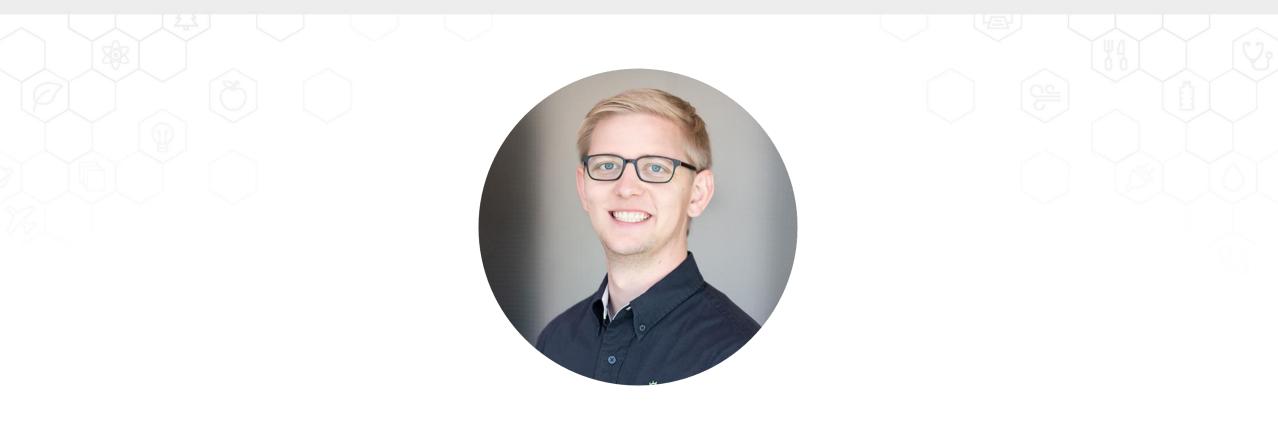


Presenters



Kent Melville

Director of Sales Engineering Inductive Automation



The Problem

Lack of Data Standardization

- Data silos
- Difficulty sharing data with others





Problematic Data Management

Manual Data Entry

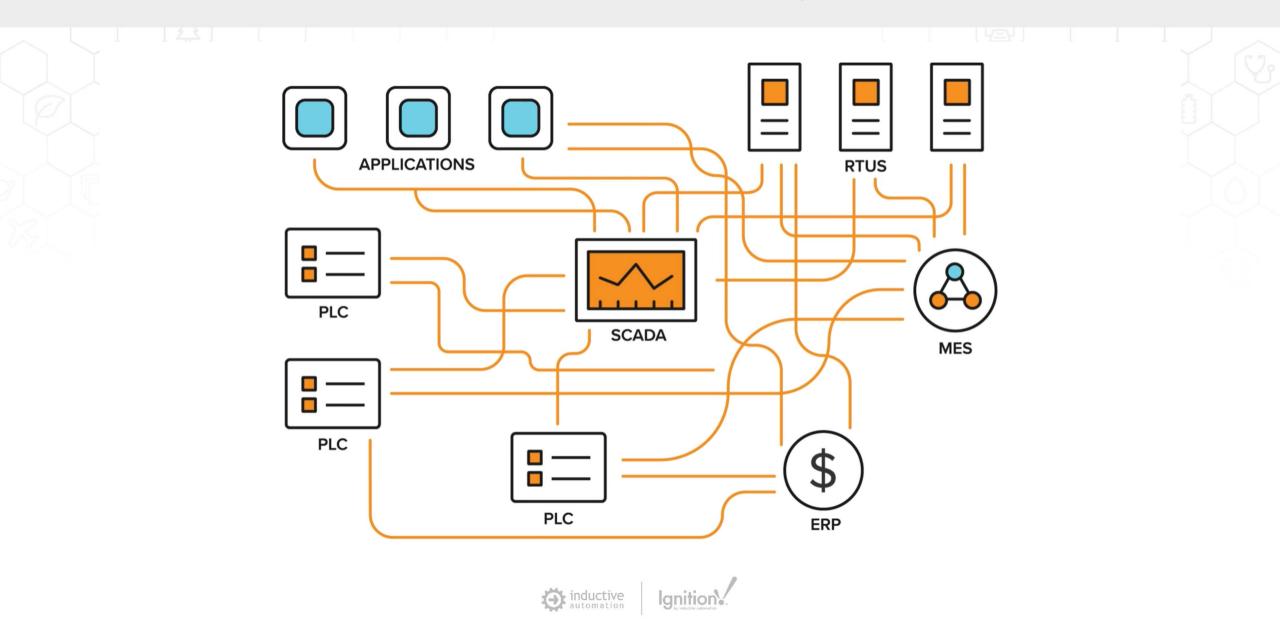
