

IBM OpenPages with Watson

IT Risk Management

IT Risk Management is essential to any organization.

However, effective IT Governance does not come easy.

Avg total cost of data breach in the US:

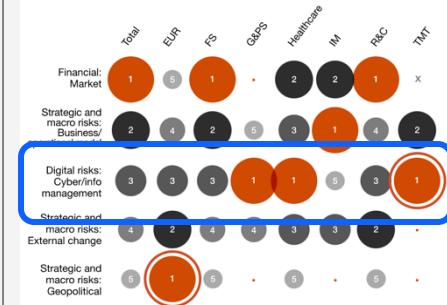
\$9.44M

Global average total cost of a data breach:

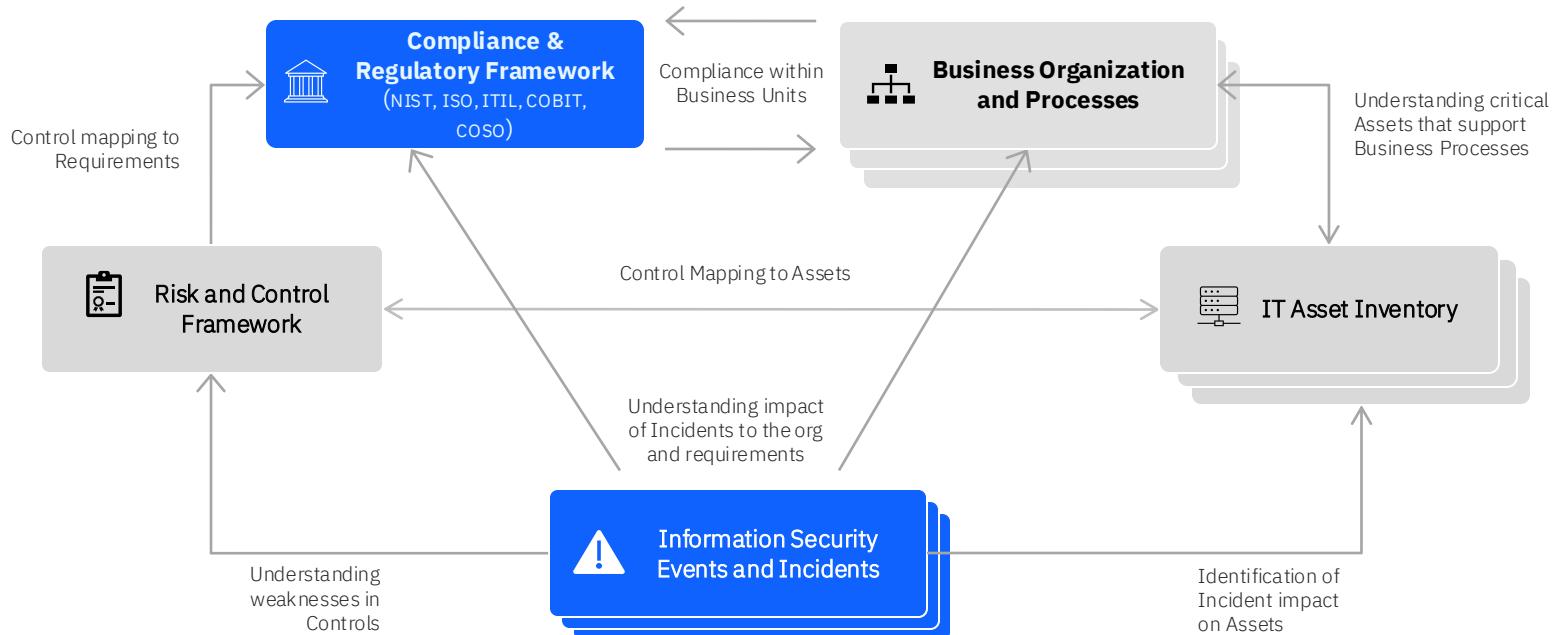
\$4.35M

2022 Global Risk Survey

The risks that concern the C-suite the most. The case for risk owners and risk managers to coordinate closely.



