



Harness the power of Infor OS:
Transform your digital
landscape



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Innovation Showcase

Use Case - Pump Maintenance through SCADA

At an operational level, collect IoT datapoints at 2 minute intervals.

Use Machine Learning to detect issues and provide potential causes.

Automatically raise relevant work items where necessary.

Finally, store all data in the Data Fabric for use in analytics and in context widgets.

Use Case - Pump Maintenance through SCADA

The screenshot displays the Infor Data Lake Flow Designer interface. The top navigation bar includes Home, Portal, Security, Document Management, API Gateway, ION, Data Fabric, Digital Assistant, Artificial Intelligence, Mongoose, App Designer, Mobility, RPA Management, and Personal In. The main title is "Data Lake Flow IOT_PumpData_to_DataLake".

On the left sidebar, the workflow details are shown:

- Name: IOT_PumpData_to_DataLake
- Description: (Empty text area)
- Status: Active
- Last Updated by: Joel Magnetti
- Last Updated on: Dec 18, 2022, 2:39:02 PM
- Last Activated on: Oct 19, 2023, 12:21:05 PM
- Notifications: 0 (red), 0 (orange)
- Show Less

The central workspace contains a flow diagram with the following steps:

- Start
- Pump SCADA...
- Machine learning
- Decision diamond (No/Yes)
- Call Workflow (Yes path)
- convert json to ... (No path)
- IngestToDataL...
- End

At the bottom, the "Application Activity Properties" section is visible:

Name: Pump SCADA data, Description: (Empty)

Application	Description
IOT_PumpData	



Use Case - Pump Maintenance through SCADA

The screenshot displays the Infor Asset Manager interface with the following components:

- Top Navigation Bar:** Shows tabs for Asset Manager, Search Invoices, Budget Scenarios, Project Manager, and Public Sector. The user is identified as Reece Harrison.
- Shortcut Menu:** Lists various actions such as 'Asset and Work Analytics', 'Present Condition Report', 'Asset Browser', 'Lookup Asset Valuations', 'Map Browser', and 'Work Management Shortcuts'.
- Task List:** A list of tasks with a filter set to 'Older' and 'ID: 15224'. The first task is 'An unspecified issue has been detected by Co...' with a timestamp of 31/05/2023, 5:20:05 pm.
- Workflow Viewer:** Shows a workflow diagram for 'IoT_PumpData_precalc_ML_1' (Workflow ID: 20150). A task box for 'Task 1' (R. Harrison, ID: 15224) is highlighted. The workflow includes decision diamonds and action boxes like 'Create defect...' and 'Add sensor data'.
- Asset Analysis Panel:**
 - Assets / Asset 360:** Includes filters for 'Open Service Requests' (64), 'Scheduled Work Orders' (8), 'Completed Work Orders' (8), and 'Location Movements' (0).
 - Asset KPI Timeline:** A line chart showing 'W/O/SR' and 'Mileage' over 'Week of Year'.
 - Service Requests By Priority and Status:** A horizontal bar chart showing counts for '(is missing)', 'Priority 3', 'Priority 1', 'Priority 2', 'Priority 4', and 'Priority 5'.
 - Selected KPI:** A dropdown menu currently set to 'Open Service Requests'.
 - Asset KPI inside Cohort:** A bar chart showing 'Asset KPI' values.



Use Case - Pump Maintenance through SCADA

The screenshot displays the Infor SCADA interface with a 'Task' window open. The task details are as follows:

Parameter	Value
asset	4713
assetdesc	Water Pump - WPMP-20061201
flow	189
moisture	1
noise	49
temp	14
vibration	3

Buttons: Unassign, Assign, Create Investigation Work Order, Ignore alert

Task ID: 15224 | Workflow ID: 20150

ChatGPT Suggestion:

Possible issue suggestions from ChatGPT:
1. Low Pressure - The most common cause of low water pressure in a pressure boosting system is clogged strainers. Try clearing out the strainers and check for any blockages or accumulated debris. 2. Leaks - Leaks in the system are another common problem. Check for any loose connections or cracks in the system, and repair or replace any damaged components. 3. No Power - If the system won't start or the pump won't run, check the main power supply and make sure it is connected. If the power supply is working, check the circuit breaker and reset if necessary. 4. High Pressure - High pressure can damage the system and should be addressed immediately. Check for clogged strainers or check valves and make sure they are working properly. Adjust the pressure setting on the boost pump accordingly. 5. Overheating - Overheating can be caused by a blocked suction or discharge line, improper plumbing set-up, or inadequate flow rate. Check these and determine if a larger pump is required for the given conditions.