- Time-consuming
- Error-prone

Point-to-Point Data Integration

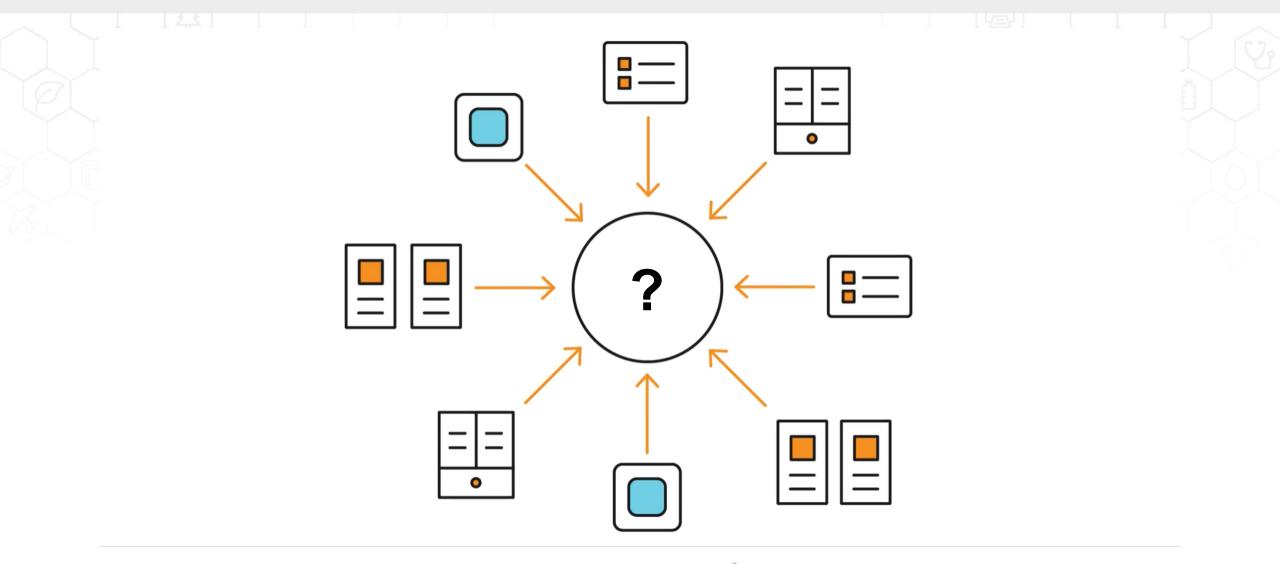
- Need for specialized engineering
- Namespaces are tightly coupled
- Difficult to scale



Problematic Data Management

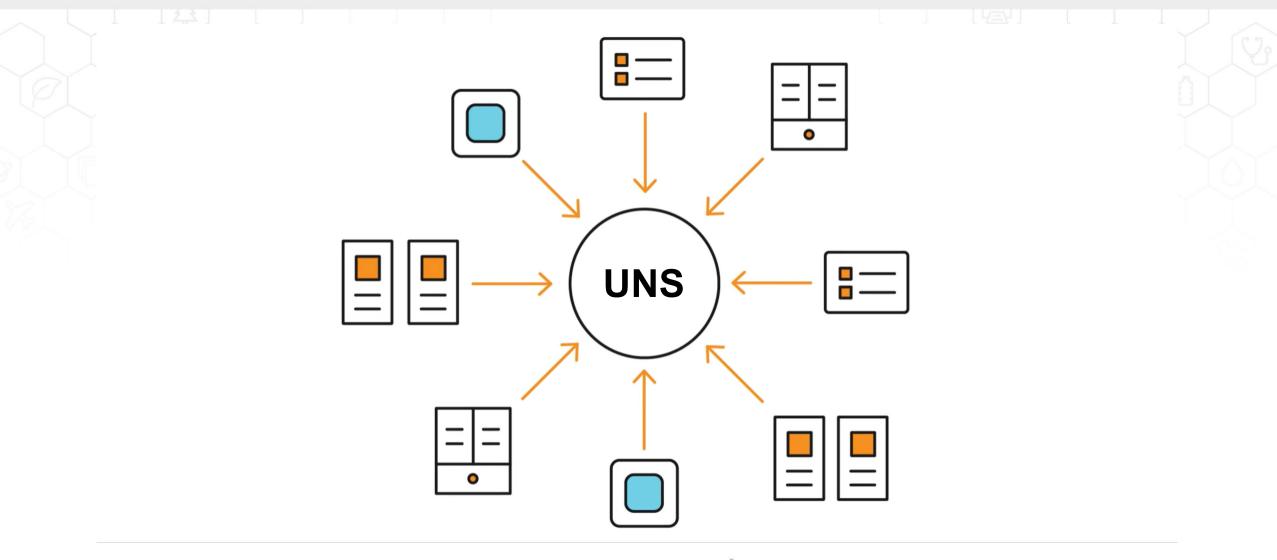


The Solution?





