

# QFluent Professional Services

## AI Readiness Assessment, Semantic Layer, and Data Remediation for Microsoft Fabric

By Quadrant Technologies | Microsoft Fabric Partner

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### Overview

QFluent Professional Services accelerates your path to enterprise AI readiness on Microsoft Fabric and OneLake. By combining Quadrant's proprietary AI Readiness scoring engine, prebuilt Ontology Domain Packs, and deep expertise across Microsoft's emerging semantic stack, including Fabric IQ, WorkIQ, and FoundryIQ, QFluent delivers a quantified, actionable AI readiness roadmap in weeks, not months.

Whether your goal is Microsoft 365 Copilot adoption, Copilot Studio agent development, custom generative AI solutions powered by Azure OpenAI, or self service analytics with Power BI, QFluent ensures your data foundation is semantically rich, well governed, and AI ready.

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### The Challenge

Most enterprises sit on massive volumes of data that is structurally unfit for AI. Schema inconsistencies, missing semantic context, siloed domain knowledge, incomplete metadata, and poor data quality lead to failed AI pilots, hallucinating LLMs, and low Copilot adoption. Data lineage gaps make it impossible to trust model outputs. Master data management (MDM) is fragmented. Entity resolution across business units remains manual.

Meanwhile, Microsoft is rapidly expanding Fabric's AI foundation with powerful new preview capabilities like Fabric IQ, WorkIQ, FoundryIQ, Real Time Intelligence, and Digital Twin Builder, but organizations need expert guidance to assess readiness, adopt these services effectively, and fill the gaps they don't cover.

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### What QFluent Delivers

#### AI Readiness Score

QFluent performs deep data profiling and data classification across your Microsoft Fabric environment, OneLake, Dataverse, and connected data sources to produce a comprehensive AI Readiness Score. The assessment evaluates your data estate across multiple dimensions, including how prepared you are to leverage Microsoft's latest preview capabilities:

- **Fabric IQ Readiness:** Assesses your organization's ability to adopt Microsoft's semantic foundation for enterprise AI, including ontology maturity, entity modeling completeness, knowledge graph readiness,

and semantic layer depth

- **WorkIQ Readiness:** Evaluates how well your data supports Microsoft's workforce intelligence capabilities, including collaboration data quality, organizational graph completeness, SharePoint content readiness, and Copilot grounding quality
- **FoundryIQ Readiness:** Measures your data foundation's fitness to leverage Microsoft's AI development and deployment services, including feature store maturity, training data quality, vector embeddings readiness, retrieval augmented generation (RAG) pipeline fitness, and model operationalization readiness

Each dimension returns a numeric score with detailed breakdowns, so leadership can see exactly where investments will have the highest AI impact and where QFluent's remediation can close the gaps fastest.

### Rapid Remediation

QFluent doesn't just score. It remediates. The platform generates prioritized remediation plans with automated and guided actions that address:

- **Semantic layer gaps:** Building and enriching semantic models, business glossaries, and metadata catalogs that power both Power BI analytics and generative AI grounding
- **Data catalog and lineage:** Establishing end to end data lineage, data classification, and catalog completeness so every AI consumer, from Copilot to custom LLM agents, can trace data provenance
- **Schema mapping and data transformation:** Aligning disparate source schemas to canonical models through automated schema mapping, data integration, and ETL/ELT pipeline optimization
- **Entity resolution and MDM:** Resolving duplicate and conflicting entities across business units, building master data management foundations that eliminate ambiguity for AI consumption
- **Data pipeline modernization:** Optimizing data pipelines, data integration flows, and data transformation logic for Fabric native patterns and OneLake performance

Most engagements move from initial scan to remediated, AI ready data in 4 to 6 weeks, positioning your organization to fully leverage Fabric IQ, WorkIQ, and FoundryIQ as they move toward general availability.

### Ontology Domain Packs

At the heart of QFluent are prebuilt Ontology Domain Packs: curated canonical schemas, semantic models, and business concept hierarchies purpose built for specific industries and functional domains. These packs accelerate Fabric IQ ontology adoption by providing production ready entity definitions, relationship models, and domain knowledge structures that would otherwise take months to build from scratch.

Domain Pack	Coverage
<b>Healthcare &amp; Life Sciences</b>	Clinical data models, patient journeys, regulatory ontologies (HIPAA, FDA), drug and therapy hierarchies, real world evidence schemas
<b>Financial Services</b>	Transaction schemas, risk entity models, compliance taxonomies (SOX, Basel), customer 360 canonical models, fraud detection ontologies
<b>Retail &amp; CPG</b>	Product ontologies, supply chain models, demand signal schemas, customer behavior graphs, pricing and promotion models
<b>Manufacturing</b>	Asset hierarchies, IoT signal schemas, quality event models, digital twin ontologies, supply network models
<b>Energy &amp; Utilities</b>	Grid topology models, asset lifecycle schemas, regulatory compliance ontologies, sustainability and ESG reporting models
<b>Public Sector</b>	Citizen service models, permitting and licensing schemas, infrastructure planning ontologies, GDPR and privacy compliance models
<b>Cross Industry</b>	HR and workforce models, finance and procurement schemas, IT service management ontologies, enterprise data mesh patterns

Each Domain Pack maps directly to Fabric IQ's ontology framework and can be extended to support Digital Twin Builder scenarios, giving organizations a canonical schema layer that normalizes source data into a standardized semantic model ready for AI consumption across business units and geographies.

## Outcomes That Matter

### Copilot Adoption Acceleration

QFluent directly improves Microsoft 365 Copilot and Copilot Studio effectiveness by ensuring the underlying data is semantically rich, properly governed, and contextually complete. By aligning your data estate with WorkIQ and Fabric IQ requirements and enriching SharePoint, Dataverse, and OneLake content with proper metadata and semantic context, organizations see measurable improvements in Copilot response quality, natural language query accuracy, user trust, and sustained adoption rates.