Use Case - Pump Maintenance through SCADA

The screenshot illustrates a workflow in the Infor SCADA system. On the left, a 'Task List' displays several notifications, including 'An unspecified issue has been detected by Coleman ML'. A red arrow points from this notification to a central 'Inbox' view. In the 'Inbox', a specific notification is highlighted: 'Work order 1822 has been created as type PUMP-BLOCK due to an issue detected by Coleman ML'. A tooltip above this notification provides more details. A second red arrow points from this notification to a detailed 'Work Order' view on the right. This view shows the work order ID (1822), the asset ID (4713), and the template used (PUMP-BLOCK). The interface includes navigation tabs at the bottom, such as 'Asset KPI Timeline' and 'Service Requests By Priority and Status', and a toolbar with an 'Edit' button.

Use Case - Pump Maintenance through SCADA

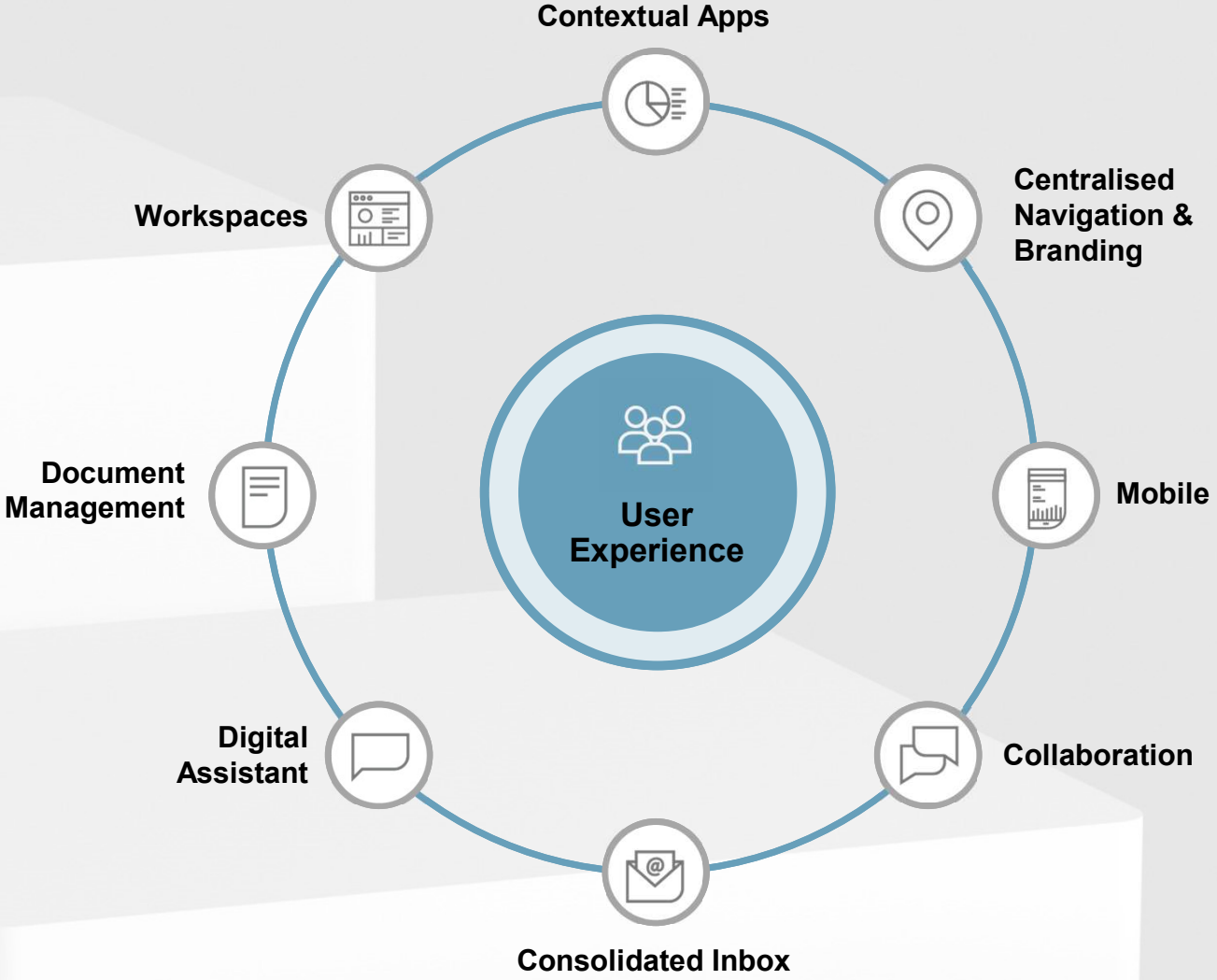
The screenshot displays a SCADA interface for a water pump. The main panel shows the 'Water Pump InfoViewer' for pump ID 'WPMP-20061201'. It includes an asset description, a 'Location' tab with address details (Flat #, House #, Street Name, Type, Cross Street, City, State, Postcode), and location information (Position, Area, Sub Area, District, Location, Map #, Parcel, X Coordinate, Y Coordinate, Z Coordinate).