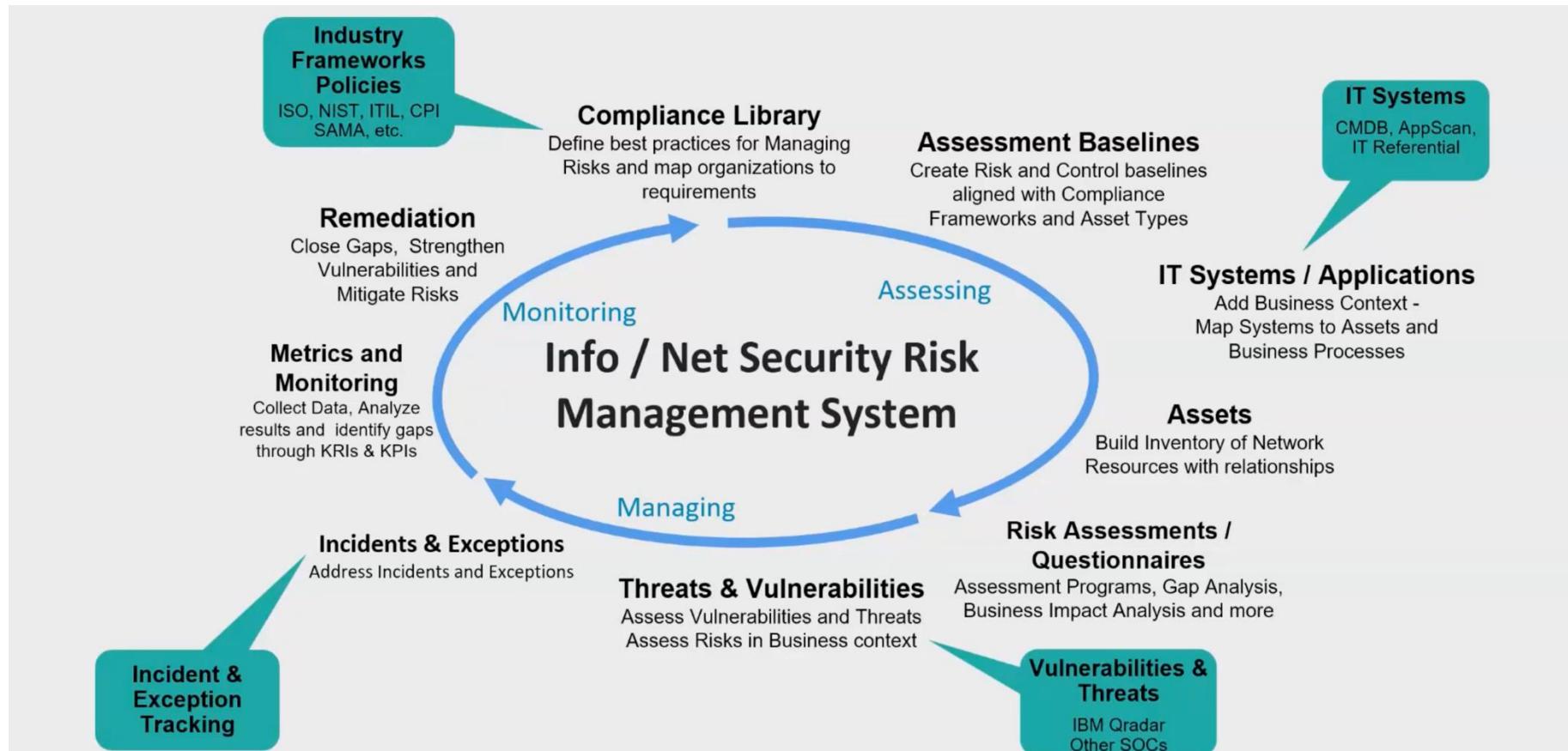
IT Governance Challenges



IT Governance is easier said than done

| Common challenges | Optimization approach |
|--|--|
|  Fragmented, disparate practices for managing IT resources and monitoring metrics |  Automate activities using configurable, no-code workflow tooling. |
|  No single view of IT risk across the organization |  View risk from any level using a flexible object model and mapping to your organization's hierarchical structure. |
|  Tracking the thousands of IT applications and related risk data. |  Integrate with third party systems to bring only the most relevant incident and vulnerability data for analysis. |
|  Lack of reporting capabilities to understand IT Risk across the organization |  Business Intelligence pre-integrated with IT Risk data for reporting and dashboarding. |

