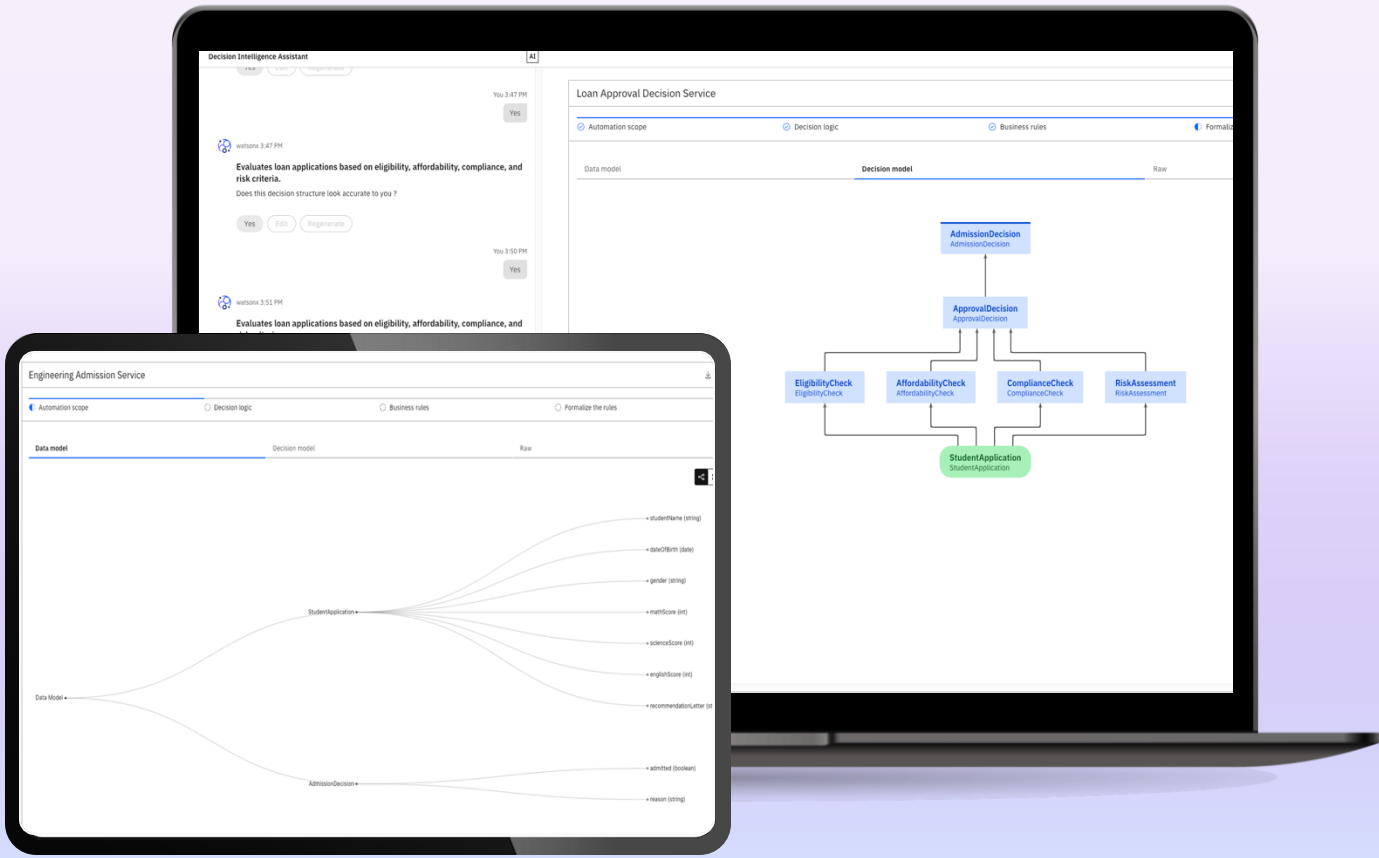


IBM Decision Intelligence for Healthcare & Life Sciences

Make every clinical, operational and financial decision count



Why healthcare decisions are high-stakes and getting harder

As a healthcare leader, you are expected to improve outcomes and experience while margins are tight, staff are stretched and care is moving to virtual and home settings. Every day, teams decide how to use beds and staff, which patients to prioritize, how to design and pay for care pathways, and where to invest in new services. But these decisions are held back by:

