



# HPE EZMERAL ACCELERATOR FOR KUBERNETES

Advisory and Professional Services from HPE Pointnext Services

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## SERVICE OVERVIEW

HPE Ezmeral Accelerator for Kubernetes includes the installation of the HPE Ezmeral Container Platform, the selection of a target application, and the containerization and migration of the target application to the HPE Ezmeral Proof of Concept (POC) environment. This service also has add-on options for DevOps and security assessments, as well as a selection of educational training courses. This service is delivered both remotely and on-site.

## SERVICE BENEFITS

- Complements the Customer IT team with globally available Advisory and Professional Services assistance from HPE Pointnext Services
- Accelerates your Kubernetes adoption
- Kick-starts your application modernization process
- Focuses your resources on the applications, not the underlying platform
- Enables your organization through customized technical education
- Lays the foundation for a factory approach for your digital transformation

## SERVICE FEATURE HIGHLIGHTS

- Application selection and migration
- DevOps assessment
- Security assessment
- Education

**TABLE 1.** Service features

Feature	Delivery specifications
<p><b>Application selection and migration</b></p>	<p>During this 4-week service, Hewlett Packard Enterprise works with the Customer toward:</p> <ul style="list-style-type: none"> <li>• <b>Application selection assessment</b> Perform a container suitability application assessment on 10 to 20 applications that you select, identify one POC candidate application, and provide guidance on suitability of other candidates</li> <li>• <b>Deployment of HPE Ezmeral Container Platform</b> Deploy the Kubernetes environment in your POC / nonproduction environment or in the public cloud, whichever is possible given the time frame of the engagement</li> <li>• <b>Deployment of target application to HPE Ezmeral Container Platform</b> Containerize the identified application and migrate to the Kubernetes POC environment; provide an understanding of HPE Ezmeral Container Platform operation best practices and guidelines</li> </ul> <p>Upon completion of the service, the Customer receives a POC deployment of the HPE Ezmeral Container Platform environment with one target application deployed.</p> <p>The following deliverables are provided to the Customer in either hard- or soft-copy depending on the Customer's requirements:</p> <ul style="list-style-type: none"> <li>• Selection of one POC candidate application and guidance on suitability of other application candidates</li> <li>• HPE Ezmeral Platform design document</li> <li>• Operational HPE Ezmeral Container Platform environment</li> <li>• Operational container deployment</li> <li>• Implementation plan/backlog</li> <li>• Architecture design</li> <li>• Automation artifacts</li> </ul>
<p><b>DevOps assessment</b></p>	<p>This 1-week service is an add-on option to the core service, during which HPE works with the Customer to assess DevOps capabilities and practices, and define a road map for improvement focused on transformation to container-based deployment model.</p> <p>Upon completion of the service, the Customer receives recommendations and a road map for improving their DevOps capability.</p> <p>The following deliverable are provided to the Customer in either hard- or soft-copy depending on the Customer's requirements:</p> <ul style="list-style-type: none"> <li>• Assessment of DevOps capability based on our DevOps Questionnaire</li> <li>• Road map for DevOps improvement</li> <li>• Executive summary of findings and recommendations</li> </ul>
<p><b>Security assessment</b></p>	<p>This 2-week service is an add-on option to the core service, during which HPE works with the Customer to assess security capabilities and practices and define a road map for improvement focused on a secure container environment.</p> <p>Upon completion of the service, the Customer receives recommendations and a road map to support future container workloads on the HPE Ezmeral Container Platform.</p> <p>The following deliverable are provided to the Customer in either hard- or soft-copy depending on the Customer's requirements:</p> <ul style="list-style-type: none"> <li>• Container security technology gap analysis</li> <li>• Container security reference architectures for HPE Ezmeral Container Platform</li> <li>• Container security recommendations and road map</li> <li>• Executive summary of recommendations and road map</li> </ul>
<p><b>Education</b></p>	<p>This 80-hours of education sessions provide customized training sessions to meet your organization's needs. The topics may include Containers 101, Kubernetes 101, Operating Kubernetes, HPE Ezmeral Container Platform, and Enterprise Container Security</p> <p>The following deliverable are provided to the Customer in either hard- or soft-copy depending on the Customer's requirements:</p> <ul style="list-style-type: none"> <li>• Education session materials</li> </ul>



## COVERAGE

This service is available on regular HPE workdays (excluding weekend days and HPE holidays) during country-specific HPE standard business hours.

