and complex event processing. Alerts upon discovery of important relationships and, with its near real-time transaction and event processing engine, when certain user-defined thresholds or usage patterns are met, thereby adding to your organization's capability to determine "who does what?".

Overview

IBM InfoSphere Master Data Management

IBM InfoSphere Master Data Management 12 is a robust and flexible master data management solution that creates trusted master data views to help improve operational business processes and analytics. InfoSphere Master Data Management can help clients realize a more robust and accurate 360-degree view of the most important domains in their business such as people, organizations, accounts, and so on.

InfoSphere Master Data Management is heavily used in local, state, and national governments, in banking, insurance, financial services, healthcare, and other industries. Its capabilities promote optimized performance and scalability to handle the demands of always-on enterprises. Example use cases of InfoSphere Master Data Management include:

- Helps healthcare clients deliver an accurate Electronic Master Patient Index to support their patient engagement initiatives and helps reduce costs and the potential for medical errors due to misidentification of patients
- Provides a key capability for banking and financial services to build Know Your Customer and other regulatory compliance solutions
- Helps governments of all sizes to improve the delivery of services to their citizens, while helping to reduce costs and improve safety
- Helps clients in all industries facilitate their transformation initiatives by better understanding their clients and partners

InfoSphere Master Data Management delivers critical capabilities such as workflow, data models, governance integration, data quality, business integration and synchronization of data, and data stewardship support across multiple domains and architectural styles for master data management initiatives. It can be purchased in the following components:

- IBM Master Data Management Cartridge for IBM Cloud Pak for Data
- InfoSphere Master Data Management Advanced Edition
- InfoSphere Master Data Management Standard Edition

InfoSphere Master Data Management 12, when used with the current version of the IBM Db2[®] database, offers enhanced data protection, scalability, and performance for database-intensive operations. Version 12 is designed to manage data more effectively and efficiently. Db2 delivers greater availability through enhancements such as online, automated database reorganization. In addition, the increased scalability and the capability to leverage the current Db2 server technology help deliver increased performance of backup and recovery processes, benefiting InfoSphere Master Data Management deployments.

The InfoSphere Global Name Management

The InfoSphere Global Name Management product is an innovative suite of name analysis and name scoring technologies that are designed to address the specific needs and demands of managing, searching, scoring, and matching multicultural name data sets. Unlike most traditional name analysis software, which is built for name data assets in western cultures using the Roman alphabet, the InfoSphere Global Name Management product is tailored to meet the unique demands of managing data sets from cultures as diverse as Anglo/European, Arabic, Chinese, Hispanic, French, German, Indian, Korean, Pakistani, Russian/Slavic, Thai, Japanese, Western African cultures, and more. InfoSphere Global Name Management supports multiple methods of customization, providing users with ways of tuning search results to fit their specific name matching requirements.

The product draws on a unique knowledge base of global linguistic data that is built from nearly a billion names gathered from around the world, integrated with more than 30 years of linguistic research and analysis of those names. Working from this knowledge base, the InfoSphere Global Name Management product leverages culture-specific name data statistics to produce fact-based name analysis that supports search/match and scoring techniques designed for the cultures of the names being processed. InfoSphere Global Name management is a name matching solution that is SAFETY Act certified by the US Department of Homeland Security.

IBM InfoSphere Identity Insight

InfoSphere Identity Insight 10 is a powerful identity and social network analysis platform that combines pioneering identity and relationship disambiguation technology with innovative event processing capabilities to quickly and automatically provide insight for threat and fraud analysis. For data to be useful, it must be put into context. By examining relevant individuals, their relationships, and their actions, InfoSphere Identity Insight 10 can produce robust data on a person's identity, relationships, activities, and behavior by employing:

- Identity matching. After InfoSphere Identity Insight 10 determines that two or more identities are the same, it integrates the multiple records into a single entity and assigns a unique identifier. All of the data about the person or organization stays with this new identifier. Additionally, the platform can help you identify the source records that provide the original information.
- Thorough relationship network analysis. InfoSphere Identity Insight platform uses the entity data that is generated during the previous step to learn whether people are, or ever have been, related in any way.