- Data scattered across electronic health records, claims, scheduling and virtual-care systems
- Point solutions that do not share context or logic
- Clinical, operational and finance teams working from different reports and rules

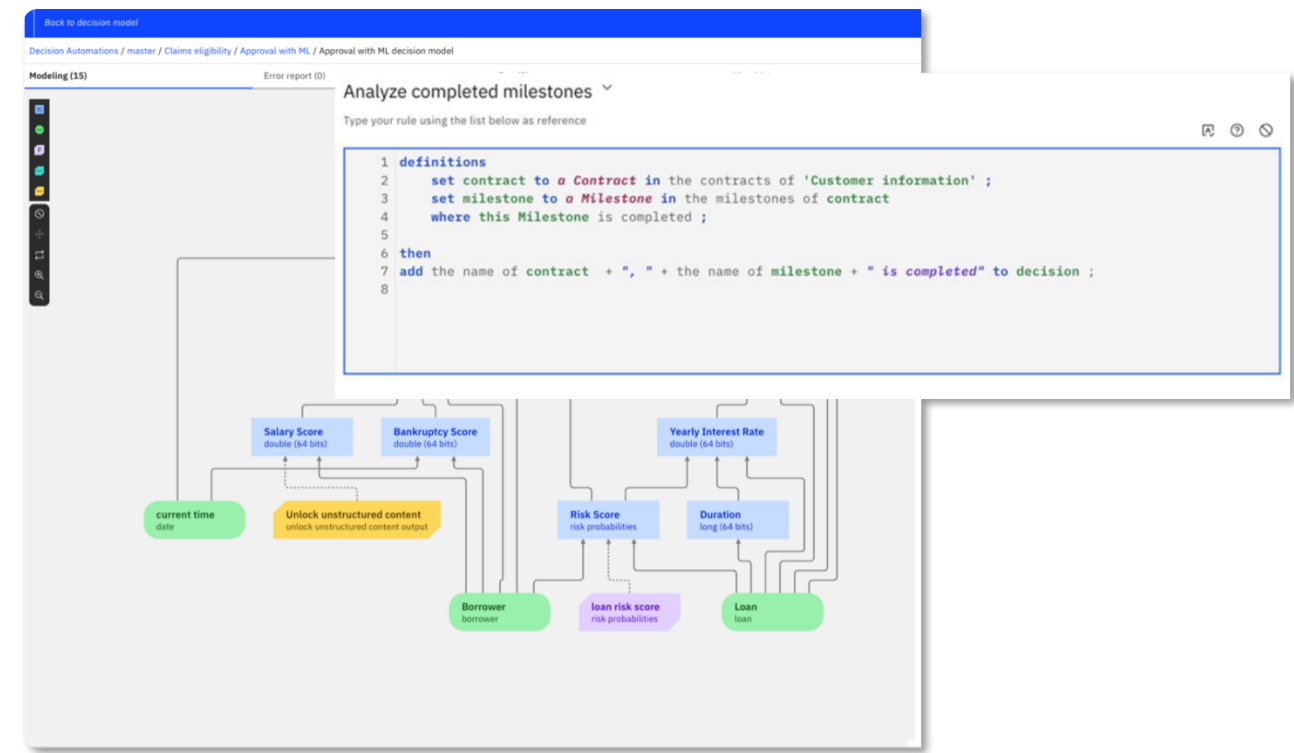
The impact: delays and variation in care, clinician burnout, lost revenue and missed chances to intervene earlier.

From isolated analytics to connected decision intelligence

Applying IBM Decision Intelligence to healthcare adds a decision layer over your existing provider, payer and virtual-care systems. It combines data from electronic health records, claims, scheduling, devices and social factors with artificial intelligence and business rules so you can:

- Design and deploy consistent decision strategies into everyday workflows
- Test “what if” scenarios before you change policies or pathways
- Learn from outcomes and improve decisions over time

You get faster, clearer and more reliable decisions that support your quality and financial goals.



What IBM Decision Intelligence Delivers

A single decision layer across provider and payer systems

Orchestrate access, pathway, utilization, payment and outreach decisions consistently across electronic health records, care management, virtual care, claims and contact-center platforms.

