

commercializing NFV: vCPE as a first step

in brief



Your Network's Edge



Amdocs and **RAD** have joined forces to assist service providers in addressing the challenges and opportunities of deploying virtual customer premise equipment (vCPE) for enterprise customers.

NFV transformation – the reality

The communications industry is undergoing a transition from traditional static networks to the open, software-controlled and dynamic networks of the future. Service providers leading the change expect networks to be predominately virtual in five years' time. Others believe that the process may take a decade. Either way, the reality for some years at least is the hybrid network – a combination of physical, logical and virtual resources. This, however, requires the maintenance of existing processes and tools around the physical network while gradually evolving to a virtual network.

amdocs and RAD's solution for vCPE

By combining RAD's flexible, service-assured vCPE portfolio and Amdocs' award-winning approach to NFV service lifecycle management, Amdocs and RAD have designed a joint vCPE solution that meets the challenges of the hybrid (physical and virtual) network environment. This powerful combination enables service providers to orchestrate and manage the NFV service lifecycle from virtual network function (VNF) onboarding and service design through order-to-cash to operations.

Amdocs' Holistic Approach to NFV Service Lifecycle Management

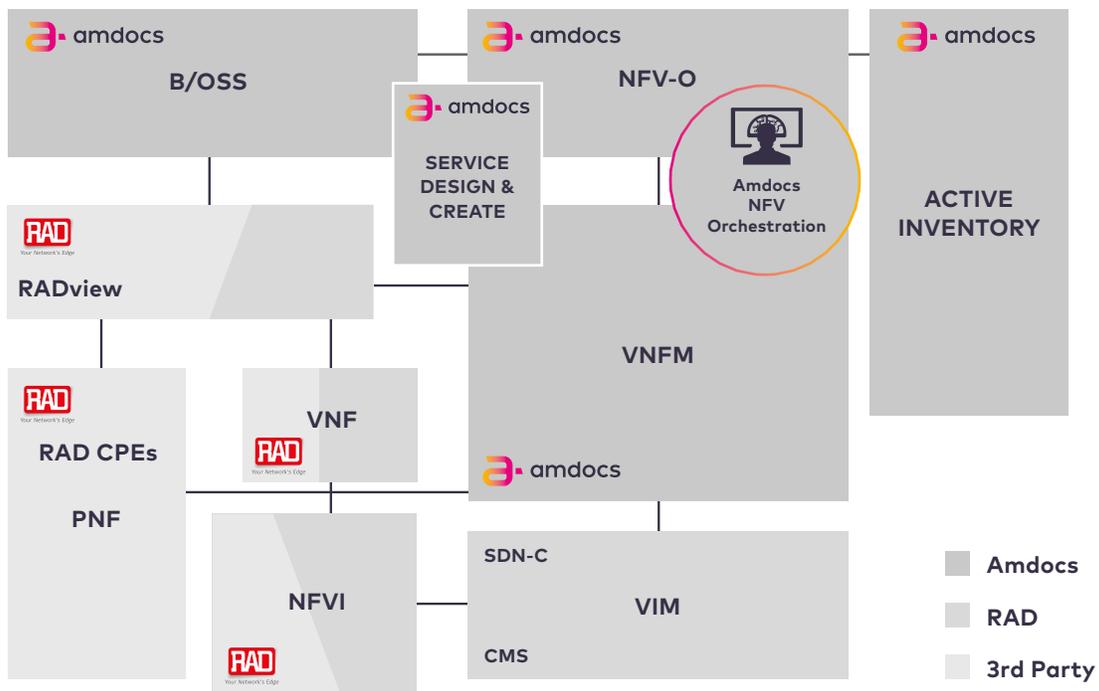


Figure 1. Amdocs and RAD's pre-integrated, end-to-end vCPE solution

customer value

The Amdocs-RAD solution is pre-integrated, automated and programmable to cut costs, deliver service agility and de-risk innovation.

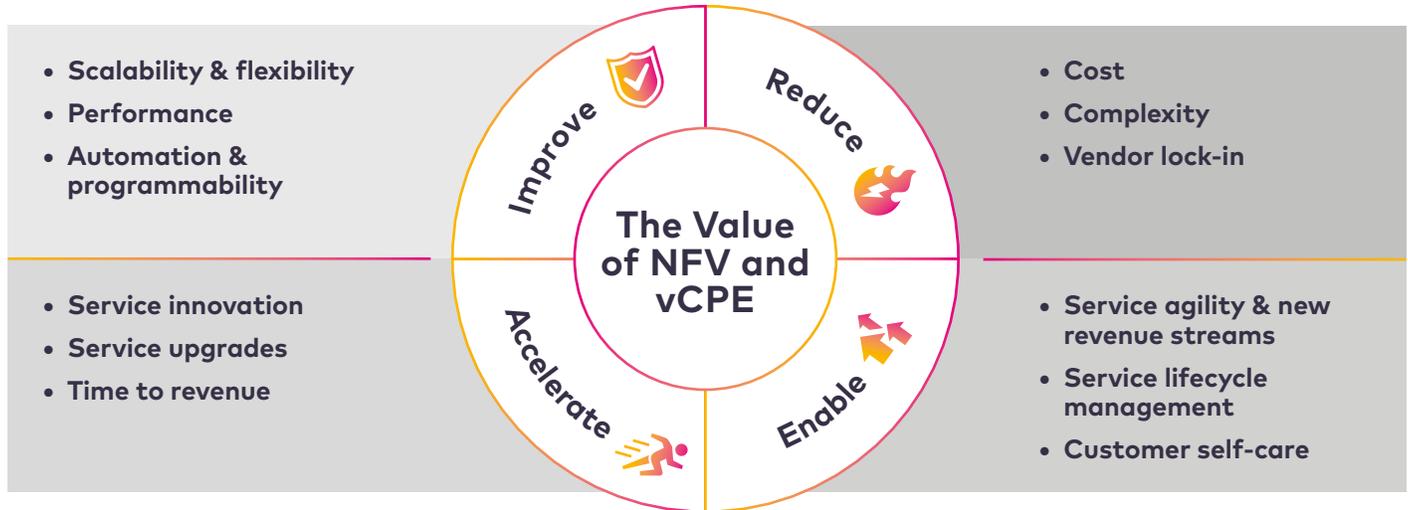


Figure 2. Value of the Amdocs-RAD vCPE solution

This fully integrated solution:

- Reduces the cost and risk of virtualization
- Provides zero-touch deployment through automated and programmable NFV orchestration
- Fits any vCPE deployment scenario, and reaches any business customer location with a universal service offering
- Delivers high performance and efficiency – more services with less compute capacity
- Offers a foundation for customer self-service to enhance the customer experience

- Design, test and create a new vCPE service **in weeks, not months**
- Deploy a vCPE-based service **in seconds**
- **Cut OPEX** through reduced truck rolls
- **Faster TTM and TTR** through pre-integrated, tested solution

summary: the amdocs-RAD partnership

This solution brings together two industry-leading pioneers, each offering best-in-class NFV solutions and services. Together, we present service providers with the following advantages:

- A "one stop shop" for a complete vCPE solution, from the data center to the customer edge, and from VNF onboarding and service design through order-to-cash and operations
- A complete range of vCPEs to best fit the different types of customer edge requirements
- A common commitment to standards
- Extensive experience and expertise in software and services
- An open, vendor-neutral approach – any VNF, any network
- A focus on efficient NFV operations and service agility

about amdocs

Amdocs is a leading software & services provider to the world's most successful communications and media companies. As our customers reinvent themselves, we enable their digital and network transformation through innovative solutions, delivery expertise and intelligent operations.

Amdocs and its 25,000 employees serve customers in over 85 countries. Listed on the NASDAQ Global Select Market, Amdocs had revenue of \$3.7 billion in fiscal 2016.

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about RAD

RAD is a global telecom access solutions and products vendor. Since 1981, RAD has pioneered innovative technologies that are designed to boost performance and improve the way service providers compete. For mobile, business and wholesale service providers, RAD offers award-winning Service Assured Access solutions, delivering better QoE, service agility and complete visibility of network performance to reduce churn, minimize time to revenue and enable greater operational efficiency. Having run Distributed NFV (D-NFV) proof of concept (PoC) testing with major carriers since mid-2013, RAD has become the industry leader in virtualization at the customer edge, allowing fast provisioning of value added offerings and low risk, cost effective migration to programmable networks. RAD has an installed base of more than 15 million units, and works closely with Tier 1 operators and service providers around the globe. RAD is a member of the \$1.25 billion RAD Group, a world leader in communications solutions.

For more information visit RAD.com