OpenPages IT Security Risk Capabilities



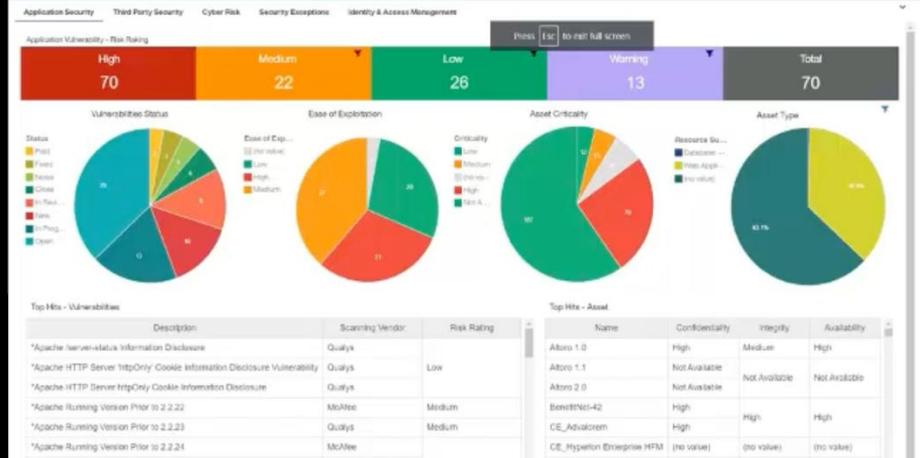
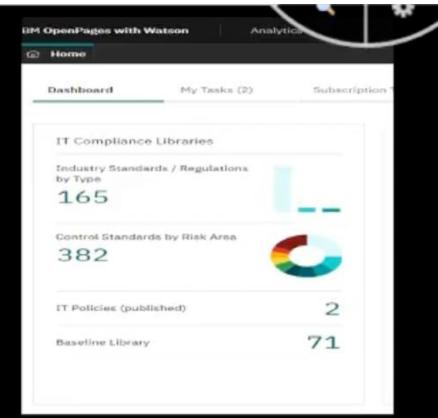
OpenPages IT Security Risk Capabilities

