

# ZAIDYN Orchestration Engine R28.1 Release Preview

Staging: December 17, 2025

This release introduces GPU-based prediction for Omni-BERT models, adds support for the ALL keyword in invalid channel–content rules, and upgrades the model execution environment to Python 3.11. These updates improve prediction efficiency, simplify configuration, and ensure future compatibility.



## Objective

Enable **GPU-based prediction** for **Omni-BERT** Next Best Action models to improve **processing speed**, scalability, and model performance.

Add support for the **ALL keyword** when defining **invalid content-and-channel** combinations, **simplifying configuration** and improving rule management.

Upgrade the **model execution** environment to **Python 3.11** while maintaining **backward compatibility** with **Python 3.9** to ensure **smooth transition** and uninterrupted model operations.



## Impact

**Reduces the overall prediction cost** while efficiently predicting **multiple touchpoint** per day.

Allows marketing teams to **define invalid content–channel combinations** with a **single configuration**, reducing effort and simplifying rule management.

Improves **performance**, ensures compatibility for **new and retrained models**, and **future-proofs model workflows** with a more modern and supported runtime.