InfoSphere Identity Insight 10 uses an advanced transaction analysis method called complex event processing to gain a clear picture of entity activity and entity network activity based on transactional data. This process is designed to mine the overall information landscape in near-real time, showing all of the associations and occurrences that involve the same person or a group. If a questionable situation or pattern is detected, the system proactively generates alerts.

Key requirements

For details, see the [Software requirements](#) section.

Planned availability date

March 23, 2021

Description

InfoSphere Master Data Management enhancements

InfoSphere Master Data Management 12 offers new capabilities and significant enhancements to support enterprises' data quality, governance, and overall master data management programs:

- Stewardship Center enhancements for physical Master Data Management deployments include:
 - Capability to more quickly understand the most relevant aspects of a party record in a visually appealing summary with Overview screens, including:
 - Capture and manage consent as required by the EU General Data Protection Regulation, the California Consumer Privacy Act, and other privacy regulations
 - Key demographic information, with direct links to edit screens
 - Alerts that are associated with the party record
 - An enhanced relationship exploration map to enable seamless understanding of the party's importance and relationships across multiple domains
 - An interaction history tracker to provide insight into a party's client status and sentiment
 - Party contact preferences
 - A list of pending stewardship tasks related to the record
 - An interactive map showing the party's primary address location
 - Support for full text search.
 - Capability to quickly understand key master data management business parameters, performance, and patterns such as system statistics, activities, trends, and changes that have occurred across a specified period of time and broken into customizable intervals through the Functional Dashboard. The Master Data Management Functional Dashboard provides graphical visualizations of:
 - The number of record changes, by source or by domain, across a specified period of time
 - The number of suspected duplicate Person and Organization parties created, resolved, or deleted across a specified period of time
 - The total number of records, organized by source or by domain, across a specified period of time
 - The number of activities, by source, across a specified period of time
 - The System Activity graph that displays decomposed transaction statistics counts, which helps provide a better understanding of how transactions run internally, and a clearer picture of the total transaction activity in the system
 - Coverage for Account (Contract) domain and support for groupings (search, view, create, and maintain), including households and enhanced hierarchy functionality (history time slider, multiple hierarchy management, and support of orphan nodes).
 - Capability to create stewardship tasks based on comprehensive suspect search results.
 - Extended search capability to cover inactive person or organization records.
 - Improved user experience with control over which recently viewed items are preserved in future sessions.
 - New controls and enhancements for managing households, including household definition criteria, capability to add or remove members from a household, and movement between households.
- Capture and manage consent as required by the EU General Data Protection Regulation, the California Consumer Privacy Act, and other privacy regulations:
 - New tables have been added to the data model and new services are provided to manage consent.
 - Validity periods can be set for consent management parameters such as processing purpose, provisions, and regulations.
 - IBM Industry Models are enhanced with privacy regulation-related content, including definitions for processing activities and processing purposes. By integrating the Consent Management feature with Information Governance

Catalog, you can use the business definitions for consent in InfoSphere Master Data Management.

- Consent events can be configured to notify other systems, such as marketing or analytical systems, about consent changes in near real-time.
- Data stewards can review and update existing consent settings.
- Consent settings are available for persons in systems outside of InfoSphere Master Data Management.
- Full text search is supported.
- Virtual Master Data Management deployments can now define four default thresholds for each entity type. These four thresholds are used as default autolink and clerical review thresholds when comparing members, whether they are sourced from the same system or different systems.
- Accelerate deployment through Docker, Kubernetes, and Red Hat container certification for Red Hat OpenShift, including support for deploying Master Data Management using Helm.
 - Kafka support
 - InfoSphere Master Data Management is enhanced to send notifications to Kafka topics, including:
 - System activity monitoring
 - Updated or added suspected duplicates
 - Kafka-based stream flows that can publish data in and out of InfoSphere Master Data Management, leveraging the existing Adaptive Services Interface (ASI) for transformation of data
- Enable unique matching and searching algorithms for different lines of business or user roles.
- Automatically create households or other groupings for improved management of relationships between entities.
- Numerous updates to supporting programs and prerequisites, including new database.