Key Features

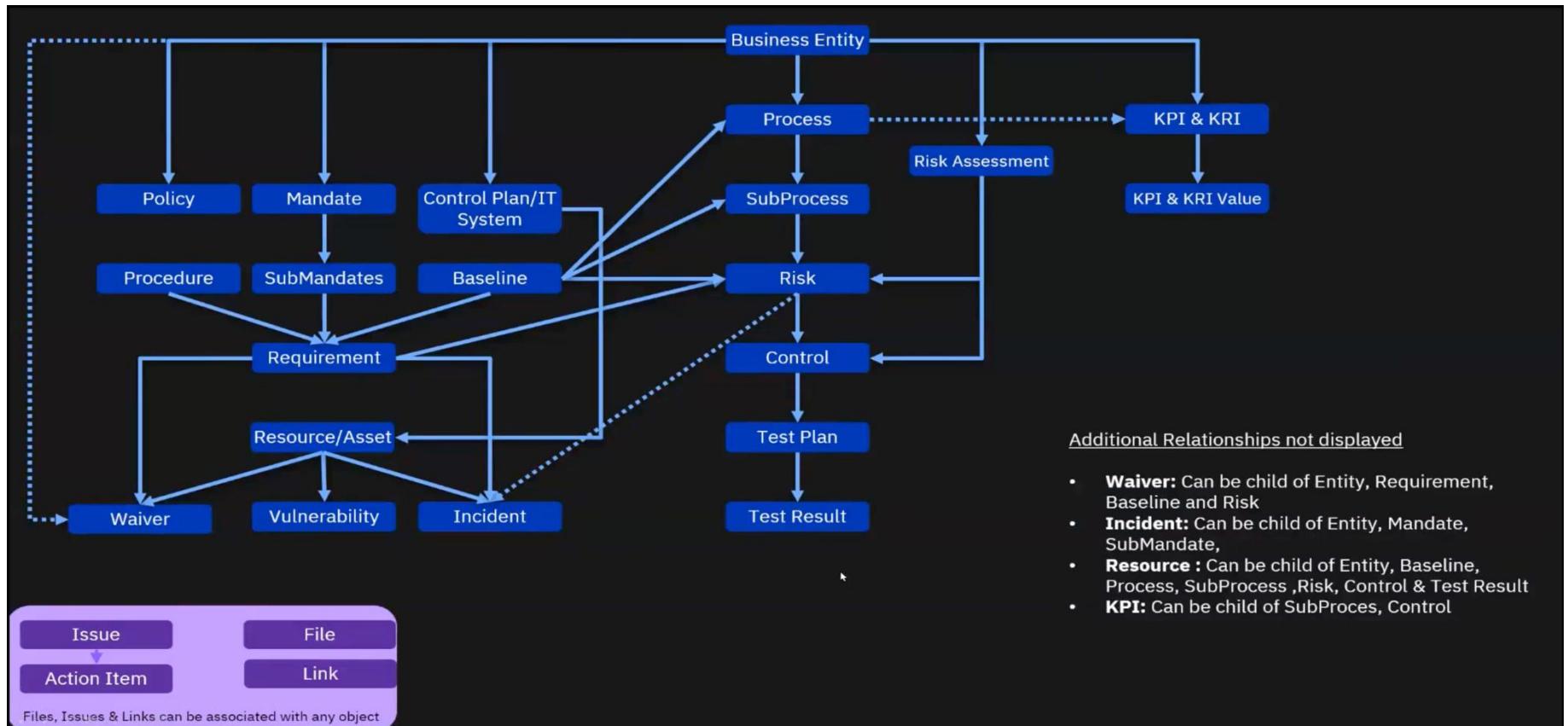
- Integrated solution for managing IT Risk and compliance
- Assess IT risk in context of business
- Identify key risks, controls and/or gaps
- Support for the regulatory certification and audit process
- Optimize your control environment
- Track and manage common requirements across laws, regulations, standards and policies
- Integrated with UCF, the industry's most comprehensive IT compliance database

Business Outcomes

- ✓ Manage internal IT controls and risk according to the business processes they support
- ✓ Unites multiple silos of IT risk and compliance to deliver improved visibility, better decision support, and enhanced corporate performance



