

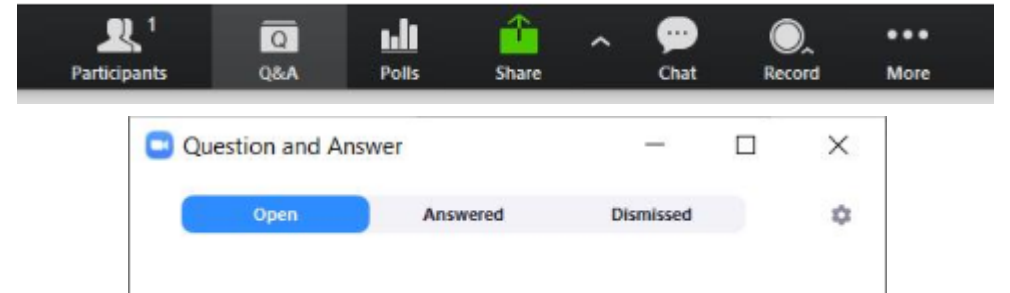
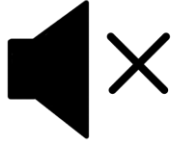
What's New in Informatica 10.4

Laxminarasimhan Veeraraghavan

Senior Manager – Global Customer Support

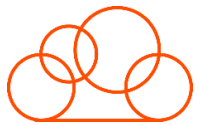


Housekeeping Tips



- Today's Webinar is scheduled to last [1 hour including Q&A](#)
- 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 to view on our [INFASupport YouTube channel](#) and [Success Portal](#). The link will be emailed as well.
- Please take time to complete the [post-webinar survey](#) and provide your feedback and suggestions for upcoming topics.

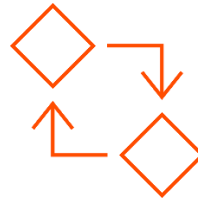
<https://success.informatica.com>



Bootstrap product trial experience



Enriched Onboarding experience



FREE Product Learning Paths and weekly Expert sessions



Informatica Concierge with Chatbot integrations



Tailored training and content recommendations



Safe Harbor

The information being provided herein is for informational purposes only. The development, release and timing of any Informatica product or functionality described herein remain at the sole discretion of Informatica and should not be relied upon in making a purchasing decision.

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

Platform 10.4



Informatica Platform 10.4 - New Certifications

OS

- Windows Server 2019
- Amazon Linux (new!)
- Ubuntu (new!)
- zLinux
- Solaris – dropped

Databases (Repository)

- Oracle 19c
- SQL Server 2019
- PostgreSQL (new!)

• LDAP/Authentication

- Cross-realm Kerberos authentication
- Support for multiple LDAP servers
- Custom LDAP type & IDP Utility
- SAML 2.0 – ADFS 2.0, ADFS 4.0, PingFederate, Oracle Unified Directory
- Azure AD

• Others

- Container (Docker) support and UI (new!)
- Kubernetes support (new!)
- Latest AMIs, VMs on ecosystem marketplace (AWS, Azure, GCP) – **WIP**
- MSVC compiler upgrade
- DD ODBC & JDBC Driver upgrade
- Java and Tomcat minor version upgrade

Release Version

Informatica Release Version naming is changing going forward and there will no “hotfix / hf” or “servicepack / sp” as part of release version

Let us take example of Informatica 10.4.0.1 release and what it means

10: Release version

4 : Major version

0 : Hotfix version

1 : ServicePack version

Data Catalog 10.4



10.4 Themes

1

Data Map for the Enterprise

Catalog **all enterprise data** and its complex relationships

2

Intelligent Curation and Collaboration

AI Based Curation + Crowd Sourced Annotations to help classify and label all data elements

3

Unmatched User Experience

It just works! for self service analytics, data governance and metadata management

4

Deploy at enterprise scale

Scan vast number of systems across on-premise and cloud to get a complete enterprise-level understanding of data

5

Data Provisioning

Simple, **data provisioning** experience to discover, select and deliver data using state-of-the-art data integration

6

Open and Extensible Metadata Platform

Open with full API access to cataloged content, serve users where they are

PAM Changes

- **Existing**

- Hive, HDFS on CDH 6.1, 6.2
- Hive, HDFS on HDP 3.1
- Oracle 19c
- MS SQL Server 2019
- Informatica Platform 10.2 HF2, 10.2.2HF1, 10.4
- Informatica PowerCenter 10.2 HF2, 10.4