Master Data Management Cartridge for IBM Cloud Pak for Data entitlements

The following entitlements are included with version 12.0:

- A shared entitlement that enables clients to run the Master Data Management as a stand-alone offering on bare metal or as containerized software on Red Hat OpenShift, with updated capabilities on Cloud Pak for Data
- Cloud Pak for Data control plane to make containerized software operational
- Cloud Pak for Data services and Red Hat OpenShift
- A fixed number of virtual processor cores (VPCs) of Cloud Pak for Data Enterprise, included to support Master Data Connect
- Highly available and scalable access to master data entities (also known as operational cache)
 - Deployment of a cache instance in another data center to move read access closer to consumers
 - Cache that is synchronized in near real time with Kafka
 - All or part of Master Data Management data model published to the cache, including data model additions and extensions
 - New JSON RESTful APIs for consuming applications

Master Data Management Modernization upgrade features

Upgraded features in version 12.0:

- Modernization upgrades offer a cost-effective way to deliver Cloud Pak for Data platform synergies while giving existing clients of stand-alone products time to modernize at a pace that works for their business.
- Clients can trade up their existing stand-alone offering to an extension and receive an equal entitlement to the base functionality of Cloud Pak for Data.

- Clients have flexibility in allocating their entitlements.
- Clients that are not ready to modernize legacy software may trade up their license entitlement to an extension and retain workloads on the stand-alone offering.
- Clients receive an additional entitlement to Cloud Pak for Data of equal virtual processor cores (VPCs) in every scenario of a modernization upgrade.
- Clients that are ready to modernize legacy software may trade up their license entitlement and gradually move workloads to the containerized extension.
- Clients that do not plan to renew IBM Subscription and Support for their stand-alone offering can get a predefined multiple of Cloud Pak for Data Enterprise Edition if they trade up their IBM Subscription and Support instead.
- Clients can allocate their entitlement of their current offering for Cloud Pak for Data at a fixed ratio.

InfoSphere Global Name Management enhancements

The InfoSphere Global Name Management product enables users to manage, search, analyze, and compare multicultural name data sets by leveraging culture-specific name data and linguistic rules. InfoSphere Global Name Management:

- Leverages a unique linguistic-based approach that is based on more than 30 years of research to address the needs of managing personal and business names from all over the world
- Conducts knowledge-based name matching that considers every name, which greatly reduces false negatives and false positives
- Performs name matching against lists and other data sources and provides likely variations
- Scores and ranks results by leveraging linguistic-based search capabilities that consider similarity of pronunciation to identify matches as well as cultural variations
- Identifies and classifies the cultural heritage, country of association, gender, and parsing of a name, allowing for actionable business decisions
- Handles transliteration from Arabic, Cyrillic, Greek, Hangul (Korean), and Kana (Japanese), which includes both Hiragana and Katakana, Hanzi (Chinese) and Devanagari (Indian), and Eastern European scripts such as Hungarian, Czech, and Polish

New in Version 7:

- Improved search results with new parsing of Southwest Asian names. Parsing of Southwest Asian names now separates the *ism* (given name) from the *nasab* (patronymics) with a new algorithm that improves name matching behavior.
- Enhancements to SOAP and REST APIs. Both SOAP and REST APIs have been streamlined, with fewer methods and more optional parameters. Two new methods for searching (*searchName*) and pair-wise name comparison (*compareNames*) simplify these tasks and reduce the number of calls needed to provide useful results.
- Updated transliteration of Arabic names. Transliteration of Arabic script has been updated to use the most common versions of known names.
- Updated Arabic name variants. Arabic name variants have been updated to include less common versions of known names, improving scoring behavior.
- Extended custom culture data. The capability to extend custom culture overrides and rules has been added, enabling both overrides and rules to include existing data.
- New categorization rules. New categorization rules (*CatRules.ibm*) provided as an available replacement for categorization rules in earlier releases. The new rules generate fewer errors on personal names and recognize a wider range of organization names.
- Name variant generation can be customized. User-defined name variant overrides for name variant generation may now be provided.

- Additional support for Korean transliteration. A secondary transliteration module for Korean names (*koreanMRTransRule.ibm*) has been added to provide the McCune-Reischauer form of transliteration.
- Site-specific name-frequency data Individual implementations may now extend or override the built-in name frequency information used by Global Name Management when performing parsing, classification, or genderization operations.