The Solution?





What is a Unified Namespace?

- Standardized way to organize and name data
- Contains an enterprise's structure and events
- One communication interface



What is a Unified Namespace?

- Standardized way to organize and name data
- Contains an enterprise's structure and events
- One communication interface

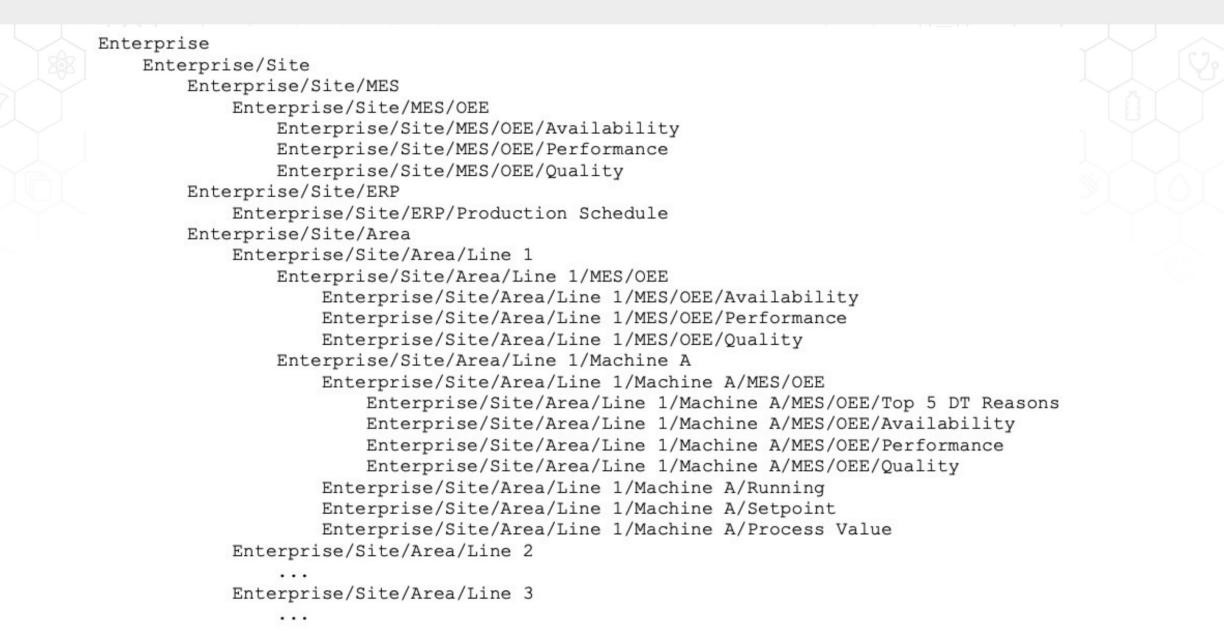


Unified Namespace Example Structure

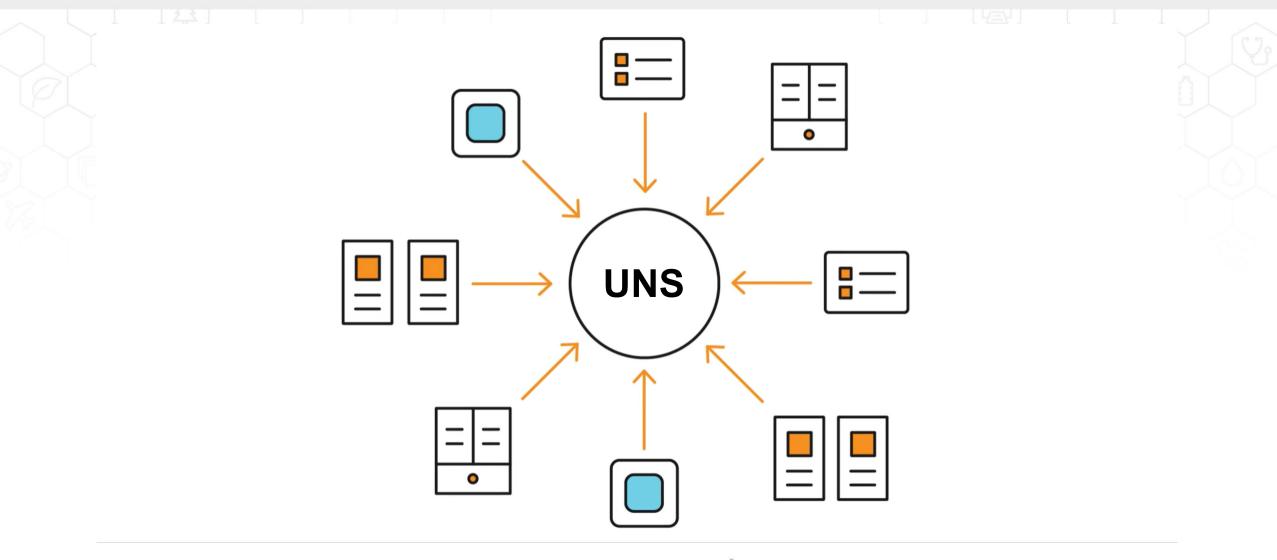
			on Data Model		
	erprise Site Ar	еа	oduction Line Work Cell		



```
Enterprise
Enterprise/Site
    Enterprise/Site/Area
        Enterprise/Site/Area/Line 1
            Enterprise/Site/Area/Line 1/Machine A
                Enterprise/Site/Area/Line 1/Machine A/Running
                Enterprise/Site/Area/Line 1/Machine A/Setpoint
                Enterprise/Site/Area/Line 1/Machine A/Process Value
        Enterprise/Site/Area/Line 2
        Enterprise/Site/Area/Line 3
            . . .
```



