HCLTech

HCLTech's
Enterprise Container Platform
with AKS
powered by ePACE

Introduction

HCLTech's Enterprise Container Platform is a fully managed Azure Kubernetes Service (AKS) provisioned and managed in a highly automated, consistent and secure manner with ePACE. **ePACE** is "**extensible Platform Automation and Configuration Engine"** from HCLTech to simplify the entire life cycle of the platform with extreme automation.

HCLTech's Enterprise container platform delivers production grade Azure Kubernetes Service (AKS) environments integrated with essential building blocks including application and platform observability, security and governance, backups, DR, container registry, and cost management.

HCLTech's Enterprise Container Platform is bundled with three services to ensure seamless lifecycle management of the platform:

- Design and Build
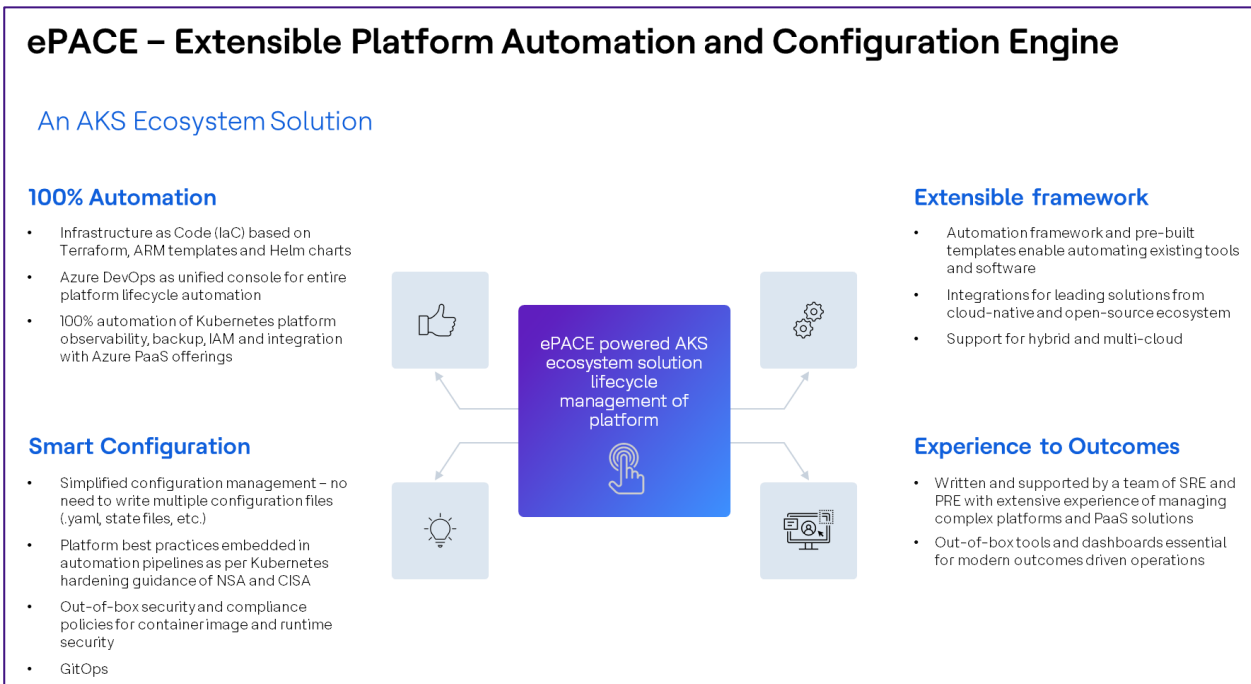- Onboard and Stabilize
- Operate and Improve

Use Cases

- **Kubernetes Platform Design & Build:** Fully automated provisioning of Azure Kubernetes Service (AKS) environments integrated with essential building blocks
- **Containerized Application onboarding:** Services to help you onboard containerized applications and stabilize enterprise container platforms.
- **Platform Operations:** Modern operations with skilled team of SREs and PREs with end-to-end ownership and accountability of container platform ecosystem

Value Proposition

Simplified lifecycle management of enterprise Kubernetes platforms.

- **No Lock-In:** Based on native Azure services and open-source solutions
- **Fast and Secure:** Up to 80% faster Kubernetes platform deployments with validated and security-hardened blueprints
- **Extensible Automation:** Quickly onboard and integrate new custom tools from cloud native ecosystem
- **Operational Efficiency:** Modern operations with skilled team of SREs and PREs

ePACE – Extensible Platform Automation and Configuration Engine

An AKS Ecosystem Solution

100% Automation

- Infrastructure as Code (IaC) based on Terraform, ARM templates and Helm charts
- Azure DevOps as unified console for entire platform lifecycle automation
- 100% automation of Kubernetes platform observability, backup, IAM and integration with Azure PaaS offerings

Smart Configuration

- Simplified configuration management – no need to write multiple configuration files (.yaml, state files, etc.)
- Platform best practices embedded in automation pipelines as per Kubernetes hardening guidance of NSA and CISA
- Out-of-box security and compliance policies for container image and runtime security
- GitOps

Extensible framework

- Automation framework and pre-built templates enable automating existing tools and software
- Integrations for leading solutions from cloud-native and open-source ecosystem
- Support for hybrid and multi-cloud

Experience to Outcomes

- Written and supported by a team of SRE and PRE with extensive experience of managing complex platforms and PaaS solutions
- Out-of-box tools and dashboards essential for modern outcomes driven operations

ePACE powered AKS ecosystem solution lifecycle management of platform

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