



Orchestral Resource Arbitration App

Intelligent Resource Optimization

Orchestral Resource Arbitration App (RAA) is a cutting-edge AI-driven solution designed to optimize resource placement in complex, distributed, and hybrid cloud environments. RAA uses real-time data and intelligent policies to maximize efficiency, streamline management, and empower enterprises with self-service capabilities while ensuring governance and compliance.

Challenges in Modern IT

Managing resources across multiple locations and cloud environments is increasingly complex. IT teams face inefficiencies, with manual processes leading to underutilized assets, increased costs, and slow service delivery. Traditional resource management methods struggle to keep up with digital transformation demands, resulting in suboptimal decisions and lost agility.

Key Features and Benefits

The Resource Arbitration App (RAA) provides real-time insights and intelligent recommendations for resource allocation and efficiency. It enables organizations to optimize resource usage, reduce costs, and improve operational performance.

- AI-Driven Intelligent Policy Engine**
RAA's core is its AI-driven policy engine, which optimizes resource placement based on cost, functionality, network security, and location. This ensures that resources are utilized efficiently, reducing waste and improving performance.
- Self-Service Provisioning Enablement**
RAA empowers users with self-service capabilities while ensuring compliance through automated policy validation. This enables faster provisioning and improved user satisfaction.
- Real-time Data Discovery**
Integration with Orchestral's Data Discovery and Delivery Engine (D3E) provides RAA with real-time infrastructure data, enabling informed decisions that adapt to changing conditions.
- Comprehensive Resource Monitoring & Optimization**
RAA offers visibility into resource availability and utilization, enabling closed-loop auto-remediation and data-driven optimization for peak performance.
- Vendor-Agnostic Integration**
RAA operates independently of specific vendors, homogenizing physical and virtual networks across diverse environments. This simplifies hybrid cloud management and reduces the need for multiple SMEs.
- Facilitation of DevOps and Infrastructure as Code**
RAA's automation capabilities streamline DevOps practices, enabling repeatable, version-controlled, and auditable infrastructure provisioning, reducing human error, and enhancing collaboration.

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Why Choose RAA?

- **Optimized Resource Utilization:** RAA optimizes resource allocation, enhancing security, performance, and cost-efficiency, leading to up to 30% better resource utilization and reduced operational expenses.
- **Simplified Hybrid Cloud Management:** RAA's vendor-agnostic design streamlines hybrid cloud management, cutting management time and effort by up to 40%.
- **Accelerated Time-to-Market:** RAA automates resource provisioning, reducing provisioning times by over 50%, enabling faster application development and deployment.
- **Cost Reduction:** RAA's optimized resource placement drives down operational expenses, with customers achieving up to 30% savings in OPEX.
- **Enhanced User Experience:** RAA powers user-friendly self-service portals, boosting user satisfaction and productivity by provisioning resources up to 10 times faster.
- **Scalability and Security:** RAA supports large-scale, distributed environments, ensuring high performance, scalability, and stringent security compliance.

Case Study: Global Enterprise Transformation

A global enterprise, struggling with a semi-automatic provisioning process that took weeks, turned to Orchestral's RAA. By adopting RAA, the enterprise transformed its application service delivery, achieving:

- **Intelligent Resource Recommendations:** Real-time data drove smarter decisions, reducing errors and inefficiencies.
- **Automated Processes:** Mapping between virtual and physical networks was automated, cutting down service delivery time to under 30 minutes.
- **Centralized Orchestration:** Eliminating the need for distributed vendor-specific tools, the enterprise streamlined its operations and reduced complexity.
- **Cost and Time Efficiency:** Service delivery times were slashed, and operational costs significantly reduced.



When we embarked upon this concept within the company, we were told we were crazy to think of this project and will never see the light of the day. Reached out to Orchestral.ai, with the RAA already in place, they turned out to be crazier than us, together we achieved the improbable

- Sr. Automation Architect, Office of the CIO

