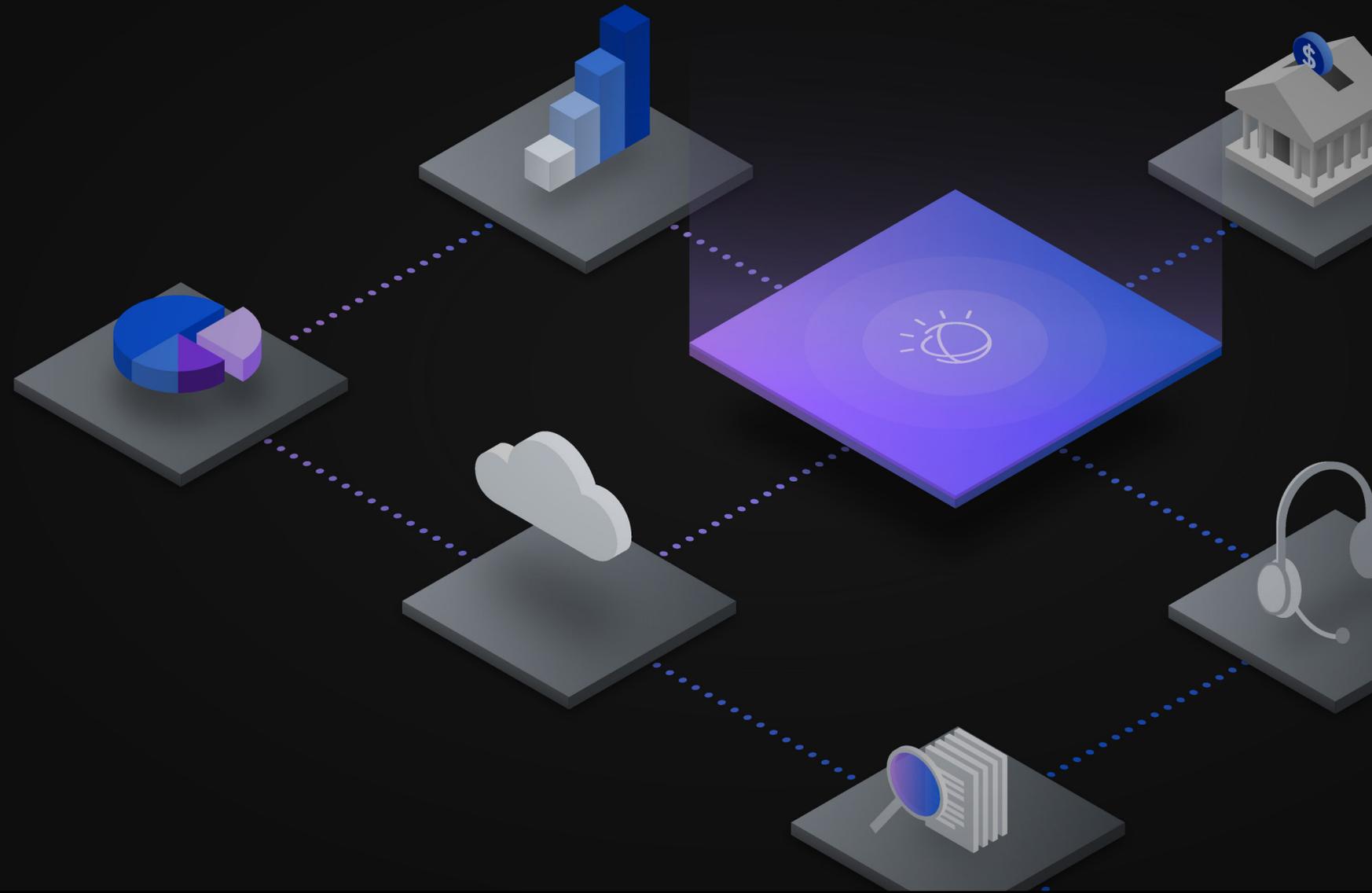


IBM OpenPages with Watson

IT Governance



Confidence you
can **achieve**
your business
objectives in
a world of
dynamic risk

Market challenges

Despite the growing consensus around the importance of IT governance, organizations are still challenged to deploy a suitable governance solution. This is partly because of IT and cyber risk challenges based on the complexity of today's typical enterprise IT infrastructure. Years of mergers and acquisitions, past failed IT projects, combined with myriad IT applications have resulted in an enterprise environment that is a mix of many operating systems, application networks and short-lived containers. Today's complex IT environment also means that there are countless interdependencies between disparate systems. This has the potentially fatal consequence of risk aggregation where a single system failure manifests in multiple systems and paralyzes business operations.

