

Enhanced Service Operations

The Story of Infor Augmented Intelligence in the Service Order Life Cycle Management

https://community.developer.infor.com/categories/hackathon

Niraj Kakodkar

MIDPORT scandinavia

Honorary Mention Infor hackathon 2024

Who are we?



ESTABLISHED 2003



PRIVATELY OWNED



5 OFFICES - HQ IN STOCKHOLM



85+ CONSULTANTS



150+ MSEK REVENUE

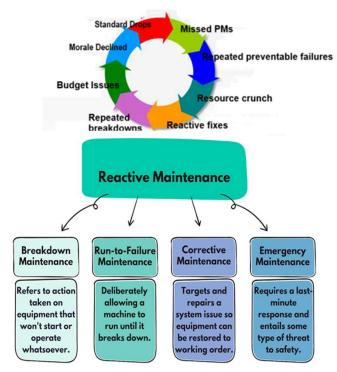
y, y, y, ∙ố dêg ỗṣṭŝĕcồëdồcỳdó ĕỗố

Agenda

- The challenges of reactive maintenance.
- How Augmented Intelligence enables proactive efficiency.
- Real-world applications and possibilities.
- Platform features

The Challenge: Reactive Service Operations







The Thought: How to come out of the reactive chaos?

- What if we could predict and prevent the issues before they happen?
- What if we could allocate resources more effectively?



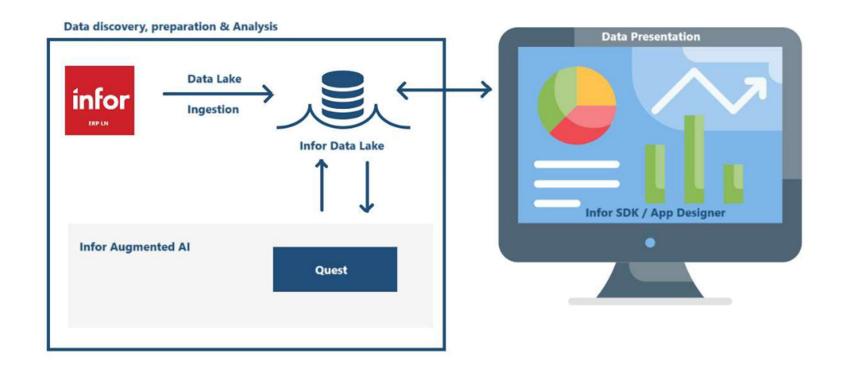
Augmented Intelligence

Turning the reactive chaos into proactive efficiency



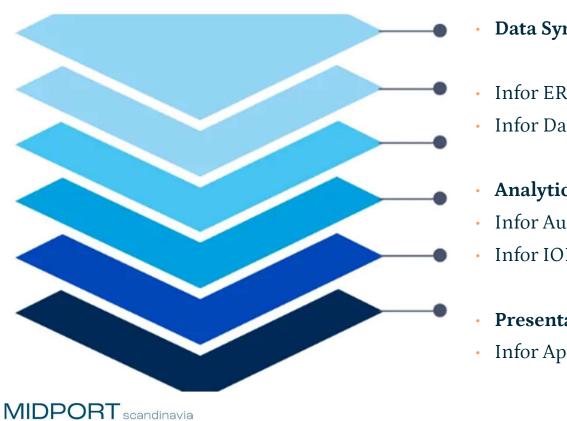


Solution Architecture





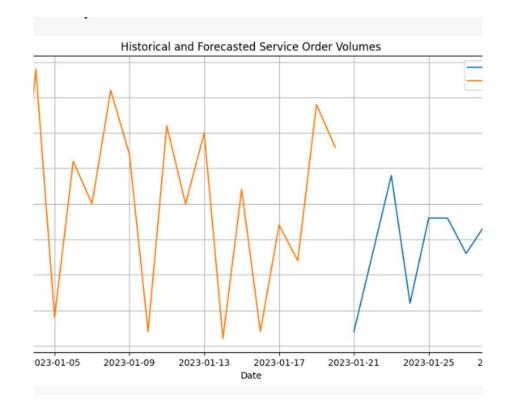
Tech Stack



- **Data Sync & Storage**
- Infor ERP LN Data Publish Management
- Infor Data Fabric
- **Analytics & Decision Support**
- Infor Augmented Intelligence service
- Infor ION / Data Fabric APIs
- Presentation
- Infor App Designer & Workspaces / Infor BIRST

