

ZAIDYN Data Hub R13 Release Preview

Staging: May 30, 2025

R13 introduces new capabilities which elevate operational efficiency and improve the user experience. Key highlights include: partial execution of business workflows for greater flexibility, standardized email notifications enriched with actionable insights, and Statistical Anomaly Detection to identify data deviations. Additionally, performance optimizations and usability enhancements make the platform faster, smarter, and more intuitive than ever.



Objective

Enable **selective execution** by introducing the ability to **activate or deactivate individual nodes** in Processes and Flows within Business Workflows.

Introduce **Statistical Anomaly Detection using ZAIDYN Algo Flow** within BRE to proactively identify unusual data patterns during data processing.

Standardize email templates for failed components within Business Workflows, allowing native applications to monitor operations easily.

Introduce **Operator** personas (**Ops Analyst and Ops Analyst Internal**) to access the Cluster Operations module and perform essential cluster operations and configurations directly through the platform.

Impact



→ **Reduces troubleshooting time** by allowing partial execution of workflows without cloning or re-executing them. This is especially **useful in large and complex workflows**.

→ **Improves data quality** by flagging anomalies in near real-time, enabling proactive measures and informed decision-making.

→ **Increases workflow monitoring productivity by ~10%**, enabling faster data-driven decisions for users.

→ Decentralizes cluster operations and configurations which **reduces reliance on Administrators**, empowering Operators to manage clusters independently.

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Objective

Upgrade EMR from version 6.13.0 to 7.3.0 to enable the latest features, performance improvements, and security enhancements.

Standardize ZDH system-generated notifications and alerts by using a unified email ID: **noreply@zaidyn.zs.com**.



Impact

Provides **enhanced stability**, improved support for newer applications and libraries, and ensures **continued compatibility with evolving AWS services**.

Improves **email recognition**, ensures consistent communication, and reduces the risk of emails being missed or flagged as spam.