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How to Optimize Secure Agent Use with Elastic Runtime Orchestration

- Dilip Poluru, Director Product Management
- Abhilash Mula, Director, Product Management
- Rameez Ghous, Senior Manager Product Marketing

Where data & AI come to 

Housekeeping Tips



- Today's Webinar is scheduled for **1 hour**
- The session will include a webcast and then your questions will be answered live at the end of the presentation
- All dial-in participants will be muted to enable the speakers to present without interruption
- Questions can be submitted to "All Panelists" via the **Q&A option** and we will respond at the end of the presentation
- The webinar is **being recorded** and will be available on our [Success Portal](#) - where you can download the **slide deck** for the presentation. The link to the recording will be emailed as well.
- Please take time to complete the **post-webinar survey** and provide your feedback and suggestions for upcoming topics.

Feature Rich Success Portal



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POC Customers



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Three Speakers



Abhilash Mula

Director, Product Management



Dilip Poluru

Director, Product Management



Rameez Ghous

Senior Manager, Product
Marketing

Agenda

1 Why Elastic Runtime Orchestration

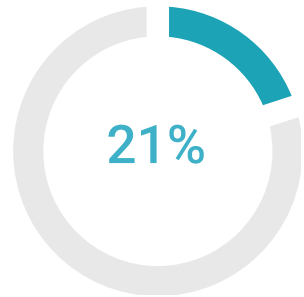
2 Capabilities We Have Developed

3 Demo

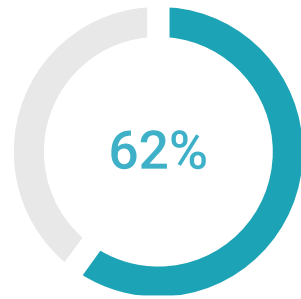
4 Our Roadmap

Current Situation

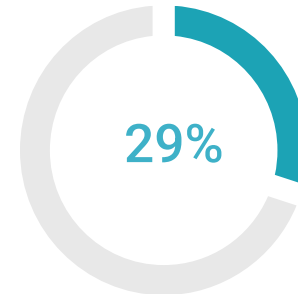
Engineering leaders and developers are struggling to manage their cloud resources



Enterprise cloud infrastructure spend—equivalent to **\$44.5 billion** in 2025—is wasted on underutilized resources



Want more control and responsibility for managing cloud costs



Say optimization tools are fully integrated into the software development lifecycle (SDLC)

[Report by Harness - FinOps in Focus 2025](#)

Informatica **World**

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Why Elastic Runtime Orchestration

Reduce customer OpEx and increase internal SLAs with modern DevOps tooling

Top ask from Customers



Infrastructure Management

A simple way to manage VM infrastructure hosting Secure Agents across cloud and on-premises environments.



Capacity Adjustment

Need of dynamic capacity adjustment in response to fluctuating workload demands to optimize cost



Monitoring

Ability to view enterprise-level insights into health, utilization and job activities for proactive management and planning

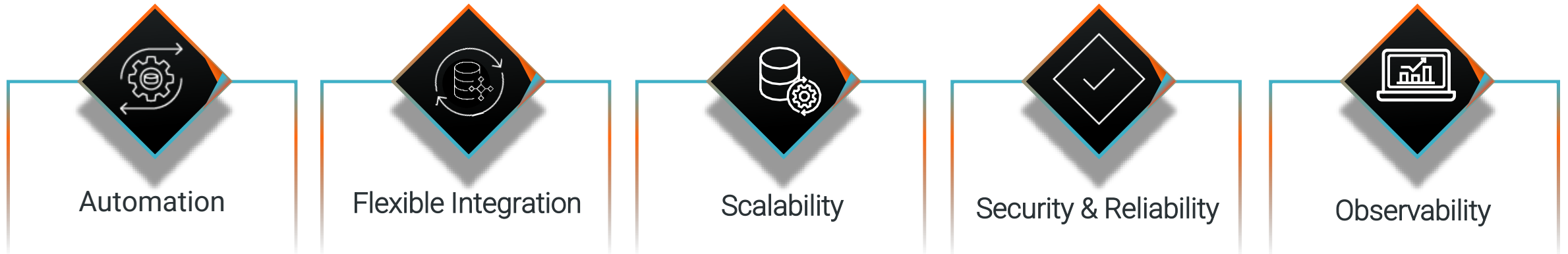


DevOps Integration

Option for seamless integration with established DevOps tools for enhanced automation

Elastic Runtime Orchestration can help

Informatica's Elastic Runtime Orchestration solution will leverage Containers and Kubernetes (K8s) orchestration and provide



Automation & Flexible Integration

Simplify Infrastructure Setup & Deployment

- 1 New Elastic Runtime Command Line Installer (CLI) for elastic deployment of infrastructure
- 2 Informatica managed K8s-powered Secure Agent services seamlessly integrates with AWS cloud & Dev Ops tools.
- 3 Enhanced runtime environment configuration UI & API to pilot and transition to elastic mode.
- 4 Support for Data Integration service & key connectivity.