IBM InfoSphere Identity Insight enhancements

IBM InfoSphere Identity Insight 10 includes the Identity Insight Explorer application. This application enables analysts to research entities and entity relationships, and to research the disposition of role-based and event-based alerts.

The improved security model enables better security through Lightweight Directory Access Protocol (LDAP) integration and IBM WebSphere^(R) Application Server Liberty security profiles. All InfoSphere Identity Insight applications and plug-ins now recognize the WebSphere Liberty basic authentication model, which can be configured to work with other authentication providers.

All InfoSphere Identity Insight applications work with an extended SOA/Web Services layer, which has been updated with new configuration and alerting services. These components are powered by the IBM WebSphere Application Server Liberty Runtime, which provides an extendable security model for integration into third-party authentication services, offers much faster startup and stop times, and represents the current WebSphere technology.

Other performance improvements and feature upgrades include:

- A new configuration console simplifies the configuration of InfoSphere Identity Insight by combining many earlier configuration screens into streamlined interfaces (complete with embedded user assistance).
- The thin-client graph application includes new call-out features to show the key entity information.
- Performance improvements for EnhancedQuery, disclosed relationship processing, and passive-load. Includes support for Linux^(R) on Power Series^(R).

All offerings in this announcement are subject to the IBM Continuous Delivery support policy.

Accessibility by people with disabilities

Accessibility Compliance Reports (previously known as a VPAT) containing details on accessibility compliance to standards, including the Worldwide Consortium Web Content Accessibility Guidelines, European Standard EN 301 349, and US Section 508, can be found on the [IBM Accessibility Conformance Report Request](#) website.

Reference information

For more information about IBM InfoSphere Master Data Management, see Software Announcement [220-208](#), dated May 12, 2020.

For more information about Master Data Management Cartridge for IBM Cloud Pak for Data and Master Data Management Modernization, see Software Announcement [220-329](#), dated July 14, 2020.

For more information about IBM InfoSphere Global Name Management, see Software Announcement [216-481](#), dated December 6, 2016.

For more information about IBM InfoSphere Identity Insight, see Software Announcement [216-480](#), dated December 6, 2016.

Program number

Program number	VRM	Program name
5725-E59	12.0.0	IBM InfoSphere Master Data Management
5900-ACT	12.0.0	IBM Master Data Management Cartridge for IBM Cloud Pak for Data
5900-ACU	12.0.0	IBM Master Data Management Modernization
5724-Q20	7.0.0	IBM InfoSphere Global Name Management
5724-L71	10.0.0	IBM InfoSphere Identity Insight

Offering Information

Product information is available on the [IBM Offering Information](#) website.

More information is also available on the [Passport Advantage^{\(R\)} and Passport Advantage Express](#) website.

Publications

None

Services

Software Services

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Technical information

Specified operating environment

Software requirements

For the release-specific software requirements for each InfoSphere Master Data Management edition, go to the [System requirements for InfoSphere Master Data Management](#) website.

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Program identifier	License Information document title	License Information document number
5725-E59	IBM InfoSphere Master Data Management	L-JERN-BR9Q35
5900-ACT	IBM Master Data Management Cartridge for IBM Cloud Pak for Data	L-JERN-BXVRKL
5900-ACU	IBM Master Data Management Modernization	L-JERN-BXWRTV
5724-Q20	IBM InfoSphere Global Name Management	L-JERN-BRAN8L
5724-L71	IBM InfoSphere Identity Insight	L-JERN-BRANBX

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License Information number

The following License Information documents apply to the offering in this announcement:

Program identifier	License Information document title	License Information document number
5725-E59	IBM InfoSphere Master Data Management	L-JERN-BR9Q35
5900-ACT	IBM Master Data Management Cartridge for IBM Cloud Pak for Data	L-JERN-BXVRKL
5900-ACU	IBM Master Data Management Modernization	L-JERN-BXWRTV
5724-Q20	IBM InfoSphere Global Name Management	L-JERN-BRAN8L
5724-L71	IBM InfoSphere Identity Insight	L-JERN-BRANBX

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Limited warranty

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Volume orders (IVO)

No

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Variable charges apply

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Educational allowance available

Not applicable.

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