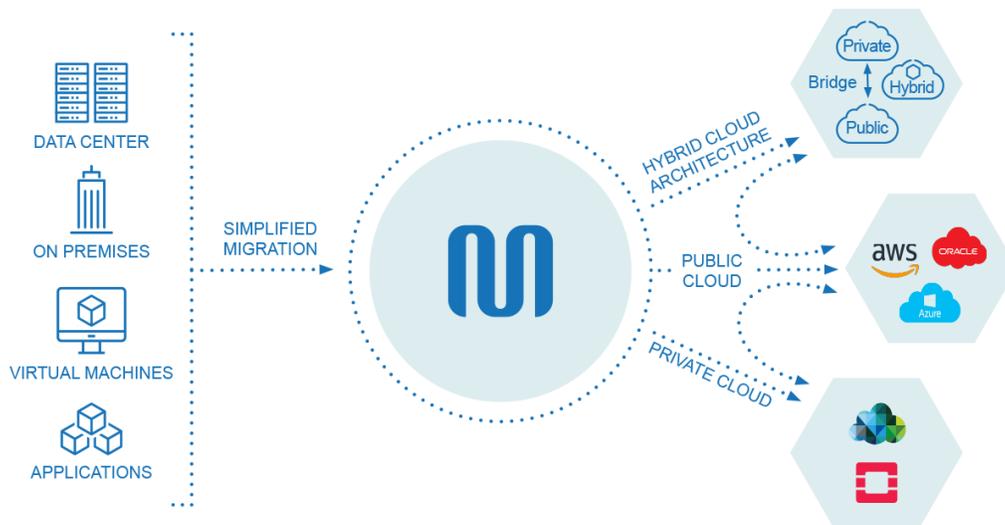


## SOLUTION BRIEF

Matilda Cloud Solutions simplify migration of your applications to a public or private cloud, then monitor and control the environment for ongoing IT operations. Our solution empowers businesses to reduce cloud migration time and expense, accelerate application delivery to launch new products, and drive digital evolution. Through the use of our software solution, you can easily migrate applications to the cloud, optimize ongoing cloud costs, and automate your software release pipeline.



Matilda Cloud Solutions deliver a framework that enables application migrations to happen in hours vs. days. Our solution provides the ability to create workflows that enable rapid, repeatable, and consistent application deployment. We begin with a discovery process that analyzes the application environment, allows adjustment of the required resources, provides cost details for the target cloud environment and then executes the deployment.

Our software solution supports DevOps initiatives using release automation and orchestration features that allow integration with existing CI/CD tools and accelerate the movement from dev to test, to staging, and then production. We can work with the CI/CD tools you may already have, such as Git, Jenkins®, Jira®, and ServiceNow®, and easily integrate others using our API. Matilda Cloud Solutions also mitigates risk by controlling software and security vulnerabilities that can occur when hosting applications in a public cloud.

We support digital evolution using microservices and containers, whether you are migrating monolithic applications into a hosted cloud environment or housing them in containers. Our solution also supports application services such as web servers and database servers in addition to microservices that are built into containers. Our container management features provide intelligent scaling, load balancing, and high availability, along with maintenance and version tracking for each container.

Other solutions stop at the infrastructure layer, or only provide for one or two areas of specialization. Matilda Cloud Solutions provide an enterprise-grade end-to-end cloud management solution.

## Customer Challenges

When considering the migration of your applications to a cloud—whether it be private, public, or hybrid—many challenges must be resolved. The sheer volume of the initial migration scope can be overwhelming if you do not have the correct tools to assist your operations and development teams in navigating the process. Additionally, you will need to mitigate image security concerns and maintain a governance process for updates.

When you are operating in a cloud model, ongoing considerations will arise regarding resource management, such as OS image and application updates and redeployments, not to mention the potential sprawl of cloud usage that drives up expenses. You also must prepare the team with the skills required to manage the new environments, and be able to apply best practices that may differ from the traditional methods to which the team is accustomed. Matilda Cloud Solutions can help you in this journey.

## SOLUTION BENEFITS

Businesses can simplify their migration to cloud environments, as well as achieve a time-to-market advantage with the ability to deploy applications faster. Improved release management capabilities and integrations, along with workflow-driven controls, can produce a higher quality software product. New innovation and quick turnaround produce profit and advantages over the competition.