On the right, a 'Widgets' panel contains three sections:

- Analytics:** A line chart showing sensor data. A tooltip indicates: 'datetime: 09/06/2023 23:41', 'sensor: Flow', and 'raw value: 180'.
- Contracts in Process:** A donut chart showing the status of contracts: Draft (33%) and Ready to Activate (67%).
- Active Safety Incidents:** A list of incidents, including 'Department car driven erratically' on 24 September 2018 at location CTY-ADMIN-SW, and 'Slipped on the floor'.



User experience



Centralised Views and Contextual Information

The screenshot displays a user interface for a Customer Service Representative. The top navigation bar includes the Infor logo, the user's role 'Customer Service Rep', and a 'DEM' indicator. The main dashboard is divided into several sections:

- My Day:** Shows the date 'Monday, August 26, 2024' and a personalized welcome message: 'Welcome back, Troy'.
- Lake William Hovell:** A large image of a lake with a hand cursor pointing at it.
- My Favourites:** A list of favorite items, including 'Account Lookup' and 'Weather Observations - Tatura'.
- Notes:** A note that says 'Pick up the kids at 3pm'.

The main content area is a central view for 'Loddon BOM' (Bureau of Meteorology). It features a blue header with the text 'Loddon catchment' and a sub-header 'Water catchments in the Murray-Darling Basin'. Below this is a search bar and a dropdown menu for selecting a basin area or catchment, with 'Loddon' selected.

To the right of the central view are two side panels:

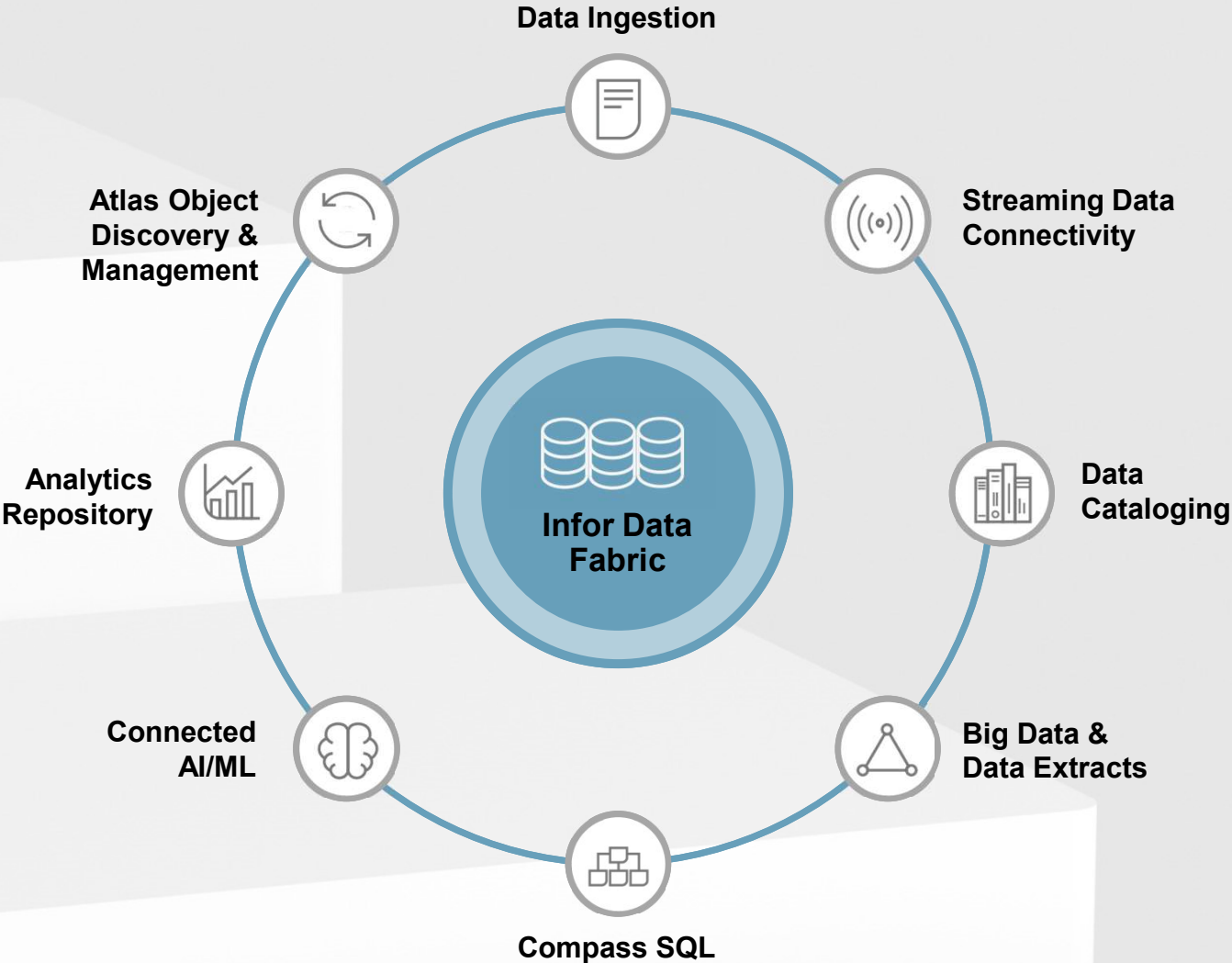
- Victorian Water Register:** A table showing water usage data for various ABA (Abstract Basin Area) codes.
- VWR Linked Accounts:** A list of accounts linked to the VWR, including 'Harry Hooper', 'Calypso Pty Ltd', and 'Richard Rafferty'.