Manage IT and cyber risk with ease

IBM OpenPages IT Governance facilitates excellence in information technology governance by aligning IT policy, risk and operations management with corporate business initiatives, strategy, and operational standards. This next-generation governance, risk and compliance (GRC) solution features the business intelligence capabilities of IBM Cognos® Analytics for self-service data exploration and insights. The UI was developed with IBM Enterprise Design Thinking® for optimal user experience.

With IBM OpenPages IT Governance, organizations obtain a holistic view of IT risk and map them to business processes. This helps assure that top-line and bottom-line performance goals are met.

IBM OpenPages with Watson is an AI-driven GRC solution built to help organizations manage risk and regulatory compliance challenges. Using AI capabilities from IBM Watson®, the OpenPages platform consolidates disparate GRC systems and centralizes siloed risk management functions in one integrated solution. This helps reduce the cost of maintaining multiple solutions.

With OpenPages, clients can operationalize AI across the business, build and scale AI with trust and transparency, and create a business-ready analytics foundation. The solution drives GRC adoption with zero training into all three lines.

IBM OpenPages IT Governance

IBM OpenPages with Watson provides a complete set of REST APIs allowing two-way integration with various systems. The API is:

- Comprehensive (all GRC Object types are automatically published to the API as well as custom objects).
- Consistent, allowing reuse of integration.
- Enforces access control rules.

Capabilities that address the new GRC landscape

GRC systems must support a unified, cross process-view. This approach can improve governance to ensure that everyone in the organization is responsible for managing risk. It also helps drive out costs while maintaining agility.

The market today demands more participation from all lines within an organization, especially the first line. A more holistic view of risk and compliance across the enterprise is needed to every employee and supplier. IBM OpenPages with Watson addresses these challenges with useful features.

- Dynamic dashboard capabilities support improved productivity and risk management.
- Administrators and users can customize views, visualizations, widgets, task tabs and personalized landing page options based on duties and responsibilities.
- Task views enable zero-training for all lines within an organization. A task- focused user interface streamlines even complex processes and actions for users.
- The embedded GRC workflow feature now covers more use cases and can run on a scheduled basis. Assignments can leverage multiple sources. New options include drag and drop functionality and workflow variables.

- Common risk library and single data model ensures consistent holistic views of risk and compliance.
- Users can add favorites, heat-maps, sibling relationships and more, while user guidance quickly and dynamically builds key fields.
- Integrates with third-party systems through REST APIs.
- Automatically update security compliance posture, security weaknesses and vulnerabilities.
- Embedded with IBM Cognos Analytics to drive relevant, predictive insights.
- Deploy anywhere: Whether it's IBM, Amazon, Google, or Microsoft, OpenPages runs in any cloud and on-premises environment through IBM Cloud Pak for Data.
- Integrates with Watson Natural Language Processing to enable suggestions for categorizing or associating records.
- Integrates with Watson Assistant to facilitate the creation of a virtual assistant that can assist users in a question-and-answer format using natural language understanding.

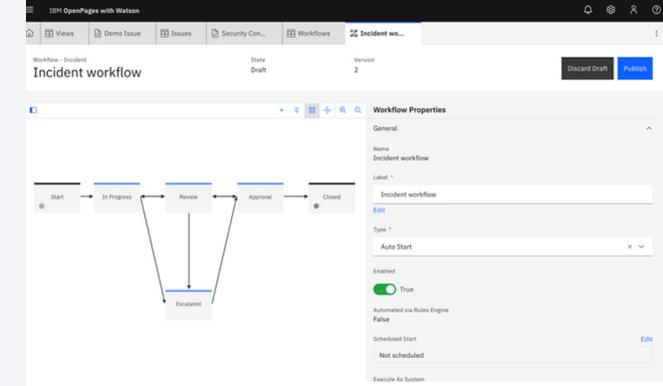


Figure 2. IT Workflow: Build workflows in minutes and automate the processing of issues, vulnerabilities, incidents, questionnaire assessments and application assessment reviews.

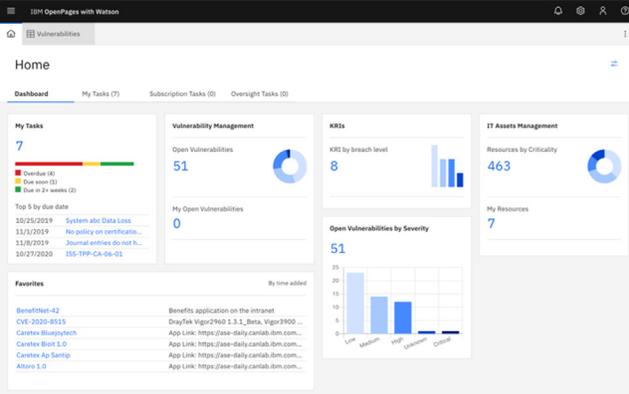


Figure 1. The IBM OpenPages IT Governance Dashboard: View all issues, incidents, vulnerabilities, and business applications that require user attention in one single configurable dashboard.