Artificial intelligence-enhanced clinical, operational and population insight

Combine predictive models with rules to identify rising-risk patients, forecast demand, reduce waste and support value-based care objectives.

Real-time decisioning embedded in frontline workflows

Deliver triage, scheduling, authorization and payment decisions directly into clinician, scheduler, case-manager and agent tools so teams can act in seconds, not days.

Closed-loop optimization with governance

Track how strategies affect access, length of stay, readmissions, quality scores, denial rates and total cost of care, with full audit trails for clinical governance, compliance and boards.

Where You See Impact First

Capacity and patient-flow

Balance beds, theatres, diagnostics and staff against predicted demand to cut waits and cancellations while improving utilization and throughput.

Utilization management and prior authorization

Apply consistent, evidence-based criteria to approvals so appropriate care moves quickly, and expert review focuses on borderline cases.

Workforce and scheduling decisions

Match staffing levels and skills to predicted demand to reduce overtime and agency spend while maintaining safe coverage and supporting staff wellbeing.

Care-pathway and population-health decisioning

Identify at-risk patients and populations earlier, recommend the next best action and coordinate multidisciplinary care across in-person, virtual and home settings.

Payment integrity and revenue protection

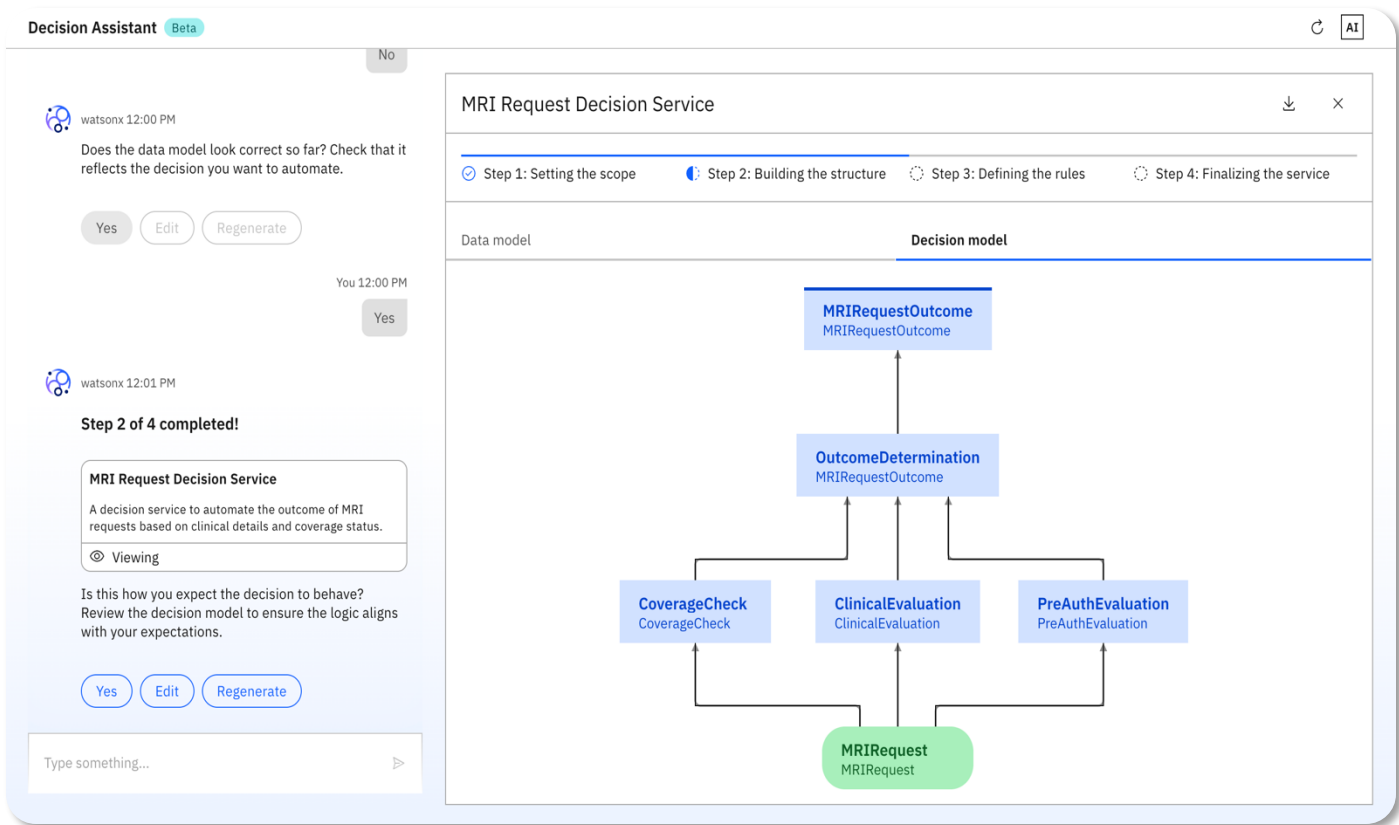
Detect billing errors, fraud and under-payment; recommend when to pay, pend, deny or appeal to protect margin and reduce waste.

