

# Moab Adaptive Computing Suite™

## Overview

Moab Adaptive Computing Suite™ is an intelligent cloud manager that automates the decisions and process of provisioning, chargeback, reporting and managing of diverse resources to match incoming workloads and changing conditions. It creates dynamic data centres and clouds with optimized capacity, quality of service, IT efficiency, and reduced costs.

## Addressing Today's IT Challenges

Cloud computing and data centre automation offers IT management and their organizations a tremendous opportunity to solve critical challenges in the data centre to better serve the business. IT services support so many business processes and opportunities that IT departments can't deliver IT services quick enough to meet business demand using current manual request and delivery processes. This escalating demand for IT services has also led to spiraling capital costs that must be reduced, and sprawled, siloed physical and virtual resources that are underutilised. All of this complexity also means inefficient manual and siloed management to keep the IT services running which overburdens IT staff and budgets.

Moab Adaptive Computing Suite enables you to create a dynamic cloud or automated data centre environment that is agile to respond quicker to business requests and has dramatically higher resource utilisation to reduce costs. It intelligently automates IT processes across the service lifecycle to reduce time, cost, and errors while improving service performance and IT staff scalability. With the Moab Adaptive Computing Suite you can transform your existing data centre into more of a service provider with on-demand service requests and resources that can better scale, adapt and be re-purposed to meet services demand and changing conditions at a reduced cost.

***Moab Adaptive Computing Suite unifies and analyzes real-time information on resources, workloads, service-levels, and users. It uses this rich context and integration with existing management tools for intelligent service automation that creates self-optimizing data centres and clouds.***

## Key Benefits

With the Moab Adaptive Computing Suite, you can transform your existing heterogeneous physical and virtual resources into a shared pool of resources that delivers improved capacity and faster time to value in meeting business needs with reduced cost and management complexity. You can also leverage your existing resource and system management technologies as you create an agile, automated and adaptive data centre or cloud environment to achieve benefits including:

- ▶ Decrease the delivery time for new services for the business, from months to minutes
- ▶ Automate chargeback or showback for the costs of services to users and groups
- ▶ Optimize cloud performance and plan for future capacity needs with reporting on resource utilisation and status
- ▶ Ensure services are allocated the optimal set of resources to avoid failures
- ▶ Reduce operating expenses by automating repetitive manual IT processes required to provision and adjust resources
- ▶ Reduce spiraling capital expenses by maximizing utilisation and capacity out of existing heterogeneous physical and virtual resources
- ▶ Reduce data centre energy and consumption costs with automated power management policies
- ▶ Ensure services are available and responsive across the service lifecycle with dynamic policies that adapt resources to meet changing needs and conditions

## Key Capabilities

Moab Adaptive Computing Suite provides innovative intelligence and automation policies with integrated management across diverse environments and tools. This enables the dynamic creation, optimization, management and decommissioning of IT services and resources according to the needs of the business. Moab Adaptive Computing Suite offers the following capabilities to intelligently automate across the full lifecycle of data centre and cloud services and resources:

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- ▶ Self-service requests for services via an easy-to-use portal to speed request and delivery while reducing IT staff burden and costs
- ▶ Intelligent matching and reservation of diverse, fine-grained resources to ensure service success and maximize utilisation
- ▶ Automatically initiate provisioning and de-provisioning to quickly deliver and repurpose physical and virtual resources in minutes
- ▶ Chargeback or showback for service and resource usage by user and group, including flexible rates and charging models
- ▶ Reporting and management via customizable administration dashboard to guide capacity planning, address issues, and optimize performance
- ▶ Automatically initiate live workload migrations to meet service performance needs and maximize utilisation with VM migration policies

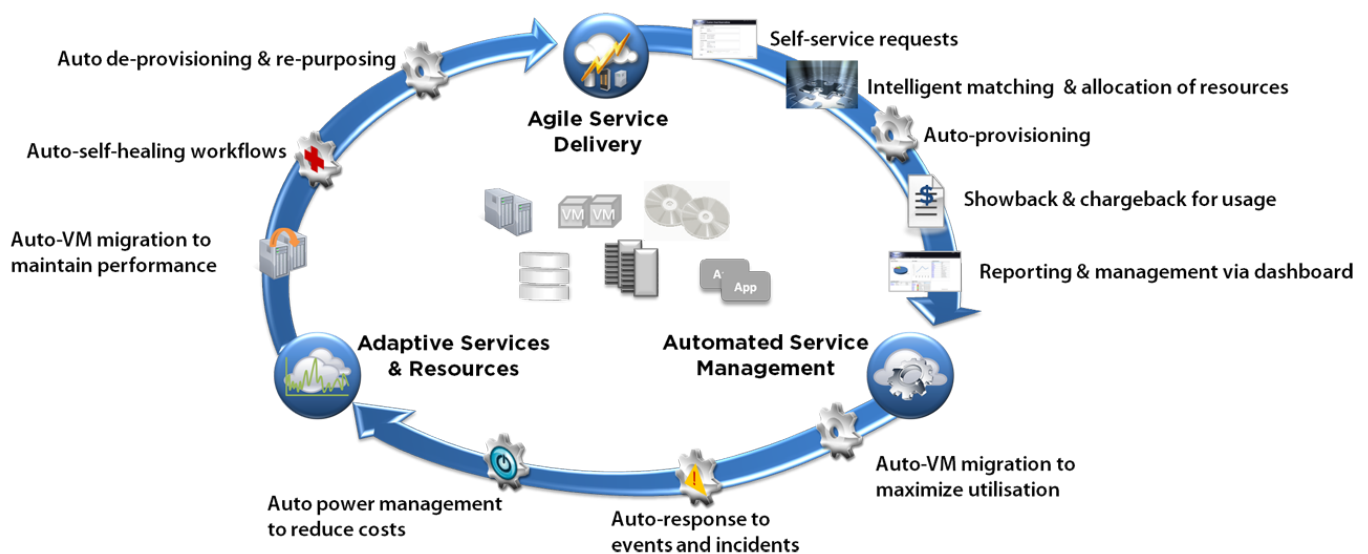
- ▶ Automatically enforce service-levels and SLAs for services via SLA & resource sharing policies
- ▶ Automatic self-healing and incident response

## Leverage Proven Expertise

Adaptive Computing has over a decade of expertise across high performance computing, data centre and cloud solutions, with our solutions managing the world's largest, most security-sensitive and scale-intensive computing environments. Moab Adaptive Computing Suite is backed by our experienced professional services and technical support services teams to ensure a timely and successful deployment for your data centre or cloud environment.

For more information on Moab Adaptive Computing Suite or to request a solution demonstration, contact us today or visit [www.adaptivecomputing.com/moab-adaptive-computing-suite](http://www.adaptivecomputing.com/moab-adaptive-computing-suite).

### Intelligent Service Automation Across the Service Lifecycle as Your Cloud and Data Centre Evolve



## Let's Talk . . . Set Up a Demonstration . . . and Test in Your Environment

- ▶ An Adaptive Computing solutions advisor can guide you to the products and services that will best meet your needs, and will work with you to set up a live, online interactive demonstration designed specifically for your organization.
- ▶ Contact a solutions advisor by phone or email, or visit our Web site today—

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