- **New**

- Informatica Data Quality 10.2HF2, 10.4
- SAP BW 7.4 and 7.5
- Azure Power BI
- Google Cloud Storage
- AWS Glue
- Snowflake
- Cassandra 3.11

Remote Scanner Support PAM (New in 10.4)

- Amazon Redshift
- Amazon S3
- Azure Data Lake Store
- Azure Microsoft SQL Data Warehouse
- Azure Microsoft SQL Server
- Google BigQuery
- Microsoft Azure Blob Storage
- Salesforce
- Workday
- Axon
- Business Glossary
- Custom Lineage
- Database Scripts

- Informatica Intelligent Cloud Services
- Erwin
- SAP PowerDesigner
- IBM Cognos
- QlikView Business Intelligence
- SAP HANA
- Snowflake
- AWS Glue
- Google Cloud Storage
- SAP BW
- SAP BW/HANA
- PowerBI
- Cassandra

- *In 10.2.2, support for Oracle, SQL Server and Teradata*
- *In 10.2.2 HF1: Sybase, IBM DB2 LUW, IBM DB2 z/OS, Netezza, Mysql, JDBC, PowerCenter, Informatica Platform, File Systems, Tableau, MicroStrategy, Hive, HDFS, Cloudera Navigator, Atlas*

Data Engineering Integration

**DEI (Previously BDM)

Strategic themes for 10.4



Enterprise class

- CLAIRE based recommendation
- CI/CD & Rest initiatives
- Docker & Containerization enhancements
- Debugging enhancements
- Innovation : Blockchain Integration



Spark

- Spark 2.4.1 support
- **Functionality:** Profiling & B2B
- **Hierarchical Data processing:** HTYPE midstream parsing, data preview, ISD improvements
- **Additional Connectors** on Spark – JDBC



Cloud

- Azure, AWS and GCP
- **Databricks:** Databricks Delta support on Azure & AWS, Additional Tx
- **Azure ADLS Gen2** support

New Features

- **CI/CD & REST initiatives:** Use REST APIs to deploy, update, and query objects and to compare mappings that you develop in a CI/CD pipeline.
- **CLAIRE® recommendations and insights:** Provides best practices recommendations for mappings during design time. It also gives insights into mapping design patterns.
- **Debugging enhancements:** Collect aggregated cluster logs for a mapping in the Monitoring tool or by using an infacmd ms command.
- **Blockchain support:** Connect to a blockchain to use blockchain sources and targets in mappings that run on the Spark engine. **(Technical Preview)**
- **Advanced Spark**
- **Data Processor on Spark:** Process unstructured and semi-structured file formats using the Data Processor transformation on the Spark engine.
- **Profiling on Spark:** Run profiles and choose sampling options on the Spark engine. You can perform data domain discovery and run scorecards on the Spark engine.
- **Hierarchical Data Processing enhancements:**
 - **Midstream hierarchical data parsing:** Parse hierarchical JSON and XML data in a midstream string port using intelligent structure models and complex functions.
 - **Data preview:** Preview hierarchical data using the Spark Jobserver in the Amazon EMR, Cloudera CDH, and Hortonworks HDP environments. Spark Jobserver allows for faster data preview jobs.
 - **Intelligent Structure Discovery improvements:** Processes additional input types such as ORC, Avro, and Parquet, creates an intelligent structure model from a sample file at design time and arranges unidentified input data in the sample file as a structured JSON format in the output model.

2019 PAM Roadmap

May

10.2.2 SP1

- CDH 6.1
- HDP 3.1 Tech Preview
- MapR 6.1
- EMR 5.20

July

10.2.2 HF1

- CDH 6.2
- CDH 5.13, 5.14
- HDP 3.1 Tech Preview

Sept

10.2.2 HF1SP1

- HDP 3.1 GA
- ADLS Gen 2 on Hive
- Qubole R53
- Databricks 5.3
- Wan Disco
- Google Dataproc 1.4

Nov

10.4

- CDH 6.2, 6.3, 5.16
- HDP 2.6, 3.1
- MapR 6.1
- HDI 4.0
- EMR 5.26.0
- Databricks 5.5
- Qubole R56
- Google Dataproc 1.4

10.4 Installer

10.4.0 Installer - HLU

- Single unified installer for both PC and BDM/DE customer with UI changes from BDM to DE.
- Domain configuration option is the common selection for PC and BDM customer.
- PWH and CMS new configuration wizard is added.
- CCO api enhancement to support HD insight cluster for both admin and AAD user.