OpenPages IT Governance Framework



Scenario 1: Understanding IT Risk in the Business Context

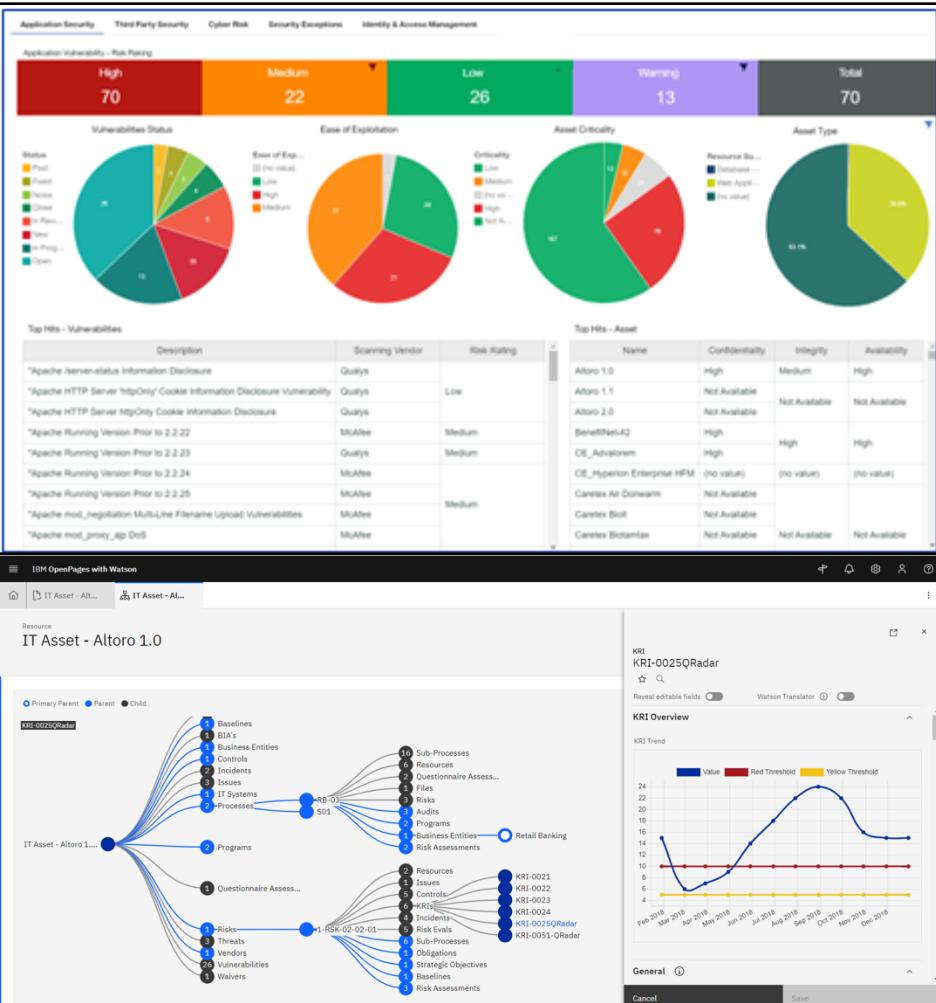
Business Challenge:

- IT Information is siloed and not harmonized.
- Unable to easily understand which critical assets support which business processes.
- Need for reporting and visualization.

Solution:

OpenPages with Watson – ITG Governance provides the mapping and visualization capabilities to understand IT Risk from a business context:

1. Utilize Cognos Analytics to create dashboards and reports pre-integrated with live data from OpenPages.
2. With a flexible object model, map your critical IT assets to supported business processes and visualize the relationships to related risks and controls



Source: IBM Global AI Adoption Index 2022

Scenario 2: Real Time Monitoring of IT Assets

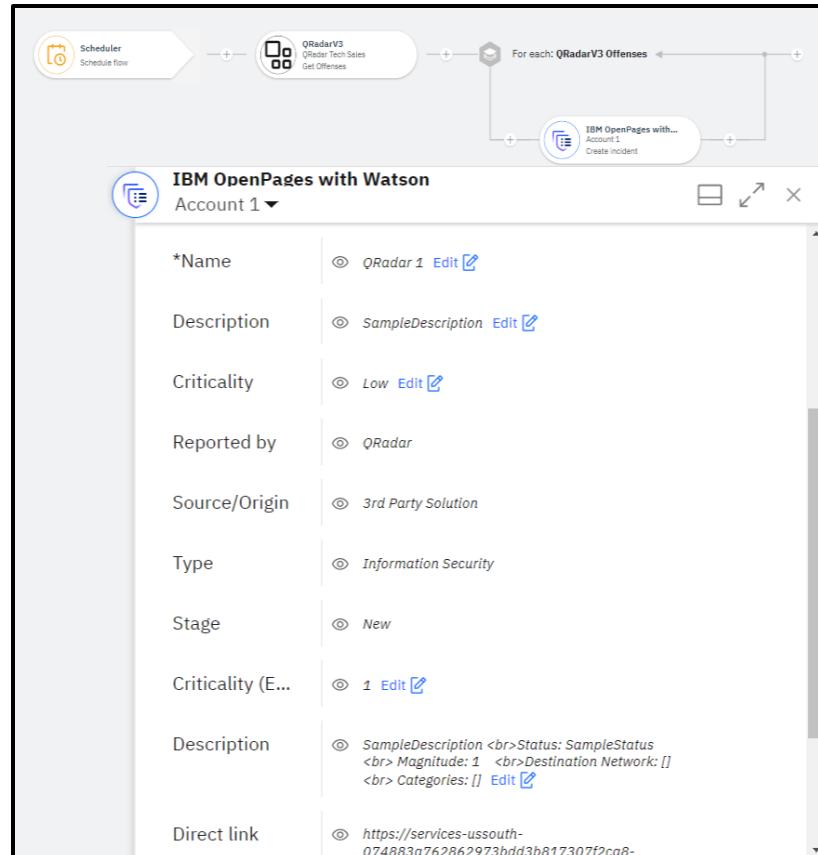
Business Challenge:

