HCL Azure Kubernetes Service – Key Benefits

1. **Accelerated Application Development -** AKS reduces the time to debug applications and handles auto-upgrades and patching. With the help of AKS, container orchestration is simplified. A lot of time is saved and enables developers to remain more productive.

2. **Supports Agile Project Management -** Continuous Integration (CI), Continuous Deployment (CD) and DevOps.

3. **Security and Compliance -** protects business by enabling administrators to tailor access to Azure Active Directory (AD) and identity and group identities. AKS is also compliant and meets the regulatory requirements of System and Organization Controls (SOC), as well as being compliant with ISO, HIPAA and HITRUST.

4. **Ease of Application and Efficient Resource Utilization -** The fully managed Azure Kubernetes Service (AKS) makes deploying and managing containerized applications easy. Efficient resource utilization paves the way for elastic provisioning of additional capacity without the need to manage the infrastructure.

5. **Faster End-to-end Development and Integration -** helps in minimizing infrastructure maintenance, using automated upgrades, repair, monitoring and scaling. This leads to faster development and integration. It helps in provisioning additional compute capacity in Serverless Kubernetes in a matter of seconds.

6. **Run any Workload in the Cloud -** You are able to orchestrate any type of workload running in the environment of your choice. You can move .NET applications to Windows Server containers or modernize Java applications in Linux containers and also, run microservices applications in the public cloud.

7. **Removes Complexities and Reduces Expenditure -** helps in removing the complexities with regard to implementing, installing, maintaining and securing Kubernetes in Azure. There is also, a substantial reduction in expenditures as there are no per-cluster charges levied on you.

8. **Using only the Resources needed -** flexible system that adapts to use only the resources that you need. If you need more resources, then all you need to do is click a button and let the elasticity of Azure containers do the rest. This enables reduction in cost, easier scaling and faster start-up speed.

9. **Creating Fully Managed Kubernetes Clusters** - makes deploying a managed Kubernetes cluster in Azure much convenient and simple. It reduces the complications and operational overhead of managing Kubernetes as it aids in offloading much of that task to Azure. You are able to simplify the application of containerization by implementing AKS and eventually, take your software development to the next level.