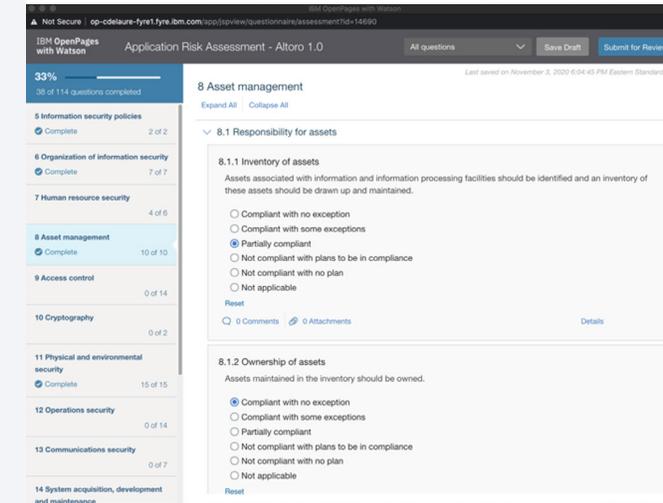


Figure 3. Questionnaire Assessment UI: Engage with assets or business application owners for classification or compliance assessment.

| Features | Description | Benefits |
|---|---|---|
| Engaging UI User Experience | Provide users with a modern UI with views tailored to the task at hand with task guidance, in line guidance, and a configurable homepage. | When 1st, 2nd, or 3rd line login for the first time, they will be confident they can complete tasks. As they mature in the different GRC activities, users will be able to make it their own. |
| Agile GRC | Nearly 100% configurable by business users, including forms, user interface, language, reporting, workflow, and system-wide settings. | Facilitates a flexible approach to risk management that can rapidly accommodate changes and align with the organization's existing procedures and naming conventions. Helps lower total cost of ownership. |
| AI and NLP | Integrates with Watson Natural Language Processing (NLP) solutions such as Watson Assistant, Watson Language Translator and Watson Natural Language Classifier. | Provides expertise support at the fingertips of every user. Helps the user by suggesting the correct classifications, removing the burden of daunting taxonomies, by inserting a virtual assistant to answer most common questions. |
| Key risk indicator | Create and monitor performance indicators for all key risks and controls. Track risk metrics and thresholds, with an automated notification when thresholds are breached. | Mitigates risk via proactive management of key risks. Improves top- and bottom-line corporate performance. |
| Business application risk assessment | A central source for all business applications, including risks, controls, regulatory applicability, issue plans and actions, and business impact assessments. | Centralizes the whole application risk management practice and provides key risk information and mitigation plans in a business context through the processes each business application supports. |
| Business Analytics | Dynamic dashboards, charts, and dimensional reporting gives insight into the state of risk across the organization. Drill-down through sub-reports for root cause analysis. Provides browser-based ad hoc, drag-and-drop report design. | Delivers on-demand, actionable reporting on the current state of operational risk across the entire organization. Ensures the immediate execution of risk mitigation strategies. |
| IT Incident Management | Track IT incidents and near misses, threat vectors, threat actors, and determine root causes and ownership. | Improves risk measurement, minimize losses, and manage risks related to IT incidents, allowing the Incident Response, SecOps and Risk teams to collaborate through integrations between the various systems. |
| Vulnerability management | Track vulnerabilities and configuration weakness not following IT policies remediation, mitigation, or time defined timeframes. | Focuses on exceptions to policies rather than the millions of datapoints generated by common security solutions. |

Figure 4.
Features and benefits

Why IBM OpenPages with Watson

IBM OpenPages with Watson transforms the way risk and compliance professionals work. By providing core services and functional components on a scalable platform that spans operational risk, model risk, third party risk, regulatory compliance, IT governance, business continuity, internal audit, policy and financial controls management, IBM OpenPages with Watson delivers a holistic view of risk and regulatory responsibilities across the enterprise.

IBM OpenPages with Watson merges Watson's AI capabilities and the expertise of our extensive partner network to help risk and compliance professionals make more informed decisions to manage risk and compliance processes. It delivers on the marketplace demand for an integrated end-to-end solution that enables organizations to connect internal GRC policies and practices to the external regulatory environment. To learn more, visit our product page at ibm.com/openpages

For more information

To learn more about IBM OpenPages with Watson IT Governance, visit ibm.com/openpages



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