- Monitoring of incidents and vulnerability data is needed to understand risk posed to IT assets and the business processes they support.
- Risk professionals cannot be overwhelmed with all the data produced by SIEM and vulnerability assessment tools.

Solution:

Utilize OpenPages with Watson as a smart connector on IBM App Connect to create and manage integrations:

- Connect to incident, vulnerability management, and other third-party tools such as QRadar, Guardium, and ServiceNow.
- Pull in only the information needed from a risk management perspective to prevent information overload
- Create KRIs from data aggregated from incident and vulnerability management tools.



Scenario 3: Managing IT Risk and Compliance

Business Challenge:

- IT Risk Management needs the ability to define one or more risk and compliance frameworks (such as NIST or ISO) with harmonized controls mapped to them and to IT resources.
- Risk management professionals need automation to simplify risk and compliance processes.

Solution:

IBM OpenPages offers the ability to define multiple IT risk and compliance frameworks with harmonized controls that can be automatically updated when these change.

Configuration capabilities to automate processes and give users the information they need when they need it

- Configure and assign views to workflow stages to give users only the data needed to complete assigned tasks.
- Drag-and-drop workflow designer.
- Questionnaire assessment designer.
- Automate actions between stages of workflows and apply your risk scoring methodology using the calculation engine.

The image displays three separate windows of the IBM OpenPages application:

- Top Window:** Shows the "Asset Details" section with a pie chart titled "Controls by Operating Effectiveness" (Medium: Red, High: Green, Low: Yellow). It also features a "Threats" section with a pie chart and a "Vulnerabilities" section with a table.
- Middle Window:** Displays the "Incident workflow" configuration. A diagram shows states: Start → In Progress → Review → Approval → Closed. An "Escalated" path leads from Review back to Start. The "Workflow Properties" panel indicates the name is "Incident workflow".
- Bottom Window:** Shows the "Questionnaire Resource Resource CIA" configuration. It includes sections for General, Applicability, Operators, and Calculations. The Calculations section contains a table with rows for "C", "I", "A", and "CIA". The "CIA" row uses a "Set Field" expression: "OPSS-CIAConfidentiality" if (CIA == High OR (I&A == High) AND (High OR (C&E == Medium OR (I&A == Medium) AND (Medium OR (S&E == Medium OR (A&C == Medium) AND (Low OR (S&E == Low) OR (A&C == Low)))))))".