Some of the key features from the Matilda Cloud Solutions include:

### APPLICATION MIGRATION

- Quick deployment of complete environment – create virtual resources in minutes
- Cloud-agnostic – interface with all major public, private, and hybrid cloud providers
- Seamless deployment – discover and move virtual infrastructure and application resources between VMs and clouds
- Future-proof applications by migrating to containers

### OPERATIONAL MANAGEMENT

- Cost analysis – generate reports at the application level and optimize cloud expenses
- Accelerated developer productivity – provide catalog choices that reduce training needs
- Automated release management – ensure consistency when moving between environments
- Common CI/CD tools integration

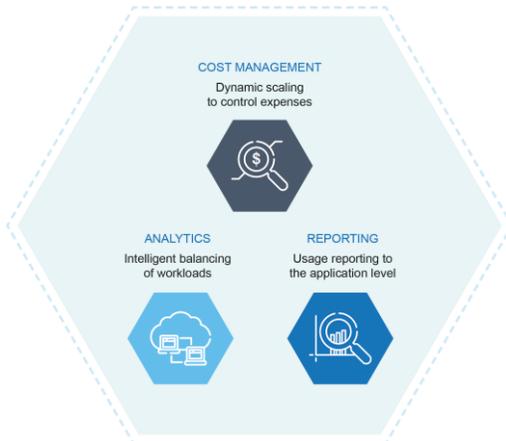
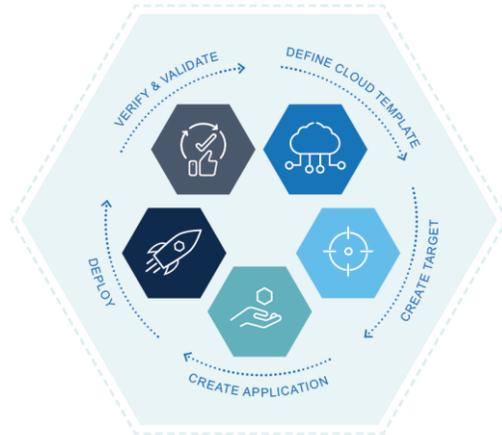
### SECURITY AND GOVERNANCE

- Security policy enforcement – seamless integration with security policy processes
- Automatically generate security keys – enforce deployment to new images
- IT policy support – create standardized environments for development using self-service catalogs
- Patch and upgrade with little to no downtime

## Use Cases

### **Simplify Migration**

Consider the time required to move an application from an on-premises deployment into a cloud-based environment. We provide an application migration platform to move physical or virtual hosted environments to the cloud using templates suited to each provider. These templates can be re-used and updated as needed to make the process highly repeatable between the dev, test, and production environments, promoting more rapid delivery. Once migrated, lifecycle management of the cloud environment uses workflow-driven catalogs to request deployment of servers, storage, network, services, and applications. This process reduces the time required to stand up new environments.

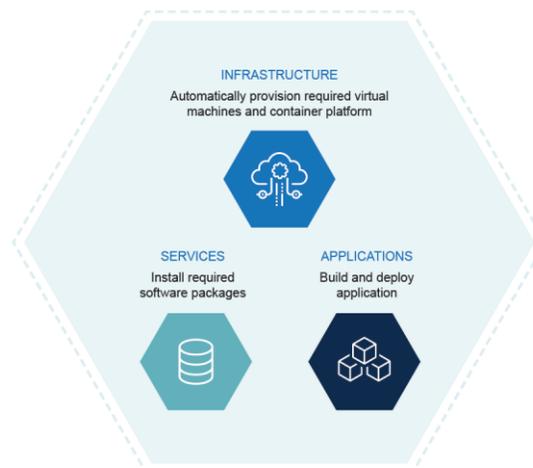


### **Manage Cloud Costs**

Consider the sprawl created from the use of VMs when they were first introduced—the cloud version of the same sprawl is now occurring. Our solutions manage this sprawl by helping with cost analysis and reporting, providing the ability to optimize cloud expenses. We enable you to evaluate and compare the cost of cloud providers, and intelligently rebalance workloads. Dynamic scaling capabilities also allow flexibility to expand or reduce resources as demand occurs. Through the use of a standardized environment and tools, and workflow-driven catalogs, you can reduce training costs since fewer members of the team will need in-depth knowledge of the environment.