Powerful capabilities built for healthcare buyers (1/2)

#1

Decision Assistant – Turn policies and guidelines into executable decisions

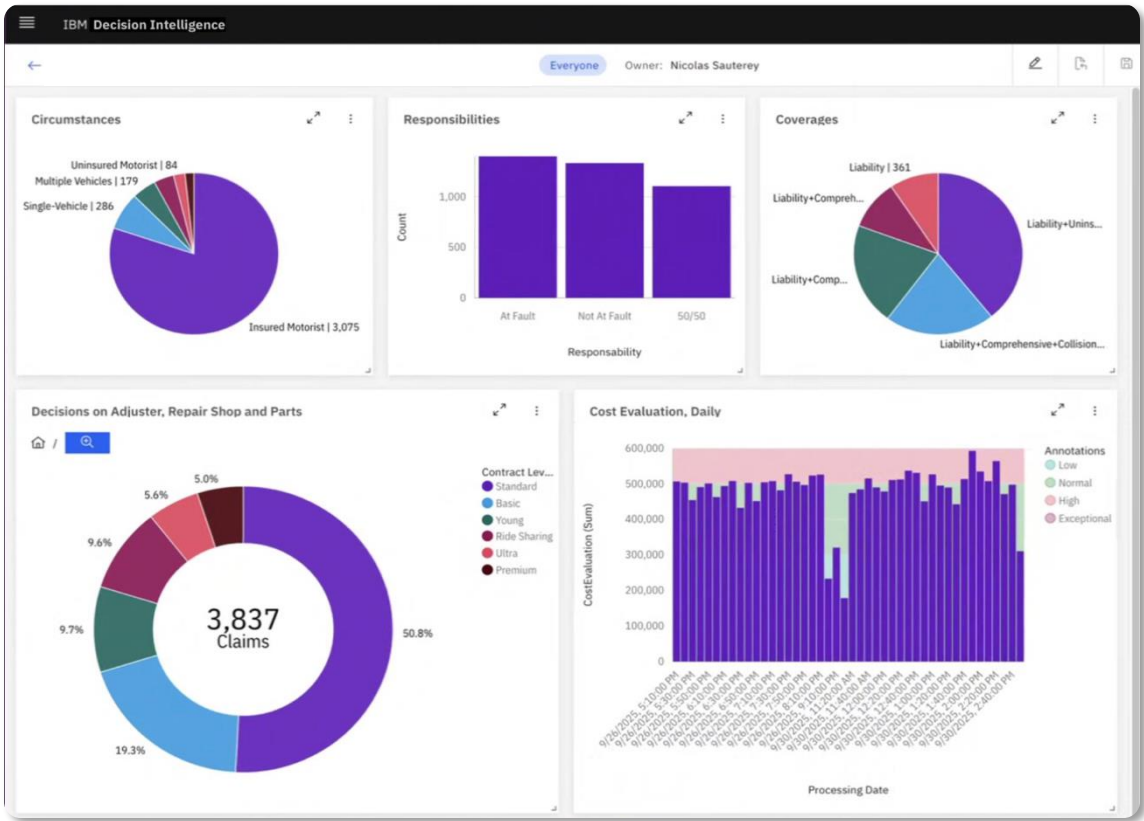
Translate clinical guidelines, coverage policies, utilization criteria and operational protocols into transparent decision models you can deploy and update quickly, with full version control.



