

EMA Vendor to Watch: Nirmata

Value Proposition

Nirmata provides container management in a highly scalable, always-on cloud service that fully automates the delivery and management of cloud applications. Nirmata is delivered as a cloud native microservices-style application for scale and resiliency. It operates across multiple clouds including Azure, AWS, Digital Ocean, VMware vCloud Air, and Cisco Intercloud Services. Private clouds are also supported with deep integration for VMware vSphere, OpenStack, and bare metal deployment. Nirmata includes a catalog of pre-created application blueprints, or users can create their own blueprints. An application blueprint contains all of the information needed to deploy the application, including gateway routes, affinity rules, and scaling rules. Affinity rules control how services are grouped across hosts. Scaling rules manage the number of desired service instances. Nirmata provides visibility into the container including state, CPU, and memory utilization, and collects statistics on the container for analysis. There is also real-time streaming of the container logs and alerts for critical conditions.

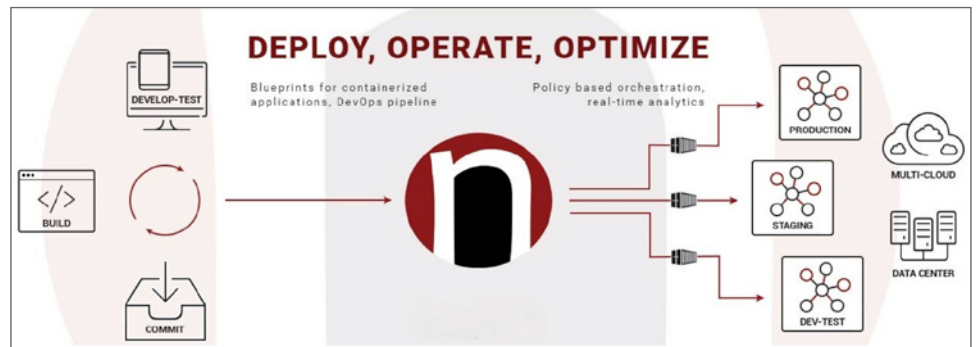
Nirmata makes it easy to scale up or scale down services as needed. It dynamically provisions resources as the application scales and optimizes the use of expensive cloud resources by shutting down unused capacity. Application alerts are monitored and application uptime is increased with auto-recovery features.

Designed with DevOps teams in mind, Nirmata seamlessly integrates into continuous integration/continuous deployment and cloud native efforts. With role-based access control, there is a clear separation of duties between application, infrastructure, and operations teams. Visibility and tracking of user and application activity is provided by detailed audit trails. Nirmata provides built-in service discovery so services can find each other no matter where they are deployed.

EMA Perspective

Digital transformation is driving businesses to develop and deploy applications faster, and with greater flexibility and scalability. EMA believes that microservices are the go-to architecture for cloud native applications. Nirmata provides an integrated microservices infrastructure. It could be thought of like a container native, cloud provider agnostic PaaS that is OCI (Linux Open Container Initiative) compliant. Developers get an environment where they can focus on their application and avoid the complex operations required for cloud native applications. Operations benefit from integrated monitoring and logging for quick troubleshooting without having to learn and move between multiple tools.

Nirmata integrates natively with several key public cloud provider constructs. This provides deep control on how infrastructure is configured while presenting a uniform interface for deploying and managing applications on any cloud. Nirmata empowers enterprises to easily deliver and manage containerized applications by lowering the learning curve for DevOps teams and eliminating cloud provider lock-in.



About Vendor to Watch: EMA Vendors to Watch are companies that deliver unique customer value by solving problems that had previously gone unaddressed or provide value in innovative ways. The designation rewards vendors that dare to go off the beaten path and have defined their own market niches.

About EMA: Founded in 1996, Enterprise Management Associates (EMA) is a leading industry analyst firm that provides deep insight across the full spectrum of IT and data management technologies. EMA analysts leverage a unique combination of practical experience, insight into industry best practices, and in-depth knowledge of current and planned vendor solutions to help EMA's clients achieve their goals. Learn more about EMA research, analysis, and consulting services for enterprise IT professionals and IT vendors at www.enterprisemanagement.com or blogs.enterprisemanagement.com. You can also follow EMA on [Twitter](https://twitter.com/EMA), [Facebook](https://facebook.com/EMA) or [LinkedIn](https://linkedin.com/company/ema).