At the bottom right, there is a 'Context Viewer' panel displaying JSON data for 'inforBusinessContext'.

```
{
  "screenId": "osportal_applications"
}
```



Data Fabric



Big Data

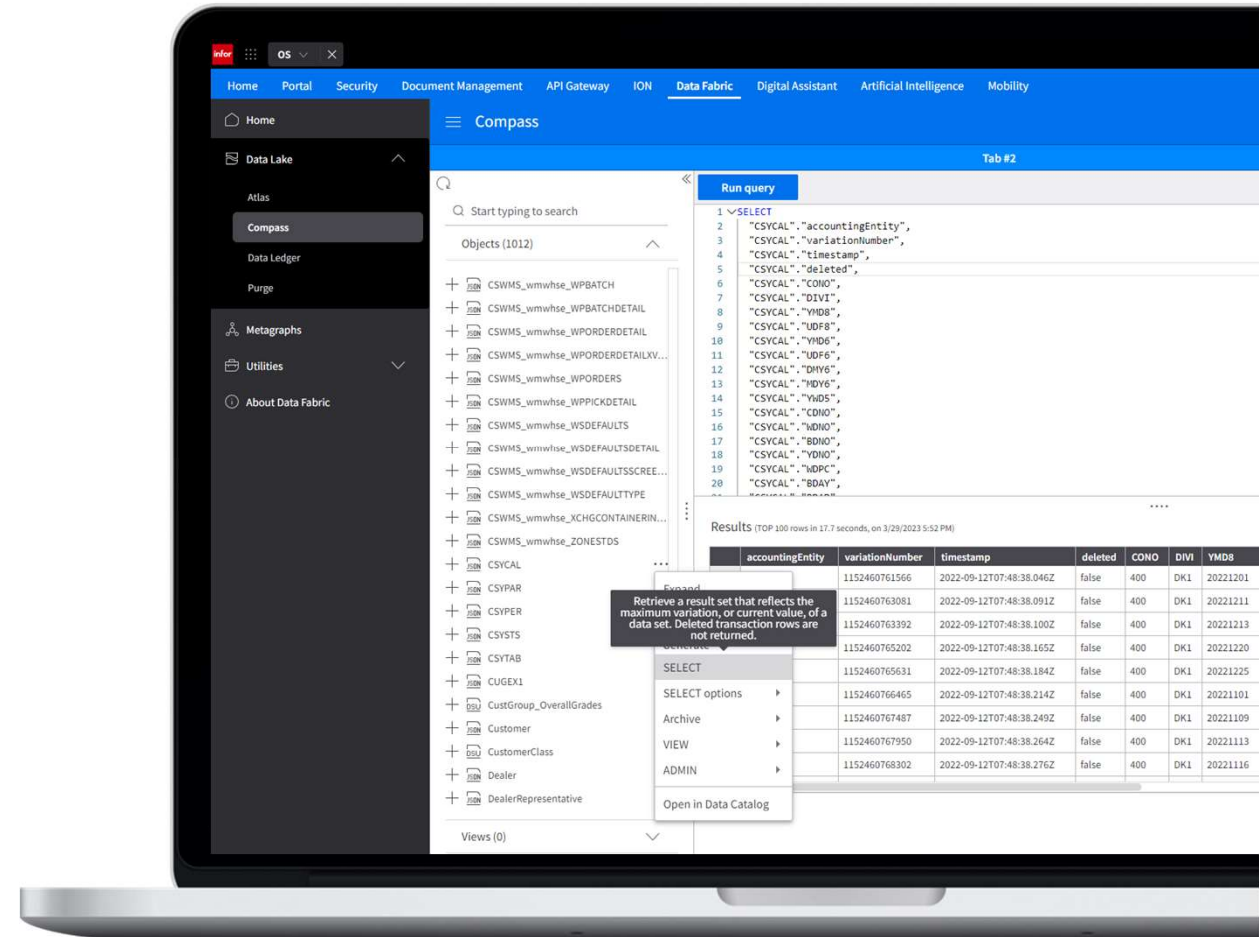


DATA FABRIC

Converged data storage platform for storing enterprise data as-is and without the need for up-front, complex and costly data transformation

Data Fabric Compass query platform accelerates data exploration & analysis to quickly uncover insights within your storage layer

- Rapid data analysis & content export
- RESTful API data interrogation services
- Conventional database driver interfaces
- Self-service data retrieval



Business Analytics



ANALYTICS

Best-in-class business intelligence and analytics tool

Drill-down capabilities to source transactional record

Generate reporting and analytics using data from both inside and outside your organisation