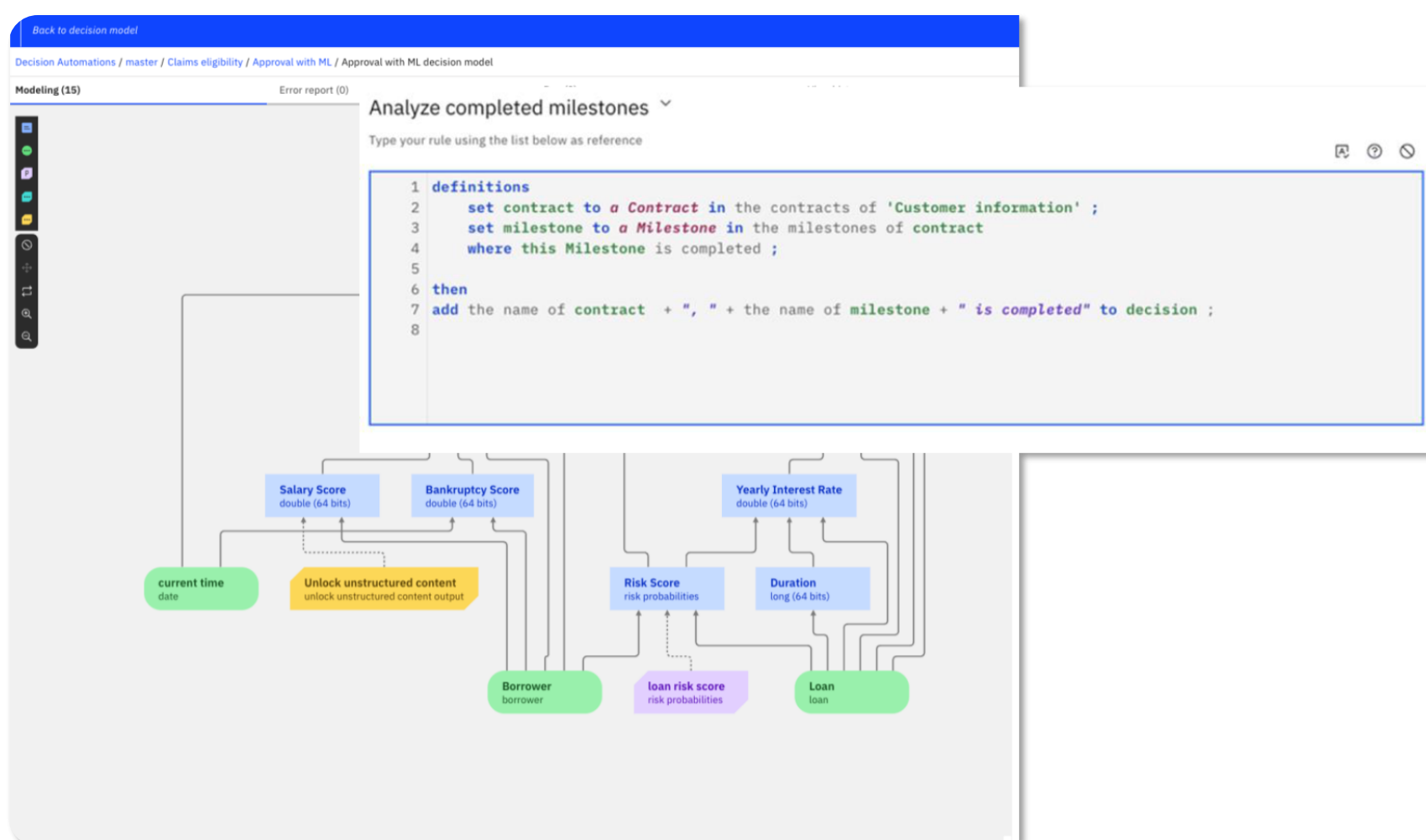
#2

Decision Insights – See the impact of every decision

Track how strategies affect access, outcomes, quality, denials, total cost of care and experience; compare scenarios and make data-backed choices at each stakeholder level.



