

**RED HAT<sup>®</sup>**  
**CONSULTING**

**RED HAT SERVICES  
PROGRAM:  
NFV ADOPTION**



**redhat.**

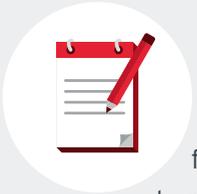
# INTRODUCTION

Network functions virtualization (NFV) promises to revolutionize the way communications service providers create and deliver both broad-market and tailored services. With a virtualized network infrastructure, providers are able to move beyond traditional, proprietary hardware-defined functions and achieve greater agility, efficiency, and operational control. However, the telecommunications industry bears the weight of over a century of history in need of modernization and virtualization against exploding demand for instantly available, access-anywhere services.





Successfully deploying an NFV infrastructure requires an approach that not only considers your full stack, but also the people and processes to deliver a scalable solution. Too often, the approach is to view your infrastructure in functional silos or to consider a solution that only addresses a subset of the requirements. Simply installing component virtual network functions (VNFs), or a foundational technology like OpenStack®, leaves you with the responsibility of integrating, scaling, and maintaining your service on your own. This is not an efficient or realistic solution. The scale is too large, the systems involved too complex, and the change required often too great to build the capability independently while maintaining your existing business.



Beyond emerging technologies, a holistic and strategic solution should introduce a transformation in approach, moving away from point-in-time solutions. Point-in-time solutions inhibit business agility by creating skills gaps and technical debt that negatively impact financial benefits. By embracing open standards and best practices, companies can truly transform their team's skills and establish a culture of collaboration and continuous, positive change, all while maintaining architectural control of their business.



**However, getting started and successfully making this change can be complex.**

# RED HAT SERVICES PROGRAM: NFV ADOPTION

The NFV Adoption program provides a phased approach that simplifies, organizes, and automates the process of introducing and operationalizing an NFV environment. This effort establishes the architectural and operational foundation to effectively deploy virtualized network functions, allowing for a strong culture of innovation.

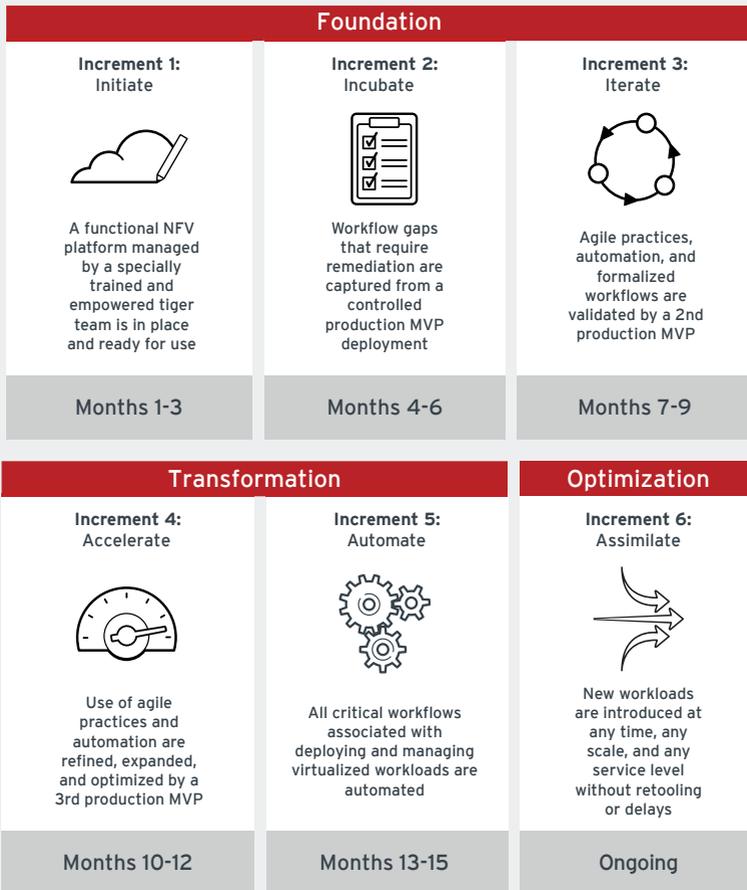


Figure 1: NFV adoption journey

During this Red Hat® Consulting engagement, customers will establish and evolve NFV capabilities across three phases:



- **Foundation.** Collaborate with subject-matter experts to provide key capabilities and initial infrastructure to a core team to successfully onboard VNFs end to end.



- **Transformation.** Establish a platform and approach to new product introduction that follows agile practices with automated workflows and customer feedback loops in place to inform prioritization.



- **Optimization.** Continuously improve and refine both business approaches and technology implementations to address challenges as they emerge in the market and create opportunity for innovation.

# THE RED HAT CONSULTING DIFFERENCE

With the help of Red Hat Consulting, customers can eliminate technical complexity associated with NFV adoption and focus on transforming their business's culture. Our approach transfers skills from day one, arming your team with best practices for maintaining, evolving, and enhancing your service delivery environment. Throughout the Red Hat services program, teams shadow Red Hat experts to learn and adapt to change. We then shadow your team to provide advice, hands-on assistance, and ready access to deep subject-matter expertise.

Working directly with Red Hat engineering and support organizations, Red Hat Consulting teams bring the most advanced skills to deliver solutions using Red Hat products and open standards. With exclusive insight into upcoming features and product roadmaps, nobody is better positioned to align teams, streamline processes, and make enterprise systems and applications work together using open source and proprietary technologies.

- **Straight from the source:** Red Hat Consulting teams communicate directly with Red Hat support and product development organizations. Many of our consultants are also active contributors to the upstream open source communities behind Red Hat technologies, so they bring unparalleled expertise.
- **Diverse technical experience:** Red Hat Consulting maintains deep expertise with open source and proprietary systems and application platforms. Our comprehensive understanding of the technology market helps us provide clients with a complete view of their environment. Our guidance is based on a holistic understanding of building enterprise systems, not just our own products.
- **Mentor-based approach:** Red Hat Consulting's approach gives clients the information and skills they need to move to Red Hat solutions in a safe and efficient manner. Red Hat believes that knowledge must be open and shared, just like source code.

# THE RED HAT CONSULTING DIFFERENCE:



**MARKET  
BEST PRACTICES**



**I.T. MODERNIZATION  
AND OPTIMIZATION**



**BEST RETURN ON INVESTMENT (ROI)  
AND ECONOMY OF INVESTMENT**



**IMPLEMENTATION  
AGILITY**



**JOURNEY  
TO CLOUD**



**DEVOPS  
METHODOLOGY**



**RISK  
MANAGEMENT**



**INTEGRATION OF  
DIFFERENT SOFTWARE**



**HIGHLY QUALIFIED  
PROFESSIONALS**



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## ABOUT RED HAT

Red Hat is the world's leading provider of open source software solutions, using a community-powered approach to provide reliable and highperforming cloud, Linux, middleware, storage, and virtualization technologies. Red Hat also offers awardwinning support, training, and consulting services. As a connective hub in a global network of enterprises, partners, and open source communities, Red Hat helps create relevant, innovative technologies that liberate resources for growth and prepare customers for the future of IT.

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