BDM Configuration & CCO

- New encryption utility is added to encrypt password fields in silent response file.
- PCRS and IS configuration new wizard is added
- DB usage recommendation:
 - -Auto load the DB information filled in i10pi in main installer.
 - - Query based recommendation to use different DB's for multiple services.

Domain Configuration

- Web based new gen framework implementation is in progress using React.js(Droplets) as client and Spring boot server.
- UI/UX feedback is complete and incorporated.
- Deploys Informatica BDM or PC containers to the RHEL/Centos on premise or to AWS .
- Next slide has more information...

Container utility

- Silent install mode is added for i10pi to verify system requirements.
- Ubuntu , Microsoft windows 2019, Amazon Linux support added from installer and i10pi and launcher api's are modified .
- PostgreSQL support added for i10pi, Domain, MRS, PCRS.

PAM Support

PAM Details

- New OS Support
 - Windows 2019
 - Ubuntu 16.04.5 (min certified)
 - Amazon Linux (for AWS deployments)
- New DB Support
 - PostgreSQL (Domain / MRS/PCRS)
- Impact - I10Pi, Pre-Upgrade checker and Installer

What is Informatica Container Utility?

- You can create the Informatica standard images for PowerCenter and Data Engineering products and then can create containers using Docker or Kubernetes.
- It also provide an option for one click deployment by downloading and running the standard pre-built image of BDM and PC with bundled PostgreSQL DB bundle and centos base operating system.
- Deploys Informatica PowerCenter and Data Engineering containers to the RHEL/Centos on premise or to the AWS cloud environment.

10.4 PowerCenter

PowerCenter 10.4 Platform New Certifications

OS

- Windows server 2019
- Amazon Linux

Databases (Repository)

- Oracle 18C, 19C
- SQL Server 2019
- PostgreSQL 10.6

Connectivity New Certifications

- Application connector certifications
 - PWX for JD Edwards (JDE 9.2)
 - PWX for Essbase (runtime only - Essbase 11.1.2.4)
- Relational connector certifications
 - Oracle 18C, 19C
 - SQL Server 2019
 - MQ 9.1 and JMS 2.0

New Connectors and Enhancements

- New connectors
 - DB2 Warehouse on Cloud (IIAS/DASHDB)
 - PostgreSQL (native connector)
 - Microsoft Dynamics 365 for Sales (Rest API based)
- Oracle (added support for)
 - Oracle instant client (Only for PowerCenter Designer metadata import)
 - Oracle 19c RAC
 - Impersonate user name in the Oracle connection
- Other connectors with feature updates
 - Salesforce, SAP NetWeaver, Google BigQuery, Google Cloud Storage, Greenplum

Domain Security – New Features

- Use different SAML identity providers for different applications (e.g. Admin console, Analyst tool)
- Supports any identity provider that complies with SAML 2.0 specification
- Support for one or more LDAP directory services (added in 10.2 HF2)
- Infacmd enhancements to support one or more LDAP directory services

Operational Insights for
PowerCenter, DataQuality,
Data Engineering Integration(DEI)

New - Pricing for on-premises products

- **Operational Insights for PowerCenter or DEI or Data Quality**
 - **Base edition—Free** annual subscription (Base edition renewed annually)
 - Data retention = **30 days (rolling window)**
 - Number of PowerCenter or DEI or Data Quality installations/domains included (prod and non-prod) = **10**
 - **Advanced edition**
 - Increase data retention to 12 months
 - Auto Scale
 - Increase number of domains
 - CLAIRE alerts – Anomaly Detection
 - Custom job alerts*
 - Connection Analytics*
 - More on the roadmap

* Roadmap

How to sign-up for Operational Insights ?

Customer Type	How to get Operational Insights
customers with only on-premise products	Sign up now for free Operational Insights for on-premises products base edition subscription! https://www.informatica.com/subscriptions/operational-insights.html
IICS customers with on-premise products	Contact Global Customer Support to enable Operational Insights for On-premises products base edition in your cloud org.
IICS customers	Automatically get Operational Insights for Cloud Services

Questions?



Thank You!