- Prebuilt content can be manipulated
- Adding additional or non-Infor data requires Infor Analytics Enterprise*

Share insights and deep dive into data more easily

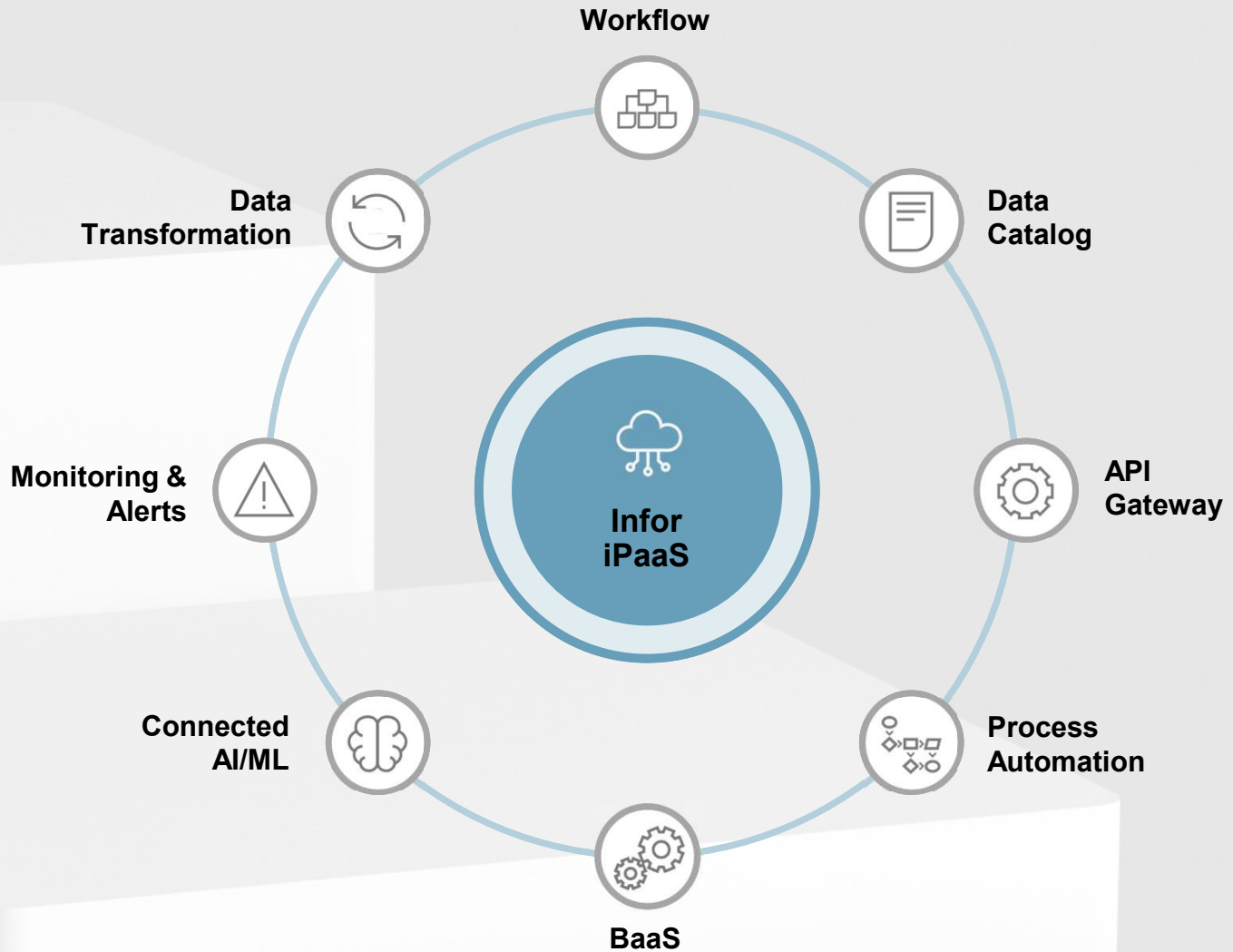
Employ Artificial Intelligence to improve decision making process