Scenario 4: Leverage AI to improve accuracy and speed

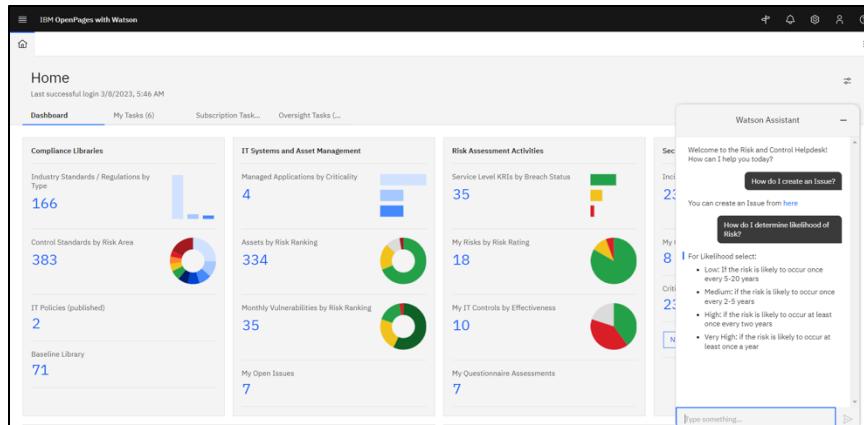
Business Challenge:

- Risk monitoring involves the analysis of data from many different tools, which can become overwhelming.
- Risk professionals need tools to identify relationships and gain insights into their data.

Solution:

OpenPages deploys pre-integrated with AI services to bring efficiencies and insights into risk management data.

1. Utilize Watson Assistant as a virtual assistant.
2. Suggested recommendations for relationship mapping and data classification using natural language understanding.
3. Gain insights and classify data by executing models housed on Watson Machine Learning.
4. Detect and translate over 52 languages into any of the eight languages supported by OpenPages.



Display of Watson Assistant providing guidance to end user.

The screenshot shows the 'New Issue' creation form in IBM OpenPages with Watson. The form includes fields for Name (New Issue), Description (Unauthorized access to secure area due to piggybacking card scan for entry.), Priority (Medium), Issue Type (Operating Effectiveness), Domain (selected items), and Deficiency Details. To the right, a sidebar titled 'Controls Mapping' lists suggested controls based on the issue description, such as '11.1.6 Delivery and loading areas' and '11.1.2 Physical entry controls'. Each suggestion includes a relevance score and a 'Map to Issue' button.

Display of suggested Control mappings based on text supplied on an Issue.

Awards

RiskTech 100 2023

Category Winner IT-GRC
Category Winner Cyber Risk Management



2021 Chartis Risk Tech Quadrant
for ITRM Solutions - Leader



2021 Red Dot Design Award for User Interface

Gartner®

Magic Quadrant

2021 ITRM Gartner MQ –Leader Position
(6th consecutive)

Learn more:

Website: <https://www.ibm.com/products/openpages-with-watson>

Study: [ROI of IBM OpenPages With Watson](#)

Video: [IBM OpenPages with Watson: Overview](#)

Video: [IBM OpenPages with Watson IT Governance](#)

Report: [Chartis Research GRC Solutions, 2021 Market Update and Vendor Landscape](#)



IBM OpenPages with Watson – IT Governance

IT Regulatory and Policy Compliance

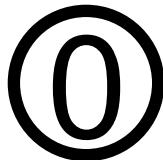
- Track and manage common requirements across laws, regulations, standards and policies.
- NLP tooling for mapping regulatory requirements, policies, and controls to assets.
- Questionnaire assessment and workflow management.
- Waiver request and monitoring.

Risk Management

- Manage IT risk in context of the business.
- Identify, manage, and report on risk/compliance at scale.
- Use dynamic dashboards for clear, customizable results.
- Enhance collaboration across regions and geographies with drag-and-drop workflows.
- Issue management workflows to remediate risk concerns.

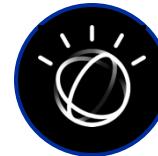
IT Asset Inventory and Monitoring

- Map applications to business processes with flexible object model.
- Integrate with third party systems to bring critical incident and vulnerability assessment data into your GRC workflows.
- Key Performance and Key Risk Indicators.
- Display relationships between threats, vulnerabilities, assets, and processes.



Zero Code Platform

Create views, workflows, calculations, reports, and fields through configuration.



Watson AI Ready

Integrates with NLU, Watson Assistant, Natural Language Translator, and Watson Machine Learning.



Pre-integrated with Cognos Analytics

All OpenPages Solutions come pre-integrated with the AI-infused business intelligence capabilities of Cognos Analytics