Powerful capabilities built for healthcare buyers (2/2)



#3

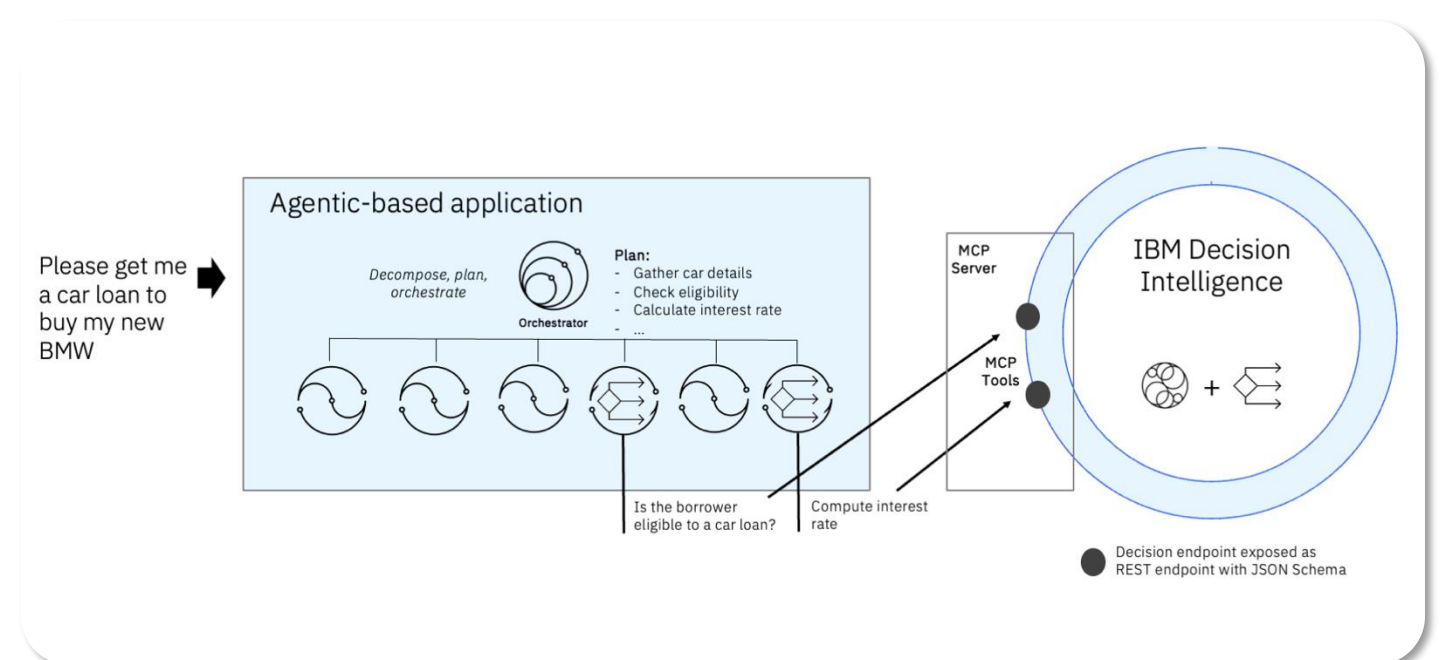
Decision Management Enhancements – Collaborate with control

Give clinical, operational, finance and payer leaders a shared, governed workspace to design, test and approve decision strategies with role-based access and clear ownership.

#4

MCP Supported – Extend to Agentic Frameworks

Makes IBM Decision Intelligence the “brain” behind your AI agents and copilots, delivering consistent, governed decisions in every interaction.



Why healthcare leaders choose IBM

Board-level healthcare expertise

Approaches and accelerators shaped by work with leading health systems, insurers and public-sector health organizations worldwide.

Hybrid and open architecture

Integrates with existing electronic health record, virtual-care, IoMT, claims, care-management and analytics platforms across cloud and on-premises environments-protecting your current investments.

Trusted, governed artificial intelligence

Capabilities to explain, monitor and govern models and rules, supporting privacy, security, equity and responsible artificial intelligence expectations in regulated environments.

Human-in-the-loop decisioning

Let clinicians, care managers and finance leaders review, override or automate recommendations as confidence grows, keeping humans in control of high-stakes choices.

Ready to Turn Decisions into Outcomes? →



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