	Google GKE	Amazon EKS	Microsoft AKS	IBM IKS	Notes
Year started (GA)	2014	2018	2017	2017	Google has a 3 year lead on everyone else and it shows!
Kubernetes GA Versions		1.3, 1.29, 1.28	1.28, 1.29, 1.3, 1.31, 1.32, 1.27, • Azure Policy 1.3.0, Upgrades from N-3 to a supported version, Platform (Azure) availability, Node pool scaling, VM availability, Storage, Networking related issues, Start/stop, Rotate certificates, Infrastructure SLA, Control Plane SLA, Platform (AKS) SLA, Kubernetes components (including Add-ons), Component updates, Component hotfixes, Applying bug fixes, Applying security patches, Kubernetes API support, Node pool creation, Cluster creation, Node pool snapshot, Node image upgrade	..	Those are automatically scraped from specific URL's which you can find in the corresponding comment.
Regions Supported	Worldwide	Worldwide	Worldwide	Worldwide	Microsoft is missing some regions like South America
Managed Control Plane	Yes	Yes	Yes	Yes	
Control Plane HA	Multi AZ	Multi AZ	No	Multi AZ	No control plane HA on AKS is quite bad
Cluster Create Time	3 minutes	9 mins	15 mins	15 mins	
Dynamic Admission Control	Yes	Yes	Yes	Yes	Important for features like Istio sidecar injection
Multiple Node Pools	Yes	Yes	Yes	Yes	
SLA	99.95 (regional), 99.5 (zonal)	99.95	99.95(AzureAZ), 99.9	99.99(MZRs), 99.90 (SingleZone)	
Price	10 cents per hour per master	20 cents per hour per master	Free	Free	GKE is overall cheapest
Compliance	PCI DSS, ISO, SOC, HIPAA	HIPAA, PCI, PCI DSS, ISO	PCI DSS, ISO, SOC, HIPAA	CSA, PCI, ISO, SOC, CJIS, DoD DISA, FedRAMP, FFIEC, FISMA, ITAR, FFIEC, HIPAA, HITRUST	
Kubernetes Marketplace	Yes	Yes	Yes	No	
Integrations	GCP Ecosystem	AWS Ecosystem	Azure Ecosystem	IBM Ecosystem	
Dev UX	Good	OK	Bad	OK	Any developer would choose GKE if they trialled all three
On-Premises Version	Yes (Anthos On-Prem)	Yes	Yes	No	
Managed Worker Nodes	Yes	Yes	Yes	Yes	EKS workers are setup with Cloudformation or Terraform
Worker Node HA	Multi AZ	Multi AZ	Multi AZ	Multi AZ	
Worker Node Live Migration	Yes	No	No	Yes	
Worker Node Container Runtime Support	Docker, Containerd	Docker	Docker	Containerd	
Worker Node Windows Container Support	Yes	Yes	Yes	No	
Worker Node GPU Support	Yes	Yes	Yes	Yes	
Worker Node TPU Support	Yes	No	No	No	
Maximum pods per node	110	Limited by ENI by default	110	110	Azure CNI can be increased to 110. Be careful on EKS when selecting worker instance type.
Maximum nodes per cluster	5000	1000	100	1000	Notify EKS team if going above 500 nodes so they can vertically scale control plane
New Worker Node Start time	< 2 mins	< 5 mins	< 10 mins	< 5 mins	Azure VM starts are slow
Bare metal Worker Node	Yes	Yes	No	Yes	GKE have bare metal in early access
Worker Nodes Autoscaling	Yes	Yes (not managed)	Yes (preview)	Yes	
Worker Nodes Auto-provisioning	Yes	No	No	No	
Kubernetes Upgrades	Automatic or On Demand	Automatic security, On Demand upgrades	On Demand	On Demand	On AWS you can upgrade the masters but then you need to do the workers yourself. AKS upgrades can be problematic.
Control Plane Integrated Logging	Yes	Yes	Yes	Yes	
Auto Repair	Yes	No	Yes	Yes	
Application Layer Secret Encryption	Yes	No	No	Yes	
Cross region load balancing	Yes	No	No	Yes	
Cross region networking	Globally flat network	Requires VPC Peering	Requires VPN	VRF	
Network Policy Support	Yes (Calico, Cilium)	Yes (Calico)	Yes (Calico, Azure Network Policies*)	Yes (Calico)	
Private Cluster Network Support	Yes	Yes	Yes	Yes	
Aggregated API Support	Yes	Yes	Yes	Yes	
Service Broker	Yes	Yes	Yes	Yes	
Container as a Service integration	Cloud Run	Virtual Kubelet with Fargate	Virtual Kubelet with ACI	No	AWS working on Fargate integration with EKS
Vertical Pod Autoscaler	Yes	No	Yes	No	
Workload Identity	Yes (even via AWS IAM)	Yes	Yes (in preview)	Yes	
Knative Support	Yes with CloudRun	No	Yes	Yes (Experimental)	
Services Mesh Network Integration	Yes (Istio cluster add-on) (beta)	App Mesh	No (in preview)	Yes (Istio cluster add-on)	
Services Mesh - Fully managed	Yes with ASM	No	No	Yes	
Spot/Preemptibile Worker Nodes support	Yes	Yes	Yes	No	
Monitoring Integration	Yes (Cloud Monitoring)	Yes (Container Insight)	Yes	Yes (Sysdig)	
Sandbox support? (eg: gVisor)	Yes	No	No	No	
Binary Authorization Support	Yes	No	No	Yes	
Intranode Visibility	Yes	No	No	No	
Proprietary Ingress Controller	Yes	No	Yes	Yes	
Proprietary Multi-Cluster (global) Ingress	Yes	No	No	Yes	
Ingress managed SSL Certificate	Yes	No	No	Yes	
Release Channels	Yes (stable,regular,rapid)	No	No	No	
		* Azure CNI only			

Sources:

Blog: https://kubedex.com/