The Solution?





Unified Namespace Benefits

- Makes data accessible
- More affordable way to get needed data together
- Better ability to predict when things will go wrong
- Better traceability
- Easier scalability

Unified Namespace Benefits

- Single source of truth
- Less manpower/engineering
- Use supply chain better
- Greater efficiency
- Better decision-making



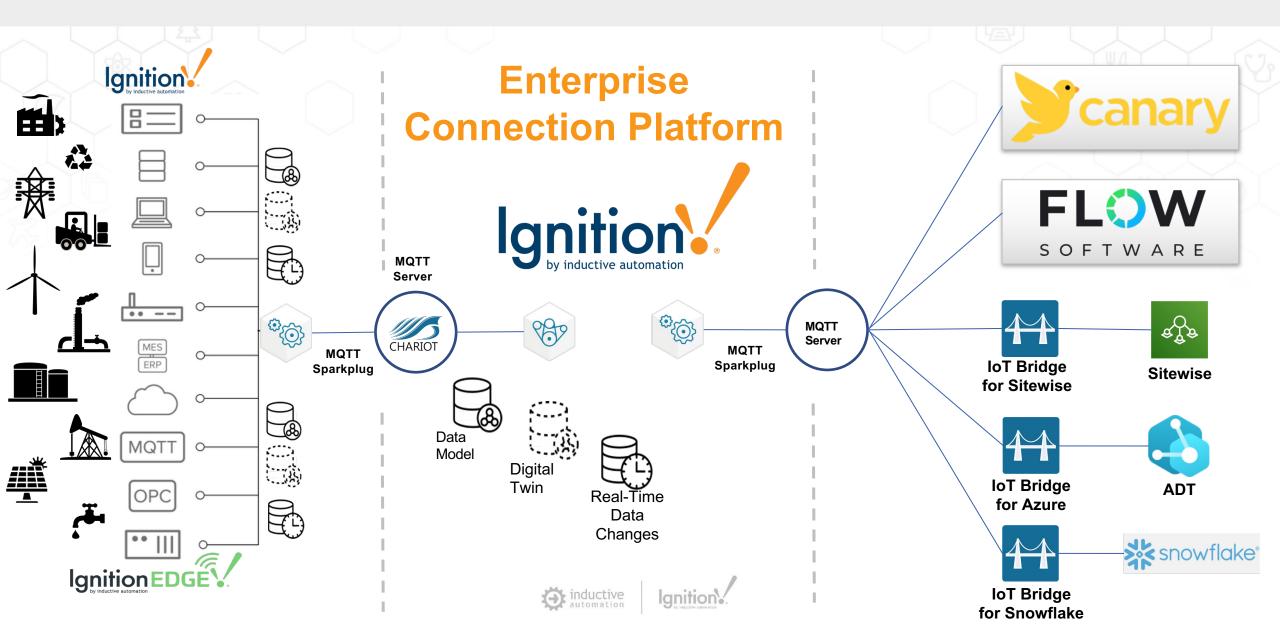


What is Driving the Unified Namespace?

- Artificial Intelligence (AI)
- Machine Learning (ML)
- Predictive Maintenance (PM)
- Leveraging the above in large enterprises
- Maintaining the above in cost-effective ways



Example: Applying a Unified Namespace



Thank You

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