HCLTech Application Resource Management (ARM)

A Strategic Approach to Modernizing IT Infrastructure

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Platinum Partner

IT has made significant strides in sustainable resource consumption, particularly utilizing cloud and data center resources. While cloud providers play a crucial role in building and maintaining sustainable infrastructure, the responsibility of optimizing resource utilization lies with the user. Implementing efficient resource allocation strategies is key to minimizing environmental impact.

HCLTech takes pride in equipping enterprises with cutting-edge Application Resource Management (ARM) solutions. By leveraging industry-leading tools and our extensive expertise, we enhance IT efficiency, promote agility and contribute to sustainable practices. Our solutions are designed to optimize resource utilization, expedite innovation and ensure consistent application performance, reinforcing our commitment to environmentally conscious and efficient IT practices.

Industry needs

When effectively managed by IT operations, infrastructure and cloud, application resources ensure optimal performance with no downtime. In contrast, IT teams that are not skilled in resource management resort to reactive measures during slowdowns or

outages, diverting attention from value-added tasks. This increases downtime costs that can go from hundreds of thousands to a million dollars per hour and negatively impacts brand and customer retention, leading to lost revenue. Additionally, teams not adept at forecasting dynamic cloud resource needs tend to overprovision, thereby inflating costs. Such enterprises seek an ARM solution to streamline resource management to ensure applications perform optimally while optimizing costs in both public and private clouds.

Here are some key requirements of IT teams:

- **Reduce costs and boost efficiency**
- **Improve application performance**
- **Faster time to market**
- **Multicloud architecture for enhanced cloud benefits**
- **Expertise and guidance**

Introducing HCLTech Application Resource Management (ARM)

HCLTech ARM offers services to help enterprises optimize their application resources, including infrastructure, software and data. HCLTech ARM aims to improve application performance, reduce costs and increase agility.

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What we offer

HCLTech utilizes IBM Turbonomic to revolutionize cloud optimization strategies. Integrating the AI-powered solution into your IT infrastructure gives you access to functionalities that improve application performance and increase IT productivity. HCLTech has transformed cloud optimization strategies by harnessing the power of AI to achieve significant cost savings and operational efficiencies:

Achieved a **33%** decrease in expenditure on public cloud services through efficient scaling and resizing of workloads
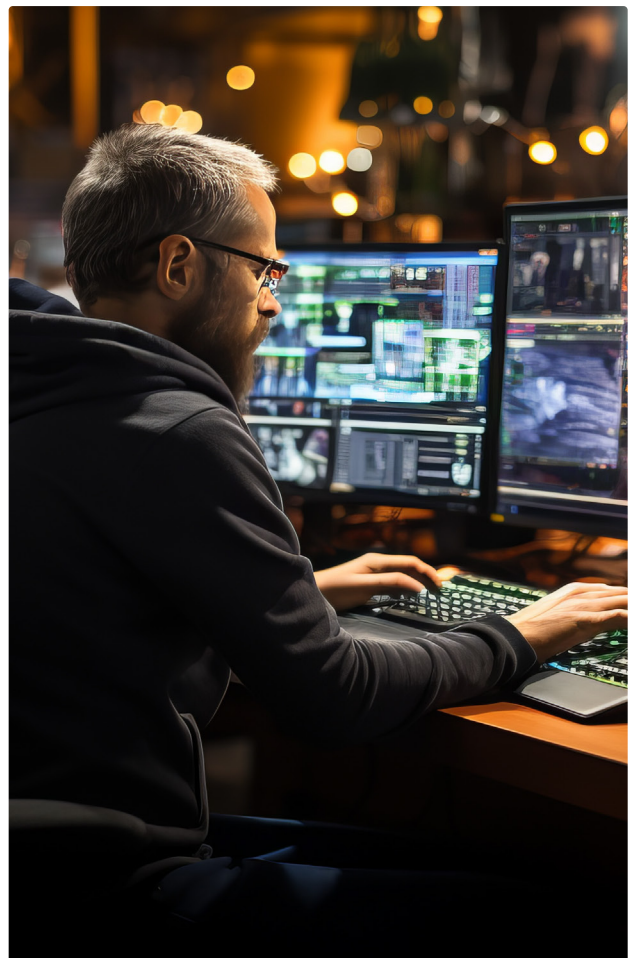
Enhanced infrastructure utilization, resulting in a **75%** reduction in annual refresh expenses

Through insightful analysis of application demand, minimized the necessity for infrastructure expansion spending by **70%**

Key features of IBM Turbonomic

IBM Turbonomic optimizes performance and costs across public, private and hybrid cloud environments. It also enables self-management of your cloud-native deployments. Here are the key features of the IBM Turbonomic platform's Application Resource Management:

- **Full-stack visualization:** The platform uses a patented top-down approach, seamlessly connecting vital applications to underlying resources across the entire infrastructure, ensuring comprehensive visibility and control over compute, storage and network resources in the cloud or on-premises.

