

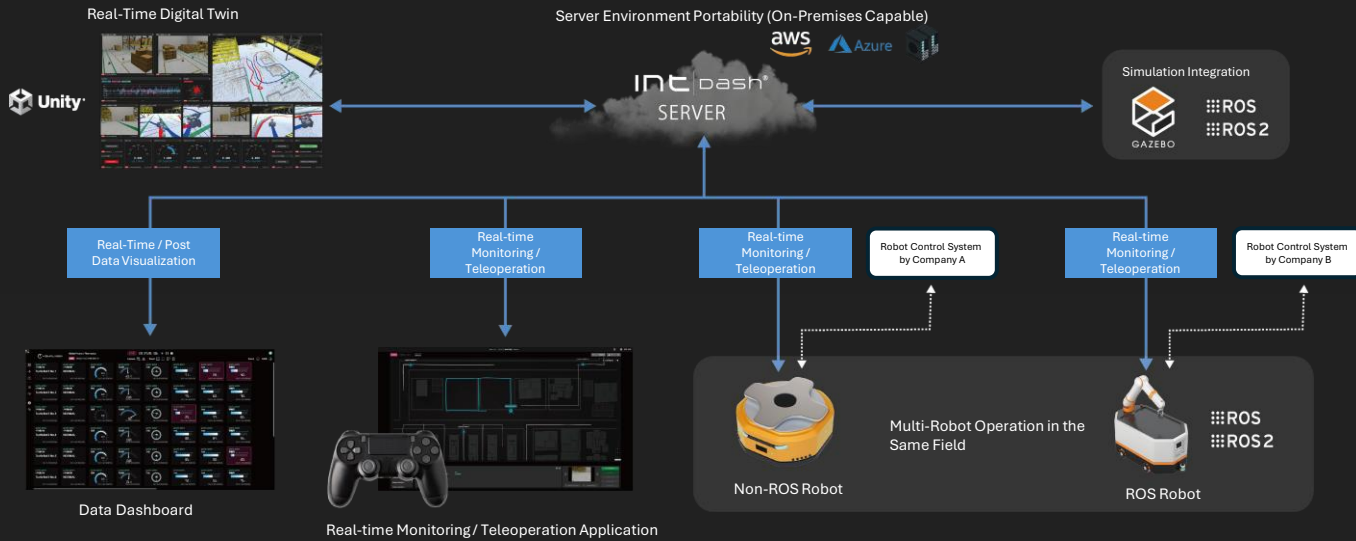
IoT Platform for RobOps

"intdash is designed to support RobOps (Robot Operations), facilitating seamless integration and management of both ROS and non-ROS types of robots in various operational environments. It comprehensively supports functions essential to RobOps, such as real-time monitoring, remote control, multi-robot coordination, and digital twin environment creation. This platform enables efficient deployment, data collection, visualization, and control of internet-connected robotic systems, ensuring robust and scalable robotic operations."

Robot System Construction Utilizing intdash



Example of Application Architecture



Data Visualization Dashboard: Visual M2M Data Visualizer

A general-purpose web visualization dashboard tool that enables real-time rendering and playback of various IoT data, including not only ROS data but also data from sensors such as GPS and IMU, control buses like CAN, and even video and audio streams. This versatile tool allows users to monitor and interact with diverse data sources in real time, making it an essential tool for managing complex IoT and robotic systems through a unified interface.



ROS1/ ROS2 Data Visualization

Supports Video (H.264) / Audio

Visualization of Control Bus Data, such as CAN

Enhanced Visualization for ROS Data

Supports Visualization of PointCloud and LaserScan

Supports Joy Command Transmission from Browser

Supports Image streaming