

HPE CONTAINER ADOPTION SERVICE

Drive container adoption in your enterprise

How do I know if my legacy workloads are ready to be containerized?

HPE Right Mix Advisor (RMA) core engine quickly evaluates the data about the application and provides a score. For each application, the RMA engine shows the financial and business benefit to migrate the workload and its associated path (rehost, replatform, refactor, retain, retire). Key success factors are Discover, Assess, and Plan phases. Contact your presales team to engage the technical experts.

How do I start to design a cloud-native agile development architecture?

HPE has years of expertise architecting and designing microservice workloads based on the behavior of the application. Contact your presales team to engage the technical experts.

How do I ensure I have a secure, agile delivery model?

Focusing on DevSecOps CI/CD pipeline toolchain integration HPE Pointnext Services accelerates the flexible framework personalizing customer experience, reducing infrastructure tax, and provides continuous innovation. Contact presales team to engage the technical experts.

How do I manage AI/ML best practices?

Access to advanced capabilities around security, cloud, AI/ML, Big Data solution are enhanced by our HPE product. Contact your presales team to engage the technical experts.

CONTAINERIZING WORKLOADS APPLICATIONS AND MOVING THEM FROM PREPRODUCTION TO PRODUCTION

Innovation is driving unprecedented demand for cloud-native applications and the containerization of traditional applications. Application developers are also adopting analytics, deep learning, and machine learning into their application lifecycle, leveraging containers. Market forces and competition require that you bring these innovations and capabilities to market faster than ever before. Continuous Integration/Continuous Delivery (CI/CD) best practice methodology and automation are essential to driving agility in your service delivery. In order to determine the right path forward when it comes to cloud-native applications, you need to

define your container strategy up front across your hybrid cloud. This would include determining container management platforms such as HPE Ezmeral Container Platform, Google™ Anthos GKE and GKE on-prem, Red Hat® OpenShift, VMware® Tanzu, powered by Kubernetes.

HPE Ezmeral Container Platform, powered by Kubernetes, helps your teams rapidly adapt in the age of application agility. The goals of the service are simple: faster time to application service delivery and lowering the costs and challenges of adopting the latest container strategies.

The service enables your teams to run your container platforms in either on-premises or off-premises in a truly scalable, standard, repeatable, and reliable manner using HPE IP and best practice for automated integration of your unique characteristics into your production environment.

HPE POINTNEXT SERVICES CLOUD-NATIVE COMPUTING SOLUTION VIEW

Standardized for a multi-vendor solution

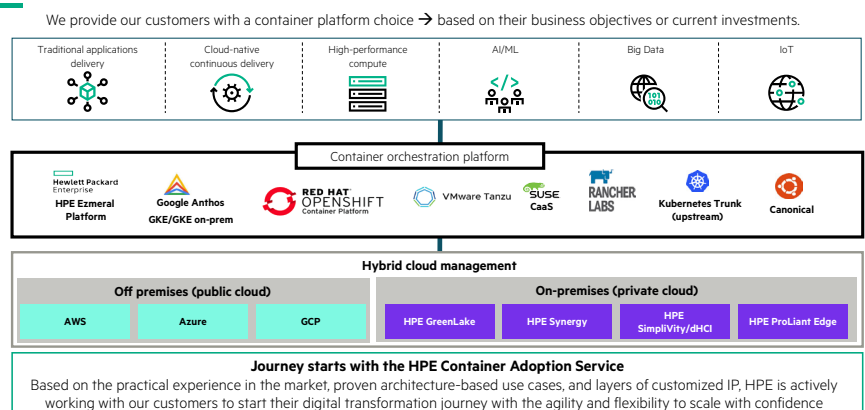


FIGURE 1. Container platform in hybrid cloud including HPE technologies for on-premises solutions

