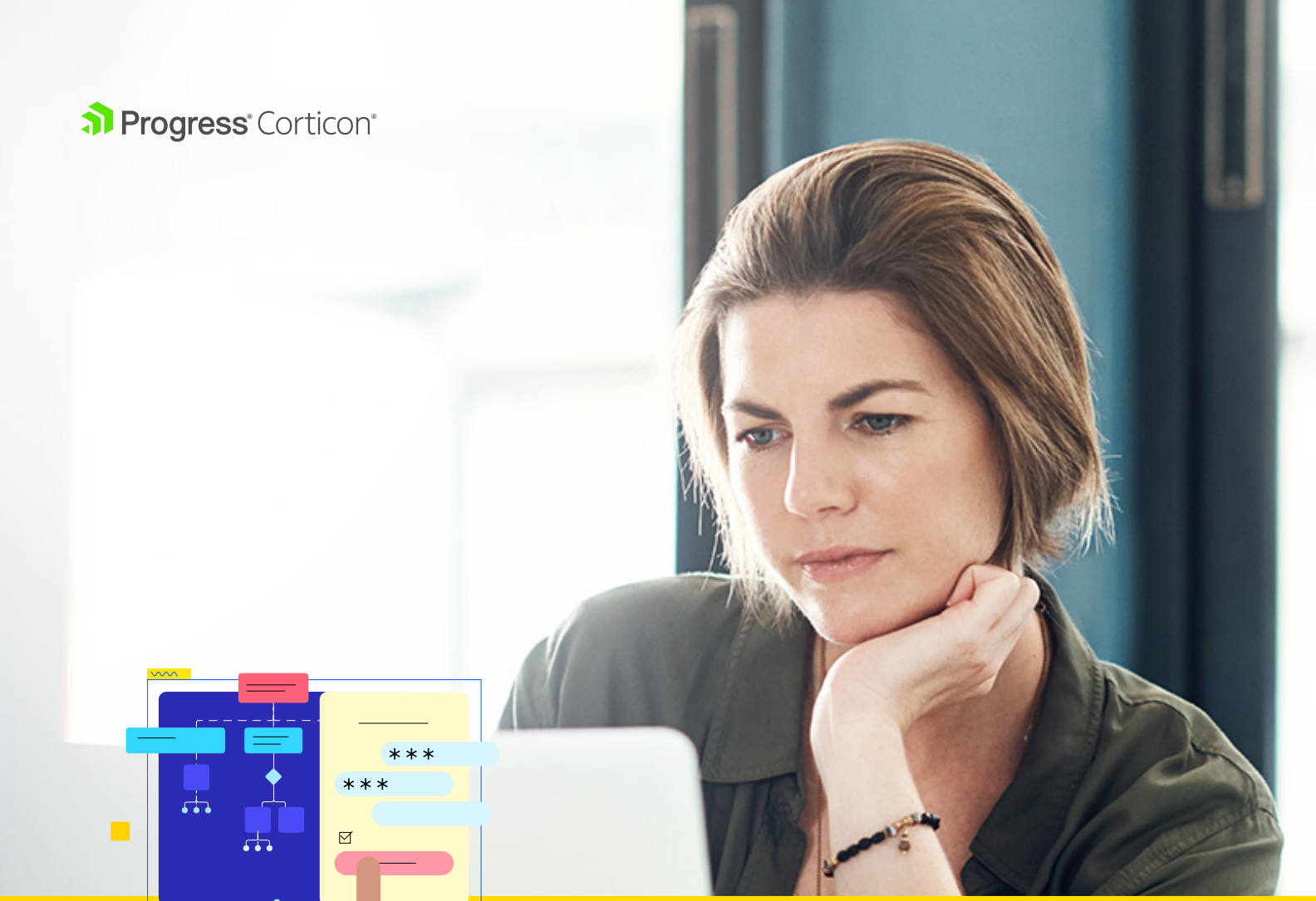
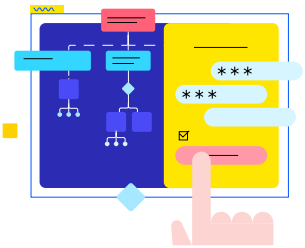
Progress® Corticon®



Rule Authoring with the Corticon AI Assistant

WHITEPAPER



Accelerate Rule Development with AI That Understands Your Decision Logic

Creating and maintaining business rules is often one of the most time-consuming aspects of decision automation. Teams must translate business policies into executable logic, document rule behavior, validate outcomes and support consistency across increasingly complex rule projects.