## DOCUMENTATION

The HPE Ezmeral product family documentation is available at [docs.containerplatform.hpe.com/](https://docs.containerplatform.hpe.com/).

## CUSTOMER RESPONSIBILITIES

The Customer will:

- Ensure that the deployment environment configurations (either in your data center, co-location facility, or cloud instance) meet the [recommended requirements](#)
- Assign a primary stakeholder to participate in the service planning meeting and follow-on service activity
- Ensure that a primary stakeholder or designated staff person is assigned and who, on behalf of the Customer, will grant all approvals; provide information; confirm that the hardware, firmware, and software needed to deliver this service are available and make sure that software products are properly licensed; and otherwise be available to assist HPE in facilitating the delivery of this service

The designated primary contact will be:

- Responsible for all Customer aspects of the assigned work efforts
- Authorized to take all decisions relative to the project, including identification and assignment of Customer resources
- Available and able to interface with HPE assigned resources on day-to-day issues throughout the project
- Authorized to sign status reports and approve project changes
- Able to coordinate all work efforts and meeting schedules
- Responsible for all service prerequisites—including, but not limited to, those identified during service planning—and ensure they have been met prior to delivery of remote and/or on-site services development and configuration services

The designated primary contact will also:

- Provide suitable VPN or other suitable connectivity as required for the delivery of remotely delivered services
- Provide HPE with enough network access to install, configure, deploy, and monitor the solution access to all locations where the service is to be performed on-site
- Provide access to network service such as Network Time Protocol (NTP), Domain Name Systems (DNS), default gateways and routes, and any remediation, if needed
- Offer access to external systems including but not limited to: Active Directory (AD), Lightweight Directory Access Protocol (LDAP) with Transport Layer Security (TLS), Key Distribution Center (KDC), Kerberos (krb5), Domain Name Systems (DNS), NTP, administrator, end user, and existing storage systems such as Hadoop Distributed File Systems (HDFS) and Network File Systems (NFS)
- Ensure that all products associated with the tasks to be performed by HPE are ordered and available on-site prior to the start of the services
- Provide HPE the following for application workbench (including but not limited to):
  - Define and document the user stories related to the application images to be developed
  - Install application image (.bin) file manually
  - Uninstall distributions or tools not required as part of implementation
  - Create and test the application images
  - Install software on utility nodes (Docker containers) to understand the feasibility, as well as identify specific services or user interfaces that need to be exposed
  - Develop suite of tests with end-user group for testing
  - Create finalized image based on user input



- Provide HPE with the current network architecture, standards, and detailed design documentation that may include, but is not limited to:
  - Project plans and schedules
  - Network topology diagrams
  - Rack placement diagrams
  - Cable maps (device and end station cable numbers, patch panel designation and port numbers, device port numbers, and VLAN information)
  - IP address maps
  - Network environment administrative and management parameters and variables (hostname, administration, users, authorization, administrative IP address, management passwords, SNMP, NTP, DNS server addresses, DHCP, and logging)
  - Current-state information for Spanning Tree, Layer 2 protection mechanism, link aggregation, and advanced VLAN configuration
  - SSID-to-VLAN mapping
  - Security for each SSID
  - LDAP or RADIUS server to facilitate wired and wireless LAN security where required
- Make any modifications to the existing network including validation of connectivity to all end points that are required and identified during the planning stages of this service prior to HPE performing configuration and integration tasks
- Advise HPE of any special security, health, and safety matters applicable to the Customer site where the service is to be provided
- Provide to HPE, on request, any information that HPE may reasonably request about the execution of the service
- Coordinate all required internal / third-party participation and cooperation
- Assign or make available experienced subject-matter and technical experts, upon request or as needed
- Provide HPE with the necessary access to Customer building facilities and computer room facilities, as well as access credentials for logging into HPE Ezmeral Container Platform related infrastructure and services for the service planning, as required
- Purchase or provide all hardware, software, licenses, staff, current maintenance contracts, and environments necessary for HPE to deliver the service
- Be responsible for developing and applying any configurations to network equipment, cabling, notifications, and change control documentation
- Provide a suitable work and meeting area adequate for the number of on-site HPE consultants and Customer subject-matter experts assigned to the analysis, including desks, chairs, telephones, and internet / HPE network access through a VPN

