

Strategy

Artificial Intelligence

For Security and Risk

Four AI Strategies



AI Governance

- Assess the readiness of the organization to take on AI.
- Build a governance program designed to safely innovate with emerging technologies, especially AI.



Generative AI

- Automate summary activities for events, incidents, issues, and audits
- Ease user friction for risk and control assessments by using GenAI interview-style
- Empower executives to get information via chat



AI Predictive Analytics

- Predict breaches, fraud, misuse of credentials based on behaviour trends
- Identifying emerging threats based on wealth of internal and external sources
- Be an unbiased observer of risky conditions within the business

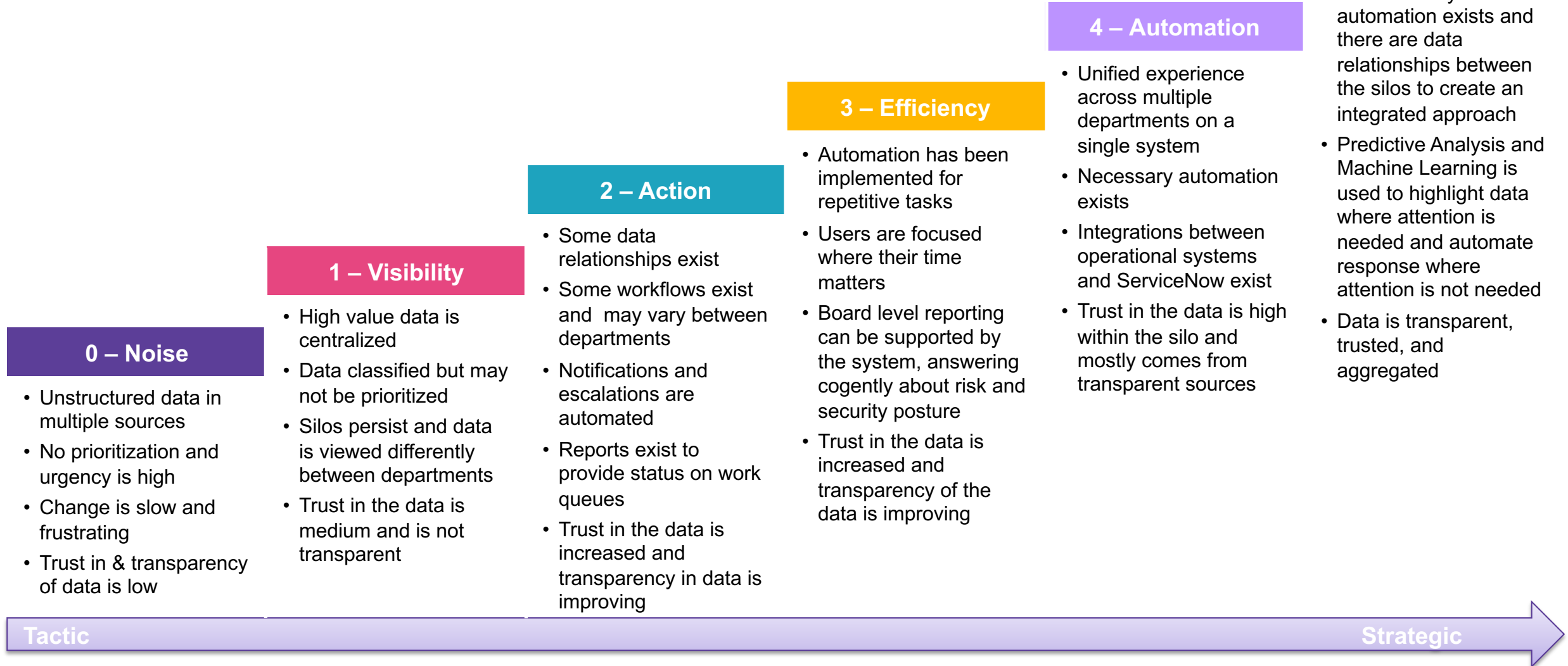


Machine Learning

- Identify and automate repetitive tasks
- Recommend new assignment groups, business rules, or design changes based on consistent user behaviour
- Identify high friction user experience areas for remediation