New Runtime Environment

1 General 2 Enable Components < Back Next >

Define a new environment.

Name: * MyNewElasticEnvironment

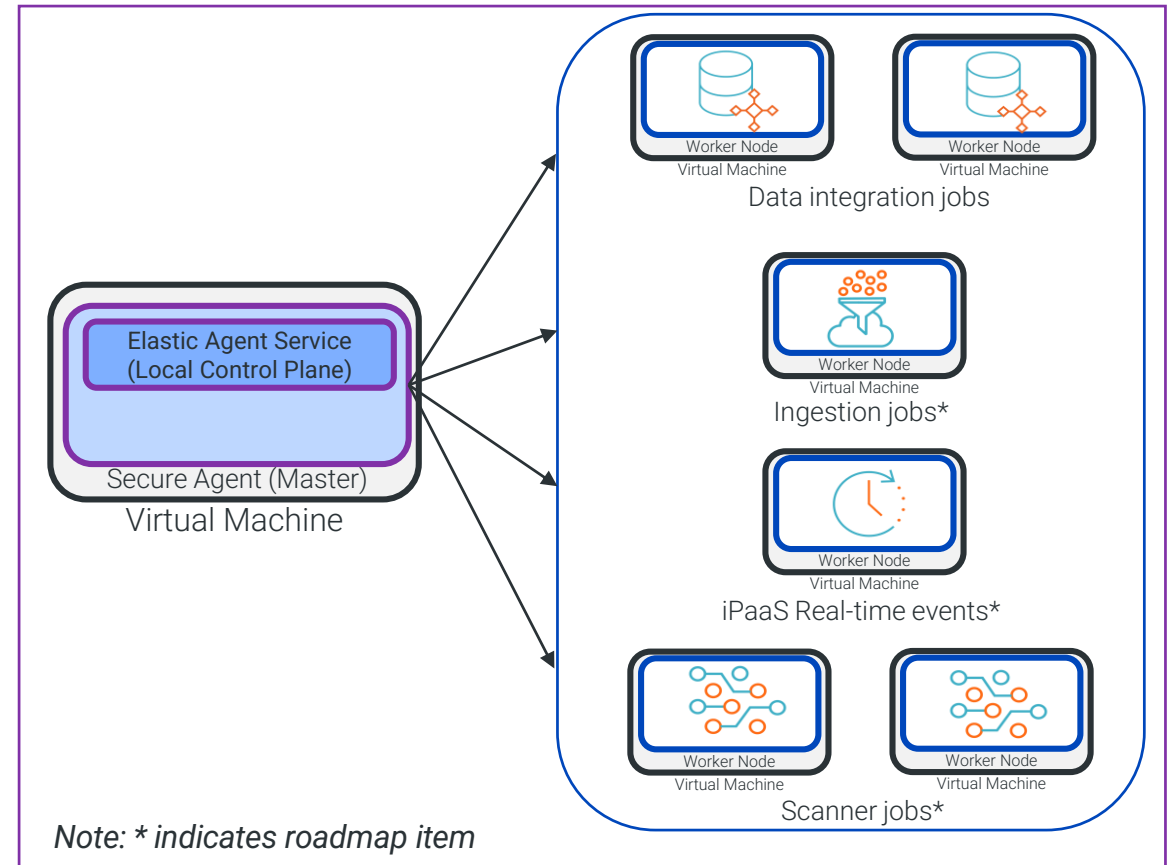
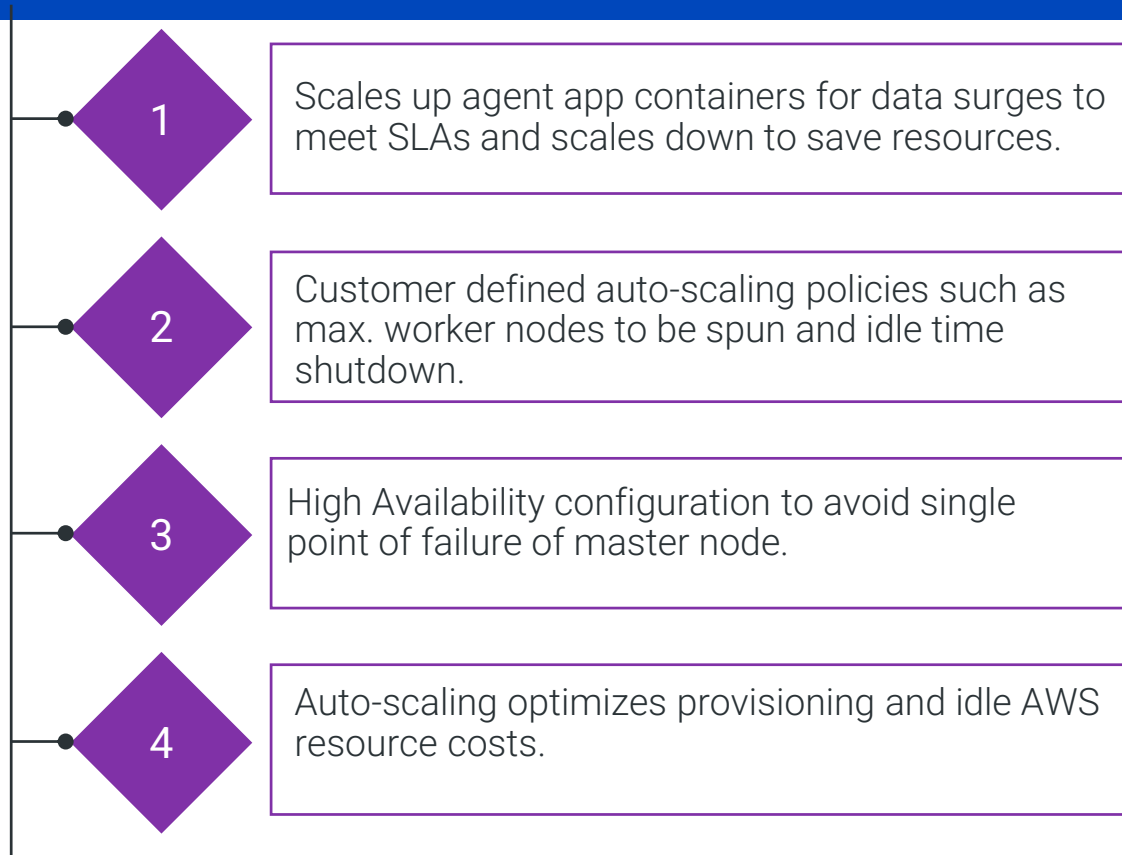
Environment Type: * Elastic Secure Agent Group

Description:

? Cancel

Scalability

Optimize resources with customizable scaling controls



Observability

Comprehensive visibility into Runtime Group health and associated jobs

1

Timeline view of worker nodes spun for each runtime group with linked job executions providing E2E visibility.

2

Consolidated audit logs via UI & API for ease of access and 3rd party integrations.

3

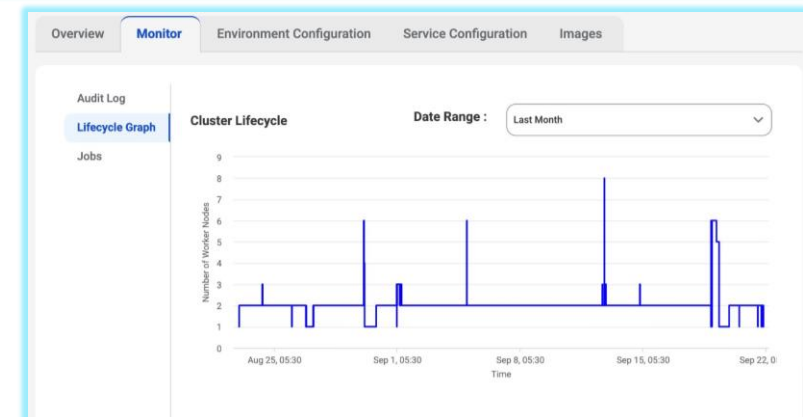
Observability tailored for different user personas – Developer and Admin/Operator.

4

Support for AWS's compute tagging for cost visibility and control across customer workloads.

Environments (3)

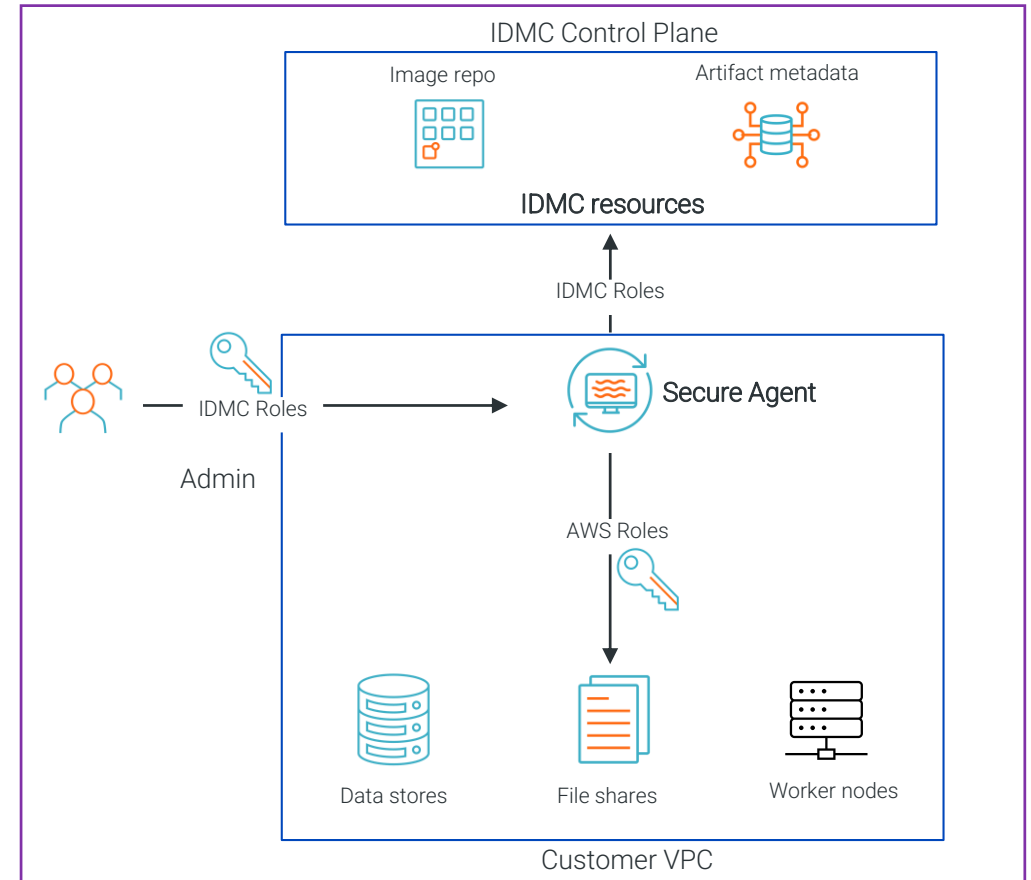
Name	Version	Status
Informatica Cloud Hosted...		✓ Up and Running
RuntimeEnv1		ⓘ No Secure Agents
> RuntimeEnv2		✗ Stopped
∨ MyNewElasticEnvironment (1)		✓ Up and Running
Data Integration Server		✓ 1 Instance Running



Security

Security at every layer protects your data

- 1 Data stays in your VPC. Fine-grained authorization mechanisms for Informatica to deploy and manage elastic runtime in your VPC.
- 2 Granular IAM roles & policies to control access to your AWS resources (EC2, job input and output log storages).
- 3 Built-in scanning for agent service images with mechanisms for custom scanning to meet your compliance needs.
- 4 Isolation at runtime group for department level access and scaling policies. Isolation at workload level for increased reliability.



Use Cases We Address



E-commerce

Auto-scales to handle data surges during peak sales events, ensuring timely processing, meeting SLAs, enhancing customer satisfaction, and reducing AWS costs.



Financial Services

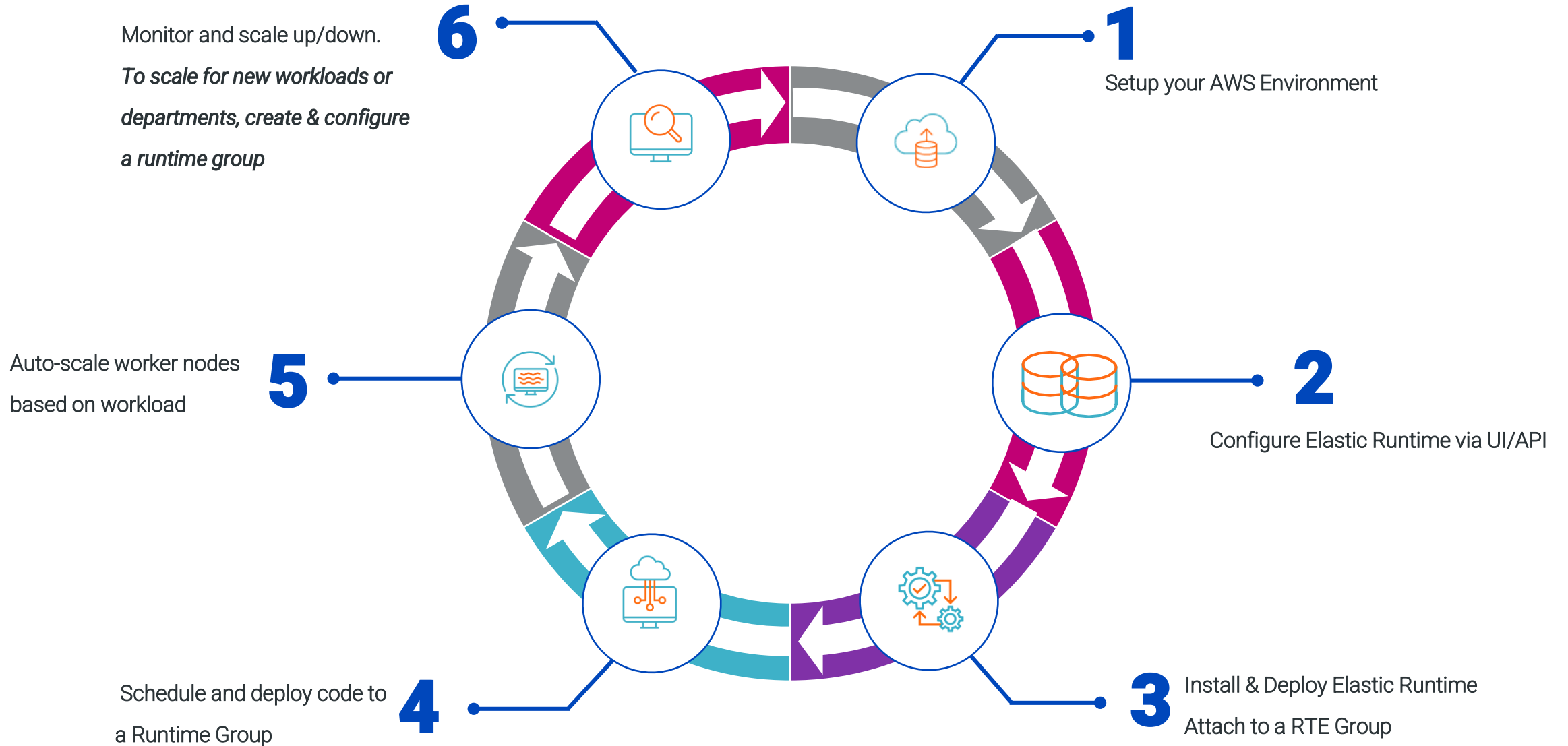
Scales to process large datasets for on-time reporting, ensuring SLA compliance, reducing compute costs, and maintaining data security.



Healthcare and Life Sciences

Dynamically adjusts resources for real-time analytics in drug development, such as processing clinical trial data, ensuring compliance with strict regulations, reducing computing costs and keeping sensitive data secure in your VPC.

Steps to Enable Elastic Runtime Orchestration



DEMO



Looking Ahead

Cloud Data Integration



RHEL/Rocky LINUX

Cloud Ingestion, Data Quality, iPaaS, API center



Agent Image customization supports other Linux OS flavors

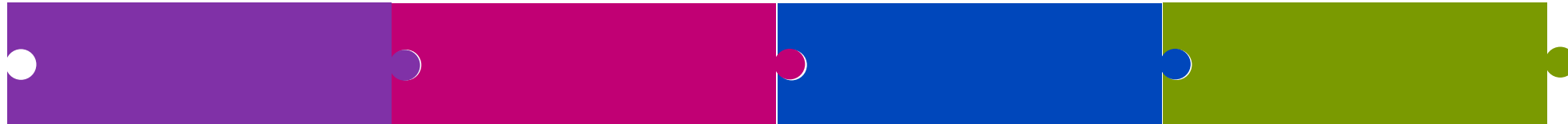
Metadata scanners



Support for rest of Agent services



K8s cluster sharing



Elastic Runtime Orchestration



Elastic Runtime Orchestration



Elastic Runtime Orchestration



Bring Your Own K8s cluster

AWS, Azure, GCP

Act Today

1

Refer

Architecture Center



Reference Architectures, Blogs, Whitepapers, eBooks

2

Read

Report on AI-ready data

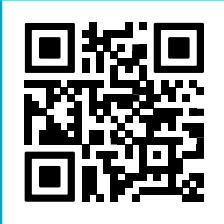


Discover insights and strategies from 370 data experts on being AI ready

3

Try Out

AI Agent Engineering Preview



Sign up for the preview and see how to be Agentic AI ready



Thank You

Where data & AI come to

