Chart your path to the IBM Integrated Analytics System, as Netezza TwinFin & Striper go end of support
Recently, it was announced that IBM® Netezza® TwinFin® (all N2001) models and Striper (all N2001) models from 2009 to 2014 will reach end of support as early as June 20, 2019.

This announcement coincided with the release of the IBM Integrated Analytics System (IAS), a next-generation appliance based on more than 20 years of Netezza technology, built for expanded data warehousing, faster data science and machine learning (ML) — all within a single, cloud-ready platform.

With the new release of the IAS, IBM continues its data warehouse market leadership and commitment to client success by providing a fee-waived, seamless data migration upgrade path and strategy. The fee-waived services include an migration assessment, install services, database and data migration to the new environment, as well as adapting ETL (DataStage®/Informatica) to the new environment—all of which help you to retain your existing architecture in the new system.

This guide is designed to help you understand the opportunities and milestones of transforming your data warehouse operations and moving to a next-generation Netezza platform. Whether you upgrade to the IBM Integrated Analytics System or a managed offering such as IBM Db2® Warehouse on Cloud, now is the perfect time to plan your upgrade and avoid any lapse in support for your critical business workloads.
The IBM Integrated Analytics System
A next-generation hybrid data warehouse for doing data science faster

Improved performance (up to 5X compared to previous Netezza models), built-in data virtualization, machine learning tools and cloud readiness are a few of the benefits of the IBM Integrated Analytics System.

This high-powered analytic appliance accepts multiple types of data from different locations, including traditional data warehouses, federated data from Db2, Hadoop, and even third-party data sources via the Common SQL Engine. Other significant features include in-place incremental hardware expansion and multi-temperature storage expansion.

The IBM Integrated Analytics System also supports your data scientists as they quickly create, train and deploy machine learning models with embedded Watson™ Studio and Apache Spark. In addition to providing in-database analytics, IAS support for Python and R enables data science and machine learning at scale. With a unified platform that creates a collaborative environment for data scientists, DBAs and other data professionals, the IBM Integrated Analytics Systems fits neatly into any hybrid data management strategy.
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**Improved performance (up to 5X on average)** and petabyte scalability with BLU Acceleration® columnar technology, flash storage standard and in-place scale out of compute and storage, supporting structured and unstructured data.

**Cloud-ready for multiple deployment options** to shift workloads within public cloud, private cloud and on-premises environments based on application requirements.

**Leverages the Common SQL Engine**, embedded Spark for low latency and built-in data virtualization for workload portability and skill sharing throughout your hybrid infrastructure.

**Built-in Watson Studio (formerly DSX)**, a complete data science environment, to help data scientists collaboratively analyze data, train, persist and score machine learning models, and leverage tools such as Jupyter Notebooks.

**Based on over 20 years of Netezza technology**, now with the flexibility and elasticity of cloud housed in your data center where security and compliance can be enforced.

**Pre-configured and optimized** (developed, tuned and tested) for massively parallel processing of large data volumes to simplify installation, management and administration.
IBM Migration Services involves project planning, analyzing, configuring, deploying, and validating to ensure your upgrade process is as smooth and seamless as possible. Decades of migration experience, dedicated project managers, highly efficient tooling and service capabilities to streamline the migration process all help ensure your business can quickly begin capitalizing on the benefits the IBM Integrated Analytics System offers.

Once the final test check is accepted, your IBM Integrated Analytics System is ready to go live, with IBM providing continued support to help you operate and get the most from your newly migrated environment.

Migration Assessment
Identify databases and associated applications (custom and 3rd party), workloads and tools. Determine 3rd party support of IAS/Db2 deployment or alternative application to 3rd party, including any ad-hoc processes.

Proof of Concept (optional)
If desired, IBM can deliver a proof of concept (POC) to validate hardware requirements, define and sign-off on exit requirements as well as the actual execution and validation of the POC.

Planning
Gather data inputs and develop an upgrade and strategy plan. This will include DDL, application list, usage details, and operations to build out a project plan and agreed-upon worktimes based on customer schedule and test profiles.

Conversion
Prepare and move database schema objects and data, adapt ETL jobs, and set up operational needs. Once completed, data will be loaded into IAS, with adapted tools for connected apps and target environment setup.

Testing and Validation
Integration and stress testing driven by the client and supported by IBM to verify the system, including the database functionality as well as ETL and application integration.
Frequently asked questions for migration

Is Netezza going away?
Netezza is not going away. However, certain models such as Netezza TwinFin (all N2001) and Striper (all N2001) from 2009 to 2014 will reach end-of-support as early as June 20, 2019.

Why should I upgrade now?
The most compelling reason to upgrade now is to avoid having your business-critical workloads left unsupported. You also have the chance to capitalize on the IAS’s performance and new capabilities that include embedded data science and machine learning on a cloud-ready platform to meet the growing challenges of AI, ML and easy integration into hybrid data environments.

How much time is required to set up the IBM Integrated Analytics System?
The IBM Integrated Analytics System is shipped as a single performance-optimized system for data warehousing and analytics, and can be data-load ready within hours of arriving in your data center.

How long does it take to migrate?
End-to-end time will depend on your specific environment and needs. Some customers move in a matter of weeks while others can take 3 months or more, depending on details such as the number of environments and surrounding ecosystem. After migration, run your existing Netezza applications with little or no change. Most customers will achieve up to 90-95% compatibility and IBM offers tools to help address any inconsistencies.

Does the fee-waived upgrade also apply to migrations from Netezza/PureData System for Analytics to Db2 Warehouse local or Db2 Warehouse on Cloud?
Yes, the fee-waived program applies when migrating Netezza/PureData System for Analytics to any Db2 family Common SQL Engine form factor such as the IAS, Db2 Warehouse local or Db2 Warehouse on Cloud.

How can I leverage IAS if I decide to move to the cloud later?
The IBM Integrated Analytics System is your bridge into a new hybrid world, allowing workloads to be shifted between public cloud, private cloud and on-premises environments, based on your application requirements.

How secure is the IBM Integrated Analytics System for my data?
The IBM IAS is designed for very high levels of security, benefitting from automated encryption for data at rest and in motion, database activity monitoring, database access control for authorizing users, and deployment hardening. Users can eliminate on-premises port scans and other network security threats to address concerns related to regulatory compliance, privacy and security.
How to start your migration today

To begin your move to the IBM Integrated Analytics System, contact your local sales rep and request a migration assessment.

You can also simply schedule a consultation with one of IBM’s data management experts to chart your migration path.