

EMA Vendor to Watch: NetYCE

NetYCE: Key Value Proposition

Few will argue with the value that good network change and configuration management (NCCM) tools, along with related workflows and processes that **should** be in place, can bring for reducing errors and improving network efficiency and resilience. But even within organizations that have deployed NCCM platforms in production, networking pros use them primarily for reactive administrative automation. The results are real and ongoing risks that operational integrity will be compromised by configuration drift or simply by unanticipated impacts of manual changes made to production devices.

NetYCE offers a new approach to NCCM that fills this gap – one that moves beyond network configuration management and into network configuration enforcement. Originally created as an alternative or overlay to existing NCCM tools for enterprise settings, NetYCE has recently extended and optimized its solutions for managed service provider settings as well.

Using an approach referred to as “Design Driven Networking,” the NetYCE solution puts network engineers in full control by automatically creating configurations based on engineers’ own designs, and then applying further automation to distribute templates and provision network devices. NetYCE designed its netYCE platform as open and modular, supporting a broad range of configuration protocols and engines. The solution enforces configuration compliance in a way that makes it a core part of required workflows, eliminating the opportunity to make changes outside of approved designs. The solution also includes fully integrated IP address management along with open APIs for integrating with external DNS, DHCP, IPAM, element management, multi-vendor NCCM, and BSS/OSS products and platforms. The NetYCE design provides multiple touch points that allow configuration data to flow back and forth, keeping the system accurate and current, as well as creating better visibility into the state of the network, the changes that have occurred, and the overall level of design compliance.

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EMA Perspective

Today, too many network management tasks and activities remain predominantly reactive. The increasingly dynamic nature of operating environments, driven by the move towards software-defined, programmatic architectures, makes the shift to proactive practices more imperative than ever. NetYCE’s solution represents a next generation approach to the challenge of automating and enforcing network configuration policy. Further, based on its flexible design, the netYCE platform can act as a common layer to support and smooth transitions from traditional to hybrid to full SDN architectures. Coupled with a steadily expanding set of valuable features and capabilities, netYCE is gaining traction and market maturity through a growing number of communications provider and enterprise deployments. EMA believes that network teams embracing the NetYCE approach could have real hope for eliminating the vast majority of risks that manual network configuration practices present to operational integrity, while also putting them in position to successfully make the transition to the programmable networks of the future.

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 its clients achieve their goals. Learn more about EMA research, analysis, and consulting services for enterprise line of business users, IT professionals and IT vendors at www.enterprisemanagement.com or blogs.enterprisemanagement.com. You can also follow EMA on [Twitter](#) or [Facebook](#).

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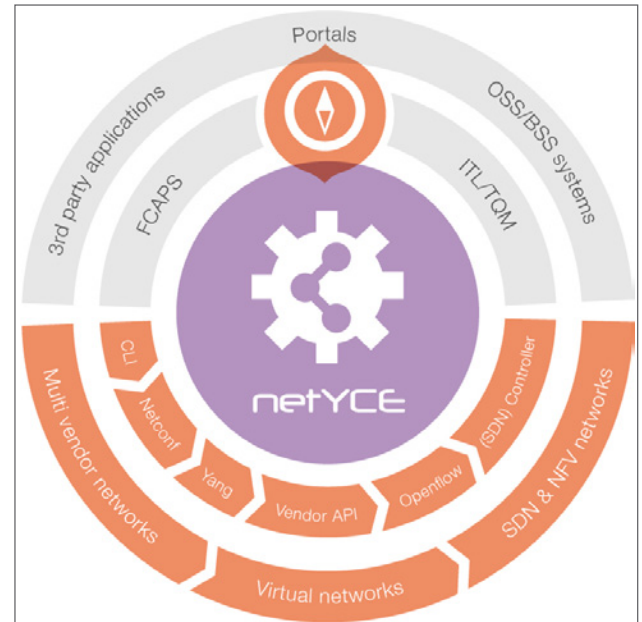


Figure 1: Core netYCE Platform