View KPIs in Workspace and In-context widgets



* Optional license not included with Infor OS

Integration



Bring Contextual Intelligence into process



PROCESS AUTOMATION

Drag and drop visual BPMN modeller

- Uses a graphical modeller to create an easy to view diagram

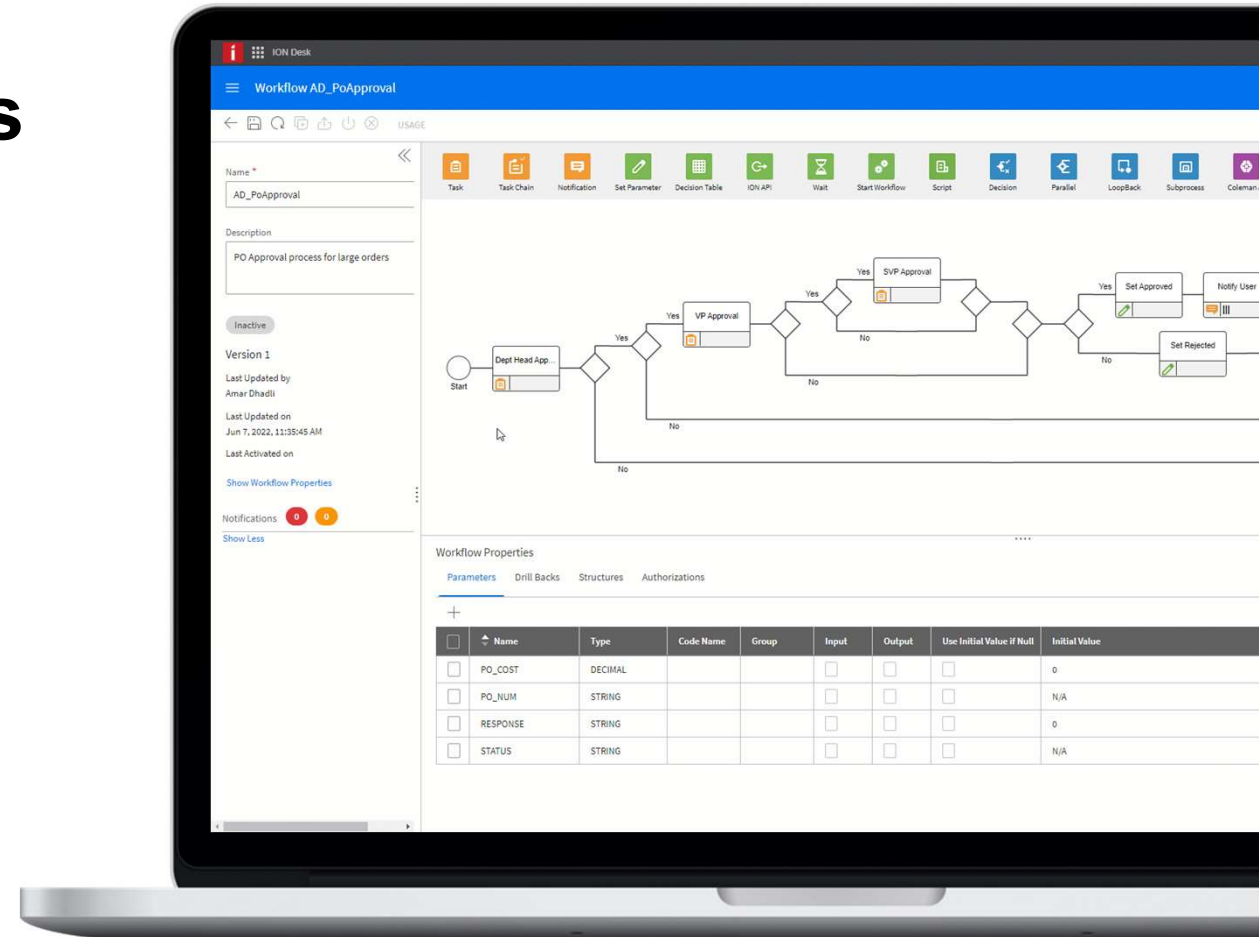
Alerts and approvals via Inbox, Mobile App, or Email

- Escalate if not assigned, completed or acknowledged

Caters for systematic as well as human interaction

Manage multiple alerts and workflows

- Activate/de-active individually
- Update active alerts & workflows on the fly
- Decision and approval matrixes



Automate your integrations



BUSINESS PROCESS INTEGRATIONS

Drag and drop BPMN visual modeler

- Easily create a fully integrated suite of applications: from simple to complex flows