### Custom AI and Agentic AI Readiness

For teams building custom models, agentic AI workflows, and FoundryIQ powered solutions using Azure OpenAI and other LLM services, QFluent ensures your Fabric lakehouse delivers clean, well structured, semantically tagged data. This includes vector embeddings readiness, RAG pipeline optimization, and

knowledge graph completeness that reduces time to production and eliminates common data engineering rework cycles.

## Hallucination Reduction

Poor data quality is the number one driver of AI hallucinations in enterprise generative AI deployments. QFluent's remediation engine targets the root causes: missing context, ambiguous entities, inconsistent schemas, incomplete reference data, and weak grounding layers. By building robust ontologies and canonical schemas that ground Fabric IQ, Copilot, and AI agents in verified business context, QFluent delivers trustworthy AI outputs with measurably lower hallucination rates.

## Data Democratization and Self Service Analytics

QFluent's semantic layer enrichment and data catalog completeness improvements directly benefit Power BI and self service analytics users. When business users can discover, understand, and trust data through natural language queries and well documented semantic models, the entire organization moves faster from data to business intelligence to action.

## How QFluent Complements Microsoft's AI Stack

Microsoft Capability	What It Does	What QFluent Adds
<b>Fabric IQ</b>	Semantic foundation: ontologies, knowledge graphs, entity modeling	Prebuilt industry Ontology Domain Packs, readiness assessment, accelerated ontology deployment
<b>WorkIQ</b>	Workforce intelligence and collaboration insights	Data quality remediation, organizational graph completeness, Copilot grounding optimization
<b>FoundryIQ</b>	AI development, model training, and deployment	Training data quality scoring, feature store readiness, semantic layer completeness, RAG pipeline fitness
<b>Real Time Intelligence</b>	Streaming analytics and event processing	Event schema standardization, IoT data quality, real time entity resolution
<b>Digital Twin Builder</b>	Digital twin modeling and simulation	Domain specific twin ontologies, asset hierarchy mapping, IoT signal normalization
<b>OneLake</b>	Unified data lake storage	Data profiling, classification, lineage, and governance across the lakehouse
<b>Power BI</b>	Business intelligence and analytics	Semantic model enrichment, data catalog completeness, self service readiness

Microsoft Capability	What It Does	What QFluent Adds
<b>Copilot and Copilot Studio</b>	AI assisted productivity and agent building	End to end data readiness ensuring Copilot and custom agents have the grounding context they need
<b>Azure OpenAI</b>	LLM and generative AI services	Vector embeddings readiness, RAG optimization, hallucination reduction through data quality

QFluent is not a replacement for any Microsoft service. It is the professional services accelerator that ensures your data estate is ready to fully leverage these capabilities from day one.

## Technical Capabilities

- **Data profiling and classification** across OneLake, Dataverse, SQL, and connected sources
- **Automated schema mapping** with canonical model alignment and data transformation
- **Semantic layer construction** with business glossary, metadata enrichment, and relationship modeling
- **Data lineage tracing** from source through transformation to AI consumption
- **Entity resolution and master data management** foundation building
- **Data pipeline assessment** with ETL/ELT optimization recommendations for Fabric native patterns
- **Vector embeddings and RAG readiness** scoring for generative AI and Azure OpenAI workloads
- **Ontology deployment** with Fabric IQ compatible entity definitions and knowledge graph structures
- **Data governance and compliance** alignment including HIPAA, SOX, GDPR, and industry specific regulatory frameworks
- **Data modernization and migration** assessment for legacy platform consolidation into Fabric

## Engagement Model

Phase	Duration	Deliverables
<b>Discovery and Scan</b>	1 to 2 weeks	AI Readiness Scores across Fabric IQ, WorkIQ, and FoundryIQ dimensions with detailed breakdowns and data profiling results
<b>Remediation Planning</b>	1 week	Prioritized data strategy and action plan with estimated effort, impact scores, and quick wins

Phase	Duration	Deliverables
<b>Guided Remediation</b>	2 to 4 weeks	Automated fixes, schema alignment, semantic layer construction, Ontology Domain Pack deployment, data pipeline optimization
<b>Validation and Handoff</b>	1 week	Rescore, documentation, knowledge transfer, and ongoing monitoring setup

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Total time to AI ready: **4 to 6 weeks** for most enterprise environments.

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## Why Quadrant Technologies

Quadrant Technologies brings 18+ years of enterprise AI and data architecture expertise to every engagement. As a Microsoft Fabric Partner with deep capabilities across Azure, GCP, and multi cloud environments, Quadrant has the technical depth and industry knowledge to deliver AI readiness, data fabric modernization, and data strategy at scale.

- Deep expertise in Microsoft Fabric, Fabric IQ, OneLake, and the emerging semantic AI stack
  - Prebuilt Ontology Domain Packs that compress ontology buildout from months to weeks
  - Proven data modernization and data migration methodology across regulated and complex industries
  - End to end coverage from data integration and ETL through semantic layer to generative AI and agentic AI readiness
  - Dedicated teams across USA, MENA, and India for global delivery
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## Get Started

Contact Quadrant Technologies to schedule a complimentary AI Readiness Discovery call and see your readiness scores across Fabric IQ, WorkIQ, and FoundryIQ dimensions within days.

**Quadrant Technologies** | Microsoft Fabric Partner [www.intquadrant.com](http://www.intquadrant.com)

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*QFluent is part of the Q Suite product portfolio by Quadrant Technologies.*