Maturing Security, Risk, & Resilience

Align the business imperatives to move along the path to maturity







AI is only as powerful as the foundation it's built on

Example maturity journey by feature

	Phase 1	Phase 2	Phase 3	Phase 4
 Machine Learning	<ul style="list-style-type: none">Recommended assignment of records such as issues, remediation tasks, and security incidents.	<ul style="list-style-type: none">Recommended groupings of vulnerable items.Recommend impacted citations based upon regulatory alerts.Recommend grouping of risk events and issues.	<ul style="list-style-type: none">Recommend controls to be associated to the correct risks.Identify duplicate controls or risksIdentify candidates for automation-based length of task and ease of automation.	<ul style="list-style-type: none">Automated risk assessment resultsAutomated incident playbook deployment, coupled with robot process automationRecommend controls for automation based upon platform usage.
 AI Governance	<ul style="list-style-type: none">Create a new technology request form.Assess readiness for organization to adopt AI.	<ul style="list-style-type: none">Identify industry or regulatory standard that is either required or preferred to monitor compliance.	<ul style="list-style-type: none">Build "New Technology" risk and compliance framework and identify profiles and conditions that would bring a technology risk in or out of scope.Define a lifecycle for new technology requestsBegin to assess new technology requests based on this framework.	<ul style="list-style-type: none">Monitor new technology requests for KPIs and performance.Monitor new technology requests for risk and compliance throughout the lifecycle.
 Generative AI				
 AI Predictive Intelligence				

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Example maturity journey by feature

	Phase 1	Phase 2	Phase 3	Phase 4
 Generative AI	<ul style="list-style-type: none"> Machine learning & AI Governance 	<ul style="list-style-type: none"> Summarization of incidents, risk events, issues, and audit findings Chatbot to assist in the performance of control self assessments 	<ul style="list-style-type: none"> Chatbot to support the creation of ad hoc reports Chatbot to support the performance of audit engagements. 	<ul style="list-style-type: none"> Interview style risk assessments Executive chat bot to answer near real-time questions about updates for security incidents and risk events Executive chatbot to summarize the company's risk, security, and/or compliance posture in business language.
 AI Predictive Intelligence	<ul style="list-style-type: none"> Machine learning & AI Governance 	<ul style="list-style-type: none"> Track trends in risk, compliance, and security postures 	<ul style="list-style-type: none"> Threat analysis using a wealth of data both current and historical. Automate services mapping from business services → applications → assets → components 	<ul style="list-style-type: none"> Predict emerging risks, potential breaches, and high-risk individuals. Identify highest risk exposures based upon threat landscape and attack surface.
 Machine Learning				
 AI Governance				

AI Governance



80%

of business leaders considers generative AI to be the top emerging technology of the next few years

19%

of CEOs are completely confident they have standardized AI-related policies and procedures in place.

50%

is the expected increase in adoption, business goals, and user expectations for organizations who have established an AI governance program

Up next:



Generative AI



AI Predictive Analytics

Governance for AI

Innovate and be resilient

GenAI and other emerging technologies offer a great degree of opportunity – but with great opportunity comes great risk.

Enable your business to innovate with confidence, with NewRocket's Governance for AI program, on ServiceNow.

- Innovate with confidence
- Assess your readiness to implement AI
- Standardize requests from business users to use AI or other emerging technologies
- Perform a risk and threat assessment against requests to make informed decisions
- Consider AI in the context of regulatory standards like NIST AI RMF and EU Ethical AI Act
- Continuously monitor the deployment of AI throughout the project lifecycle and into production
- Monitor all emerging technology for success and failure to maximize lessons learned.

NEWROCKET

Go Beyond Workflows TM



Generative AI



>80% of businesses will have used GenAI by 2026 (up from 5% in 2023)

30% of individuals will use GenAI to improve their workplace communication and NewRocket believes this should be higher in Risk and Security.

Up next:  AI Predictive Analytics

Security Incident Response

Empower your SOC teams with better incident response and GenAI

Cybersecurity incidents are high pressure, high stakes situations. Containment, operational recovery, and executive communication all clamour for attention.

NewRocket's Security Incident Response offering, tied with ServiceNow's NowAssist capability, automates where it matters, allowing Security Operation Centres to contain, recover, and communicate more efficiently.

- Know your technology footprint
- Improve your incident response with playbooks
- Prioritize effectively so resources are focused on where they are needed most
- Summarize incident updates and closure notes via GenAI
- Bring incident management and recovery under a single pane of glass
- Coordinate effectively between Security and IT

NEWROCKET

Go Beyond Workflows TM



Predictive Analytics



82%

of data breaches in 2022 were the result of employee behaviors which were unsecure or inadvertent

>60%

of employees admit to performing activities which are defined as risky or unsecure.

93%

of those employees admit they know these activities pose a risk to the business and is counter to policy

AI Predictive Intelligence

Even more exciting than GenAI for Risk and Security is predictive intelligence...

- Predict security exposures based on predictors of human behaviour and escalate incidents for breaches before they happen
- Predict emerging risks and findings based upon history and most likely outcomes
- Predict highest risk exposures based upon current threat landscape and attack surface
- Consider an organization's risk based upon a global wealth of information from disparate sources
- Automate services mapping, from services to applications, to assets, to components
- Automate continuous controls monitoring and predict trends in compliance posture