The Progress® Corticon® AI Assistant streamlines this process by bringing generative AI directly into the Corticon authoring experience. Rather than starting from scratch, users can create, understand and enhance rules using natural language prompts. The AI Assistant works within the context of existing Corticon projects, helping teams accelerate rule development while improving visibility, accuracy and governance.

By reducing manual effort and simplifying rule management, the Corticon AI Assistant helps organizations move from business requirements to operational decision logic faster than ever before.



Key Benefits

The budget reconciliation law has moved Medicaid into a new, more stringent regulatory environment. The temporary challenges of previous years have been replaced by permanent, structural changes that create immense operational and financial pressure on states. Key challenges include:

Faster Rule Authoring

The Corticon AI Assistant enables users to generate rule logic from plain-language business requirements. Instead of manually translating policies into rule assets, rule authors can describe desired outcomes and allow AI to assist with rule creation.

This reduces development time, accelerates implementation cycles and helps organizations respond more quickly to changing business and regulatory requirements.

Improved Understanding of Decision Logic

As rule projects grow in complexity, understanding existing logic becomes increasingly difficult. The Corticon AI Assistant helps users quickly understand rulesheets, vocabularies and ruleflows by providing clear explanations in business-friendly language.

This enables faster onboarding, simplifies knowledge transfer and improves collaboration between business and technical stakeholders.

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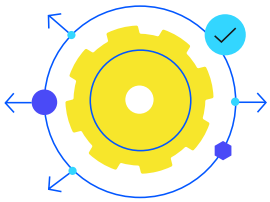

Automated Documentation

Maintaining accurate documentation is often difficult and resource-intensive. The AI Assistant can generate rule descriptions, summaries and supporting documentation directly from implemented rule assets.

By automating documentation creation, organizations can improve governance, reduce administrative effort and maintain access and transparency for decision logic.

Enhanced Quality and Validation

The AI Assistant helps teams validate decision logic by generating meaningful test scenarios and analyzing rule structures. This enables organizations to identify potential gaps earlier in the development process and improve confidence in rule outcomes before deployment.

Transforming the Rule Authoring Experience

Traditional rule authoring often requires significant manual effort to translate business intent into executable logic. It can create dependencies between business and technical terms, along with increasing complexity and delay time.

The Corticon AI Assistant simplifies rule development by allowing users to work in the language of the business. From creating new rules to reviewing existing implementations, users can interact with decision logic conversationally while receiving context-aware recommendations and explanations.

Because the assistant operates directly within Corticon Studio and leverages project context, it provides more relevant and actionable responses than a standalone AI chatbot. This helps teams spend less time interpreting rule structures and more time delivering business value.

Built to Support the Entire Rule Lifecycle

The Corticon AI Assistant supports users throughout the lifecycle of decision automation projects.

During development, it can help generate rules from business requirements and accelerate implementation. While undergoing maintenance, it can explain existing logic, summarize complex rule assets and identify relationships within rule projects. During governance and compliance activities, it can assist with documentation and improve transparency into how decisions are defined and executed.

This in-depth support helps organizations reduce complexity while improving productivity and decision quality.

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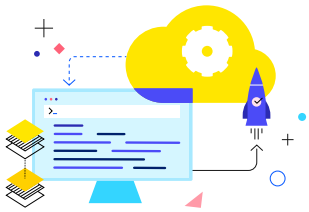
Why AI-Assisted Rule Authoring Matters

Organizations are increasingly expected to adapt policies, products and processes at the speed of business. At the same time, they must maintain transparency, consistency and compliance across their decision-making processes.