## SERVICE LIMITATIONS

- HPE does not modify any configurations of any equipment that is not part of the HPE Ezmeral Container Platform solution.
- Customer acknowledges and agrees that HPE may use resources outside the country of purchase for delivery of these services.
- On-site service assistance will be provided at one physical location in the country where the service is sold. The Customer should check with their local HPE authorized representative to find out whether a specific location is eligible for this service.

## GENERAL PROVISIONS/OTHER EXCLUSIONS

- To the extent HPE processes personal data on the Customer's behalf in the course of providing services, the Data Privacy and Security Agreement Schedule—HPE Support and Professional Services found at [hpe.com/info/customer-privacy.html](https://hpe.com/info/customer-privacy.html) shall apply.
- HPE Ezmeral Accelerator for Kubernetes services are governed by HPE standard terms for professional services.
- Our ability to deliver this service is dependent upon the Customer's full and timely cooperation with HPE, as well as the accuracy and completeness of any information and data the Customer provides HPE.



## Data sheet

- Upon receipt of an acceptable order, HPE will contact the Customer within seven business days to organize a service delivery date. Service delivery dates are subject to resource availability and may be scheduled up to 30 days from the order acceptance date. Service eligibility will expire at the end of 12 months / 365 days from the date of purchase if not used. Under no circumstances shall the Customer be entitled to a credit or refund of any unused services.
- Services are either performed remotely or at the Customer's site.
- Allow HPE to connect to their network both on-site and remotely for HPE to perform the services as required.

## ORDERING INFORMATION

Availability of service features and service levels may vary according to local resources and may be restricted to eligible products and geographic locations. To obtain further information or to order HPE Ezmeral Accelerator for Kubernetes, contact a local HPE sales representative and reference the following SKU product numbers:

- HY3B2A1 and HY3B3A1—HPE Ezmeral Accelerator for Kubernetes Core Remote service
- HY3B4A1 and HY3B5A1—HPE Ezmeral Accelerator for Kubernetes Core Onsite service
- HY3B6A1—HPE Ezmeral Accelerator for Kubernetes DevOps Assessment Remote service
- HY3B7A1—HPE Ezmeral Accelerator for Kubernetes DevOps Assessment Onsite service
- HY3B8A1—HPE Ezmeral Accelerator for Kubernetes Security Remote service
- HY3B9A1—HPE Ezmeral Accelerator for Kubernetes Security Onsite service
- HY3C0A1 and HY3C1A1—HPE Ezmeral Accelerator for Kubernetes Training Remote service
- HY3C2A1 and HY3C3A1—HPE Ezmeral Accelerator for Kubernetes Training Onsite service
- HU1E8A1—HPE Ezmeral Container Platform Consulting 5-day onsite SVC
- HU1E9A1—HPE Ezmeral Container Platform Consulting 1-day onsite SVC

(The HU1E9A1—HPE Ezmeral Container Platform Consulting 1-day onsite SVC cannot be ordered stand-alone and requires purchase of HU1E8A1—HPE Container Platform Consulting 5-day onsite SVC.)

- HU1F0A1—HPE Ezmeral Container Platform Consulting 1-day remote SVC
- HU1E471—HPE Ezmeral Container Platform Custom Consulting SVC

(In order to purchase HU1E471—HPE Ezmeral Container Platform Custom Consulting SVC, HPE requires an SOW to be developed with mutually agreed scope of work and deliverables.)

## LEARN MORE AT

[hpe.com/us/en/solutions/container-platform.html](https://hpe.com/us/en/solutions/container-platform.html)

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