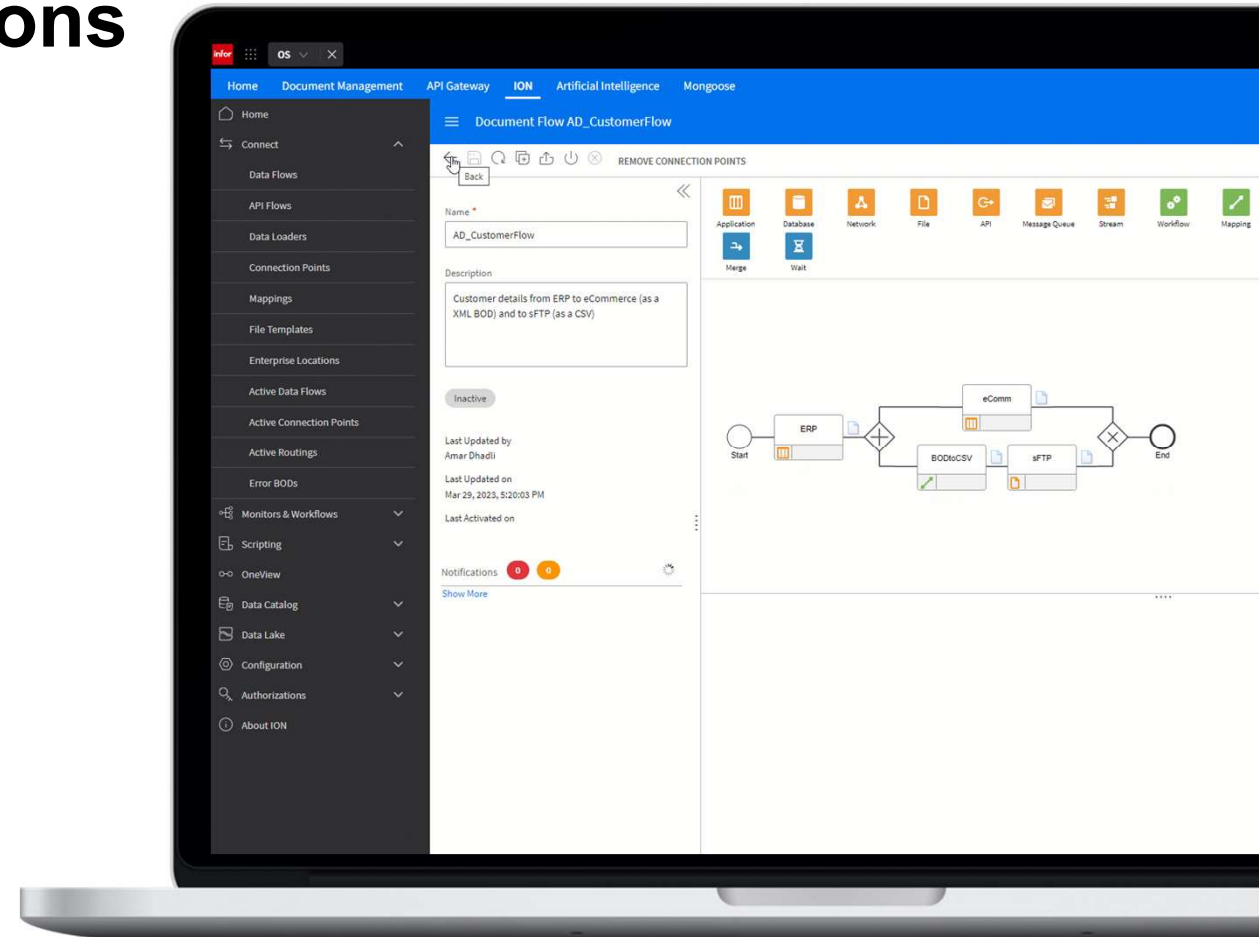
Library of connectors

- Infor Application, File, Database, JMS, API...

Data Transformation

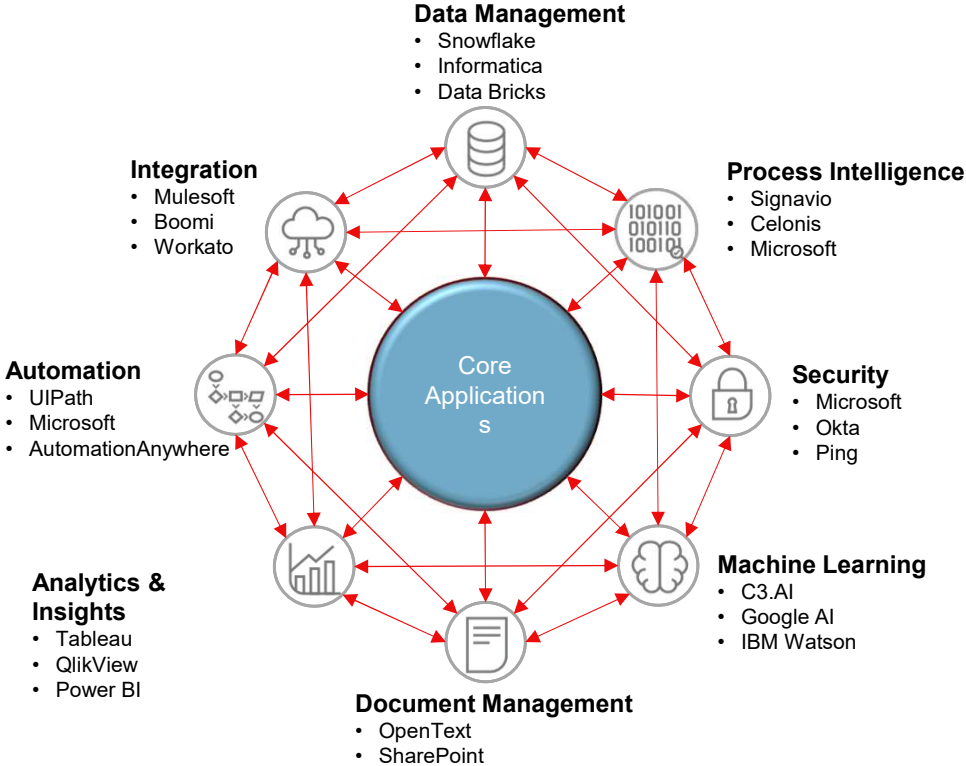
- XML mapping
- Graphical Mapper / XSLT scripts
- Python scripts

Built-in validation and versioning



Current State Technology

Multiple products
Multiple platforms
Multiple vendors
 =
More cost
More complexity
More headaches
More risk



Your value advantage with Infor

Single product
Single platform
Single vendor
=
Less cost
Less complexity
Less headache
Less risk



Built by
infor

Infor OS

Powered by
aws



Your value advantage with Infor

Advanced, fully integrated platform built for innovation and agility

Works in unison with the business solution

Open, composable, and standardised platform

Evergreen, agile cloud powered by AWS

Connect, contextualise, automate, and enhance your business process

Results in better user and customer satisfaction



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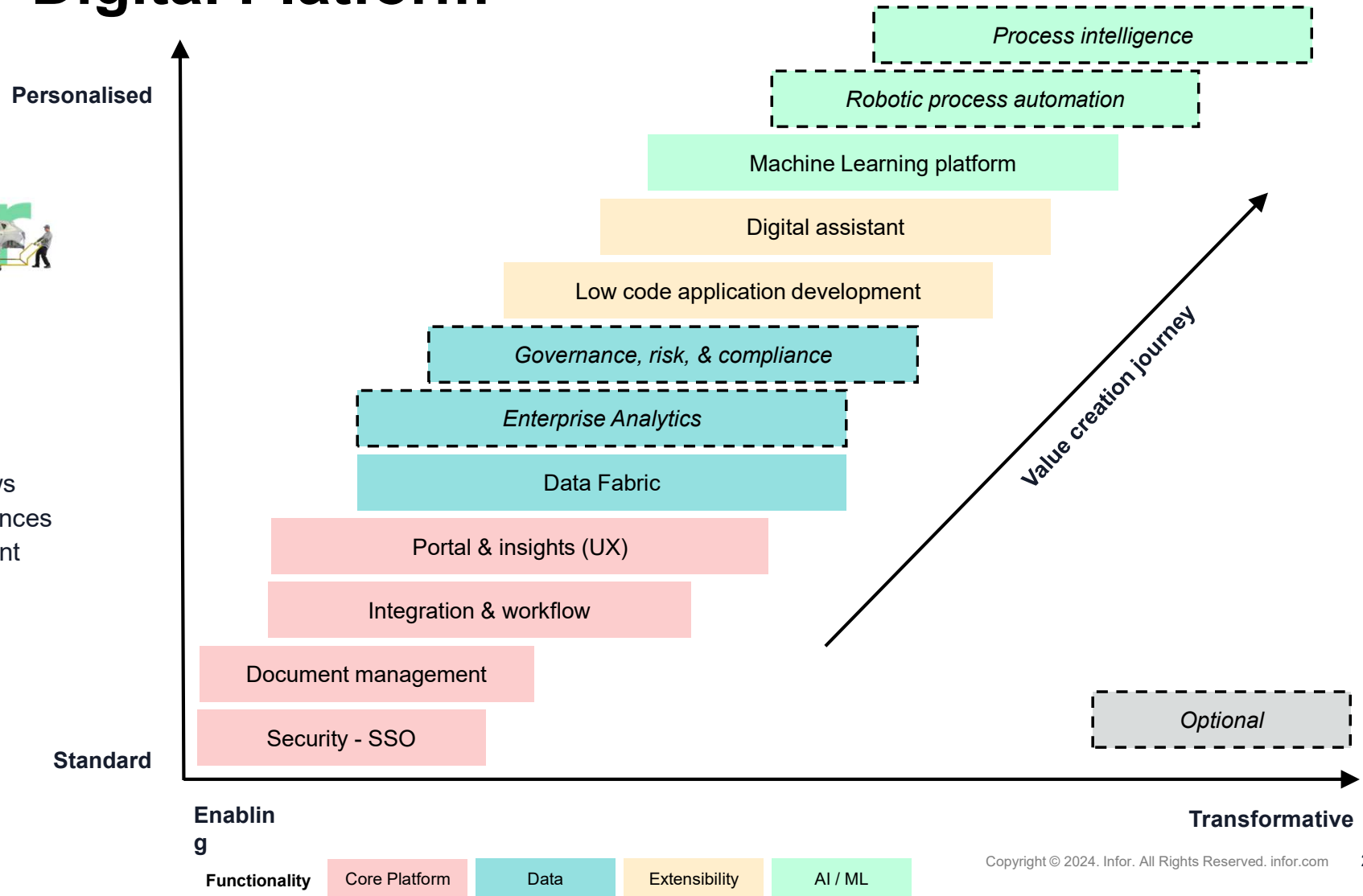
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Infor OS[®] Digital Platform



Next-gen Infor

- Intelligent apps
- Predictive workflows
- Automated experiences
- Creative enablement



Questions?



Thank you



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