The Corticon AI Assistant helps address these challenges by combining the power of generative AI with the governed, deterministic nature of Corticon decision automation. AI accelerates rule development and understanding, while the Corticon platform supports structured and explainable decision logic and keeps it under organizational control.

The result is a faster, more efficient approach to building and managing decision services without compromising governance or accuracy.



Common Use Cases

Rule Generation from Business Requirements

Business analysts and policy experts can describe policies, requirements and decision criteria in natural language, then use AI-assisted capabilities to generate corresponding rule logic. For example, a user could describe eligibility criteria, pricing conditions or approval thresholds and receive a structured starting point for the required rules.

This approach reduces the time spent translating business requirements into technical logic and helps business and development teams align earlier in the project. Rule authors should still review, test and approve generated logic before deployment to confirm that it accurately reflects the intended policy and handles exceptions appropriately.

Logic Review and Knowledge Transfer

Teams can use AI-generated explanations to understand how existing rules, vocabularies and decision flows work without manually reviewing every rule asset. The system can summarize rule intent, identify important conditions and explain how different decisions or dependencies contribute to an outcome.

This can make complex rule projects more accessible to new team members, business stakeholders and developers who did not create the original logic. It also supports knowledge transfer when experienced rule authors change roles, helping organizations retain important decision knowledge and reduce reliance on individual subject-matter experts.

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Documentation and Governance

Organizations can automatically generate clear, business-readable documentation that explains what rules do, when they apply and how they contribute to a decision. The documentation can help connect technical rule logic to the underlying business policy or operational requirement.

More accessible documentation improves transparency for auditors, compliance teams, business owners and other stakeholders who need to understand decision behavior. It can also support rule reviews, change approvals and governance processes by providing a consistent record of rule purpose, structure and expected outcomes. Generated documentation should be reviewed and updated as rules or policies change.

Testing and Validation

Rule authors can use AI assistance to develop test scenarios based on rule conditions, decision paths, boundary values and potential exceptions. This can include common business cases as well as less obvious situations, such as missing information, conflicting conditions or values that sit directly above or below a decision threshold.

By expanding test coverage and explaining why a particular outcome occurred, teams can identify gaps, unintended interactions and incorrect assumptions earlier in development. This helps improve decision accuracy and reliability before rules are deployed. AI-generated test scenarios should complement formal validation and expert review rather than replace established quality assurance practices.



Why Organizations Choose the Corticon AI Assistant

Organizations adopt the Corticon AI Assistant to accelerate rule development, simplify decision management and improve collaboration across business and technical teams.

By combining natural-language interaction with contextual awareness of Corticon rule assets, the AI Assistant helps teams create, understand and govern decision logic faster while maintaining the transparency and control required for enterprise decision automation.

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At a Glance

- Embedded directly within the Corticon Studio authoring environment
- Supports rule generation from natural-language business requirements
- Generates documentation, explanations and rule summaries automatically
- Provides contextual awareness of rulesheets, vocabularies and ruleflows
- Helps accelerate onboarding, testing and rule maintenance activities
- Leverages OpenAI or Azure OpenAI services to enhance rule authoring productivity

Ready to Accelerate Rule Authoring?

Discover how the Corticon AI Assistant helps teams generate rules faster, improve decision transparency and simplify the management of complex decision logic—all within the Corticon authoring environment.

Turn business requirements into decision logic—faster with the Corticon AI Assistant.

Get started with Progress Corticon today!

About Progress Software

Progress Software (Nasdaq: PRGS) provides the context and control organizations need to reliably extract value from AI—context drawn from an organization's data, content and workflows, and control over the security, governance and cost of their AI initiatives. Learn how hundreds of thousands of businesses, powering the work of tens of millions of professionals worldwide, realize value from trusted, enterpriseready AI at www.progress.com

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