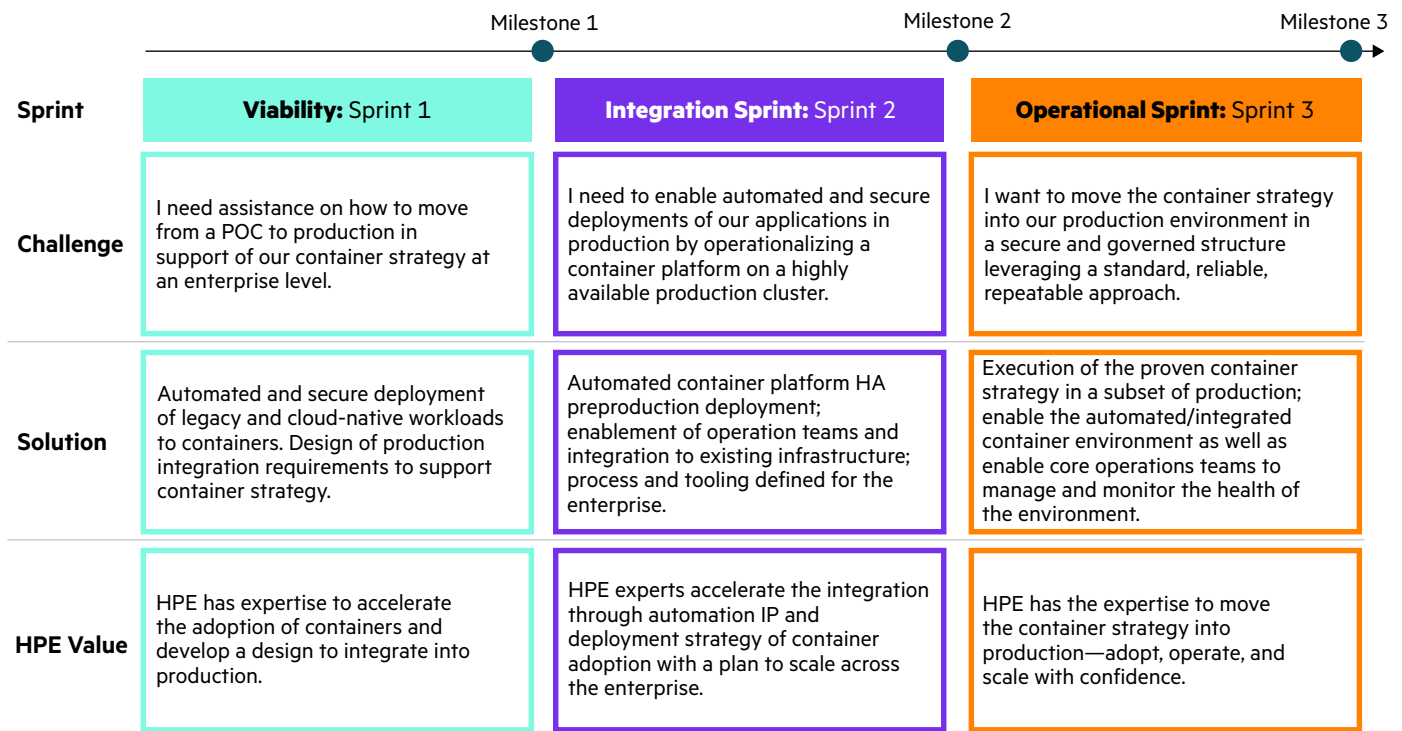


FIGURE 2. HPE Container Adoption Service

EXPERIENCE

HPE Pointnext Services has years of experience transitioning the way customers develop and operate applications workloads. Today, container platforms are being leveraged for many use cases, including traditional applications, microservices-based cloud-native development, and cloud advanced computing, such as machine learning. Containers can also be an effective method to avoid vendor lock-in and enable a hybrid cloud service delivery strategy. Working with our container management partners, we have created the right architectures, networking, storage, and automation to help you speed up innovation, leveraging our combined technologies and experience.

SERVICE APPROACH

The service is designed with three key strategic sprints aligned to your container service delivery strategy:

Each sprint builds upon each other and can be ordered individually or all at once. Note: the HPE defined criteria is required to move from Sprint 1 to Sprint 2 and to Sprint 3.

Sprint 1 is the viability sprint, focused on developer experience and containerization. This sprint helps your developers and operations teams to create capabilities that deliver your applications or workloads in containers. Sprint 1 answers questions such as:

- What systems are integrated?
- How will your team deploy microservices-based applications?
- How do we secure and scale to meet business needs?

Sprint 2 focuses on integrating containers into your existing infrastructure, coupled with a secure delivery pipeline in preproduction. This sprint includes deeper design discussions to help ensure all requirements are realized in the subsequent deployment. Preproduction tests are conducted to onboard workloads securely.

Sprint 3 brings the integrated container pipeline into a subset of your production environment, helping assure what was built in preproduction works as expected in production. Also, application owners and ITOps have the tools, visibility, and governance to start managing containers in your production environment, with confidence at scale.

ABOUT HPE POINTNEXT SERVICES

Enterprises, service providers, and governments are taking a closer look at how open source and container technologies can help cut costs, enable new revenue streams, and provide competitive advantage. HPE Pointnext Services deliver HPE experienced open cloud software technologists and consultants to help you drive innovation and achieve the benefits of cloud and open source technologies that enable you to transform your IT environment and your business.



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