### **Facilitate DevOps**

Consider the many areas where development and operations intersect. An essential feature of our solution is the ability to ensure IT policies are followed by managing the options provided to the development teams, as well as automating the release management cycle for quicker testing and deployment. You can ensure governance of the environment using our service catalog-based workflows, which control the choices being offered to the teams. We support CI/CD automation activities via built-in integration with code repositories. And if you are moving to container-based development, we enable intelligent scaling, load balancing, and high availability.



## PRODUCT FEATURES

**Cloud Management** – Set up virtual infrastructure across cloud providers, including on-premises, public, and private clouds.



Matilda Cloud Solutions provide abstraction that takes away the need to know the underlying details of the cloud providers and container cluster set up and management. Using workflow-driven self-service catalogs, you can set up IT governance and corporate policy-driven boundaries within which the development teams work. This also reduces, if not eliminates, the use of non-standard tools and versions that may cause failures during the release process.

- Provides end-to-end infrastructure orchestration and management services
- Scales environment from one cloud to another through cloud bursting
- Provides resilient environment with automated recovery
- Migrates applications between cloud providers

**Application and Service Management** – Install, configure, and manage applications on virtual machines or Kubernetes clusters.



Matilda Cloud Solutions offer a platform that enables a seamless launch of services / applications on Windows and Linux operating systems. A governed workflow manages the options and drives the approval process. You also may dynamically allocate resources for efficiency and cost optimization.

- Discovers the resources that are running in the source environment and recommends target settings
- Deploys full application stack automatically
- Allows for incremental / rolling updates for the full stack
- Provides resilient environment using dynamic scaling and load balancing
- Offers proactive monitoring of the deployed environment

**Container Management** – Provision and configure Kubernetes or Docker Swarm managed containers.



Matilda Cloud Solutions deliver a platform that supports legacy application modernization. The use of containers when creating or refactoring your applications will enable easy portability for any application when moving from dev to test, to staging, and then production, across multiple cloud providers.

- Provides container, operating system, and services lifecycle workflow to automate requests
- Sets up and manages the container platform using Kubernetes or Docker Swarm
- Provides maintenance and tracking for each container via version control and traceability

**Cost Management** – Generate reports to understand cloud usage and associated costs, and optimize with intelligent rebalancing of workloads.



Matilda Cloud Solutions feature a service catalog, which helps control choices for the sizing and location of where your application environments are hosted. Additionally, chargebacks / showbacks are made easier with our cost management features, which collect information at the application level and make recommendations based on your actual usage.

- Uses analytics to understand cloud usage and cost, and dynamically rebalances workloads across cloud providers
- Supports expense reduction through dynamic scaling, using high and low threshold settings for resource consumption
- Provides a common CMDB to track all requests so that resource use can be collected and reported to the business for expense management and capacity planning
- Reduces the cost of extensive tool training by providing choices to the development teams through self-service catalogs and reducing the need for extended training sessions

**Operations Management** – Support DevOps lifecycle management. Monitor assets and optimize the environment by identifying underutilized or overloaded resources.



Matilda Cloud Solutions can help free up developers' time so they are not waiting days or weeks for a new environment to be spun up. The workflow-driven GUI will capture the details needed for the deployment, reducing the back and forth that may have previously occurred with an email-based approach. Our API-friendly platform offers easy integration with CI/CD tools. This approach allows our solution to work within existing environments, enabling you to get the most from your software and training investments.

- Monitors the environment to understand capacity demands and be aware of potential service issues
- Collects and correlates logs to identify and troubleshoot issues
- Easily navigates the environment's assets with our dynamic topology
- Proactively act on degradations and outages through advance alerts and notifications
- Provides release automation using a workflow that integrates with existing CI/CD tools

**Contact us for more information**  
**972.525.2300 | 855.234.6MCS**  
**Sales@matildacloud.com**  
**matildacloud.com**