- **Intelligent automation:** This feature offers reliable automated actions, empowering organizations with speed, elasticity and cost savings. By proactively managing resources, the platform minimizes performance risks, cuts cloud waste and boosts efficiency.

- **AI-powered insights:** AI-driven ARM solutions provide actionable insights for IT automation. Real-time scorecards on customizable dashboards allow detailed monitoring and informed decision-making, ensuring preventive, pre-emptive and precise environment optimization.

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HCLTech approach to ARM lifecycle

Our approach is to use IBM Turbonomic AI-powered ARM, which optimizes performance, compliance and customer cost in real-time. The approach to the ARM lifecycle involves planning, analyzing, adopting and scaling.

PLAN
Assessment: The ARM journey begins with a thorough evaluation. HCLTech sets up the necessary software infrastructure, deploys configurations and integrates target components to establish a cohesive view of the environment, ensuring seamless interconnection of all elements.

ANALYZE
Foundation: This phase establishes a strong foundation for ARM. HCLTech prioritizes resource optimization through workload placement automation and efficiently addresses capacity planning to align resources with organizational demands.

ADOPT
Design and build: HCLTech empowers advanced workload management with superclusters, license control and VDI features, boosting scalability, efficiency and control.
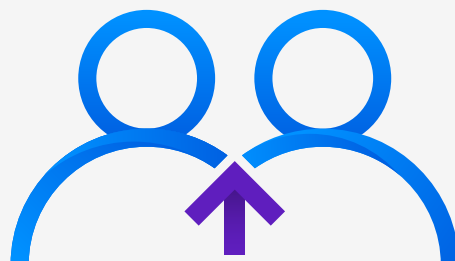
SCALE
Operations: We optimize operations by focusing on high-value use cases, scaling applications strategically and integrating CI/CD, ITSM and CC for streamlined workflows and meeting SLOs.

Connecting with customers on the ARM journey

- Assess and advise
- Re-imagine and re-engineer
- Reporting and insight

Benefits for customers

HCLTech leverages AI-powered Turbonomic ARM solutions to help customers achieve unparalleled efficiency, performance optimization and strategic resource management in their IT environments. Here are the benefits of ARM solutions:

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Better customer experience: The ARM platform ensures enhanced customer experiences through optimized IT infrastructure, resulting in smoother interactions and improved service delivery.

Faster time-to-market: It accelerates time-to-market by streamlining resource allocation, automating processes and minimizing bottlenecks, fostering agility and quicker deployment of IT initiatives.

Better application response times: Optimized resource utilization leads to improved application response times, enhancing user satisfaction and productivity through swift and reliable performance.

Improved operational efficiency: Automated decision-making and proactive performance management reduce resolution time, minimize downtime, optimize resource usage and empower IT teams for increased productivity.

Pioneering real-time automation: ARM solutions incorporate real-time automation, eliminating manual intervention by automating critical actions and proactively optimizing performance by efficiently allocating compute, storage and network resources across diverse technology stacks.

Cost-effective resource management: Optimizing resource allocation not only cuts costs by avoiding over-provisioning but also boosts ROI by ensuring that your cloud expenses align precisely with your business needs.

Use cases

- Improve application performance: Dynamic resourcing powered by real-time analytics keeps your applications thriving, no matter the demand.

- Accelerate cloud strategies: Fast-track cloud adoption with on-demand resource allocation, achieving faster time to market and optimizing costs based on real-time usage.

- Modernize and consolidate data center projects: Streamline data center refresh with automated resource management, enhancing application performance and fostering collaboration across IT teams with unified real-time observability.

- Speed-up cloud-native initiatives: Embrace and optimize containers for swift application deployment. This includes real-time container planning and autonomous adjustments or integration with client workflows like CI/CD.

Why choose HCLTech ARM?

HCLTech's strategic alliance with IBM, valued at over 3 billion USD, underscores its position as a Platinum Partner to IBM. This collaboration has empowered HCLTech to establish a dedicated Cloud Native Lab, catering to Fortune 500 clients primarily in the BFSI and TELCO sectors. With 20,000+ certified resources and a clientele exceeding 200 trusted companies, HCLTech's 360-degree partnership with IBM is poised to deliver unparalleled solutions.

For more information: https://www.hcltech.com/

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