Demand Forecasting

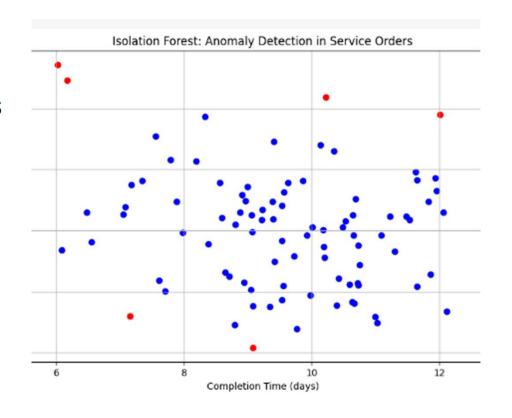
- Predictive Analysis
- **Goal**: Predict future service order volumes to optimize resource allocation.
- Data source: ERP LN Service Orders
- Model used: DeepAR



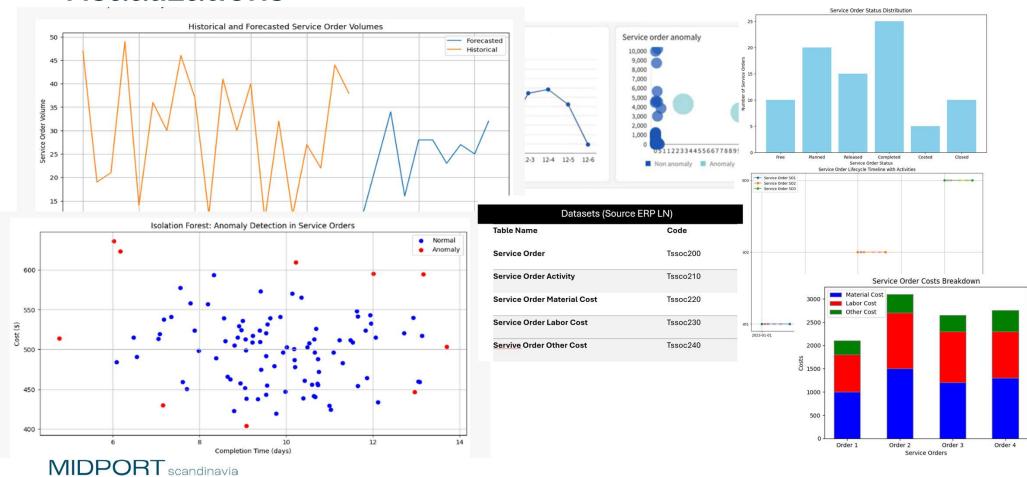


Anomaly Detection

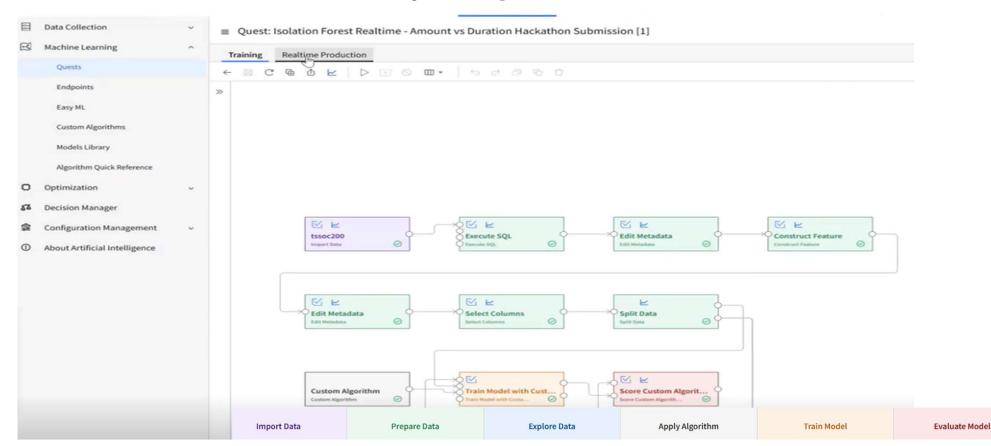
- Goal: Identify unusual patterns in service orders that may indicate issues like delays or cost overruns.
- Data source: ERP LN Service
 Orders & costs
- Model used: IsolationForest



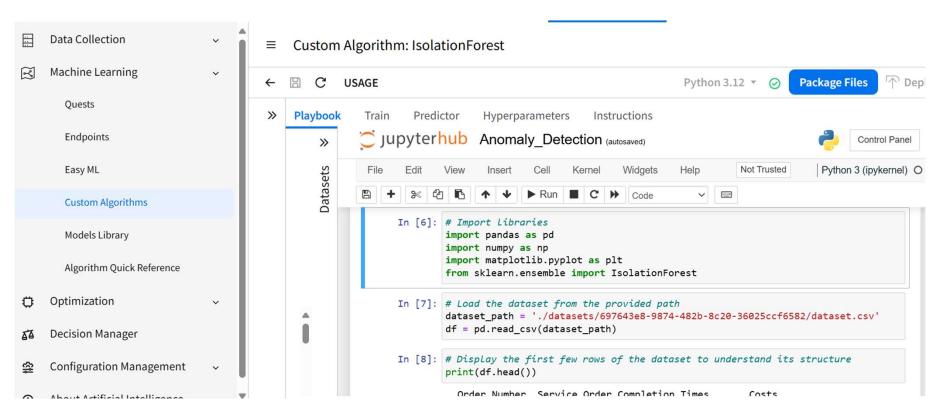
Visualizations



Platform Features: Easy drag & drop interface

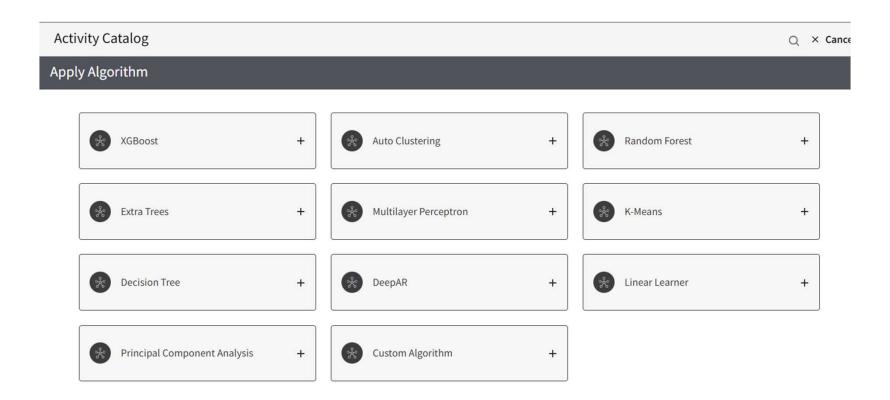


Platform Features: Native support for Jupyter Notebook





Platform Features: Out of the box models





The Triumph: Real-World Impact

- With Augmented AI solution, Sarah's team reduced downtime, improved resource allocation, better efficiency and increased customer satisfaction. But this isn't just Sarah's success story it's a glimpse of what's possible for all of us.
- Manufacturing Industry:
- * Predict equipment failures.
 - * Reduce unplanned downtime.
 - * Saved millions in repair costs.
- Logistics Sector:
 - * Optimize technician schedules
 - * Improved on-time service delivery.





Beyond Sarah: Industry-Wide Potential

- Demand Forecasting & Inventory Optimization
- 1. AI-driven predictions: Analyzing historical sales data, market trends, and external factors (weather, economic shifts) to forecast demand.
- **2. Real-time inventory optimization:** AI adjusts stock levels dynamically to avoid overstocking or stockouts.
- Supplier & Procurement Intelligence
- **1. Smart supplier selection:** Assess supplier reliability based on past performance, delivery times, and risk factors.
- Predictive Maintenance
- **1. AI-driven equipment monitoring:** IoT sensors collect data to predict machine failures.
- **2. Reduced downtime:** AI suggests maintenance schedules based on usage patterns.





KEYTAKEAWAYS



- It enables proactive maintenance, smarter resource allocation, and happier customers.
- It enables you to turn the reactive chaos to proactive efficiency
- And most importantly, it's a solution that's ready to transform your operations today.

Thank you



Contact Information

Email: nka@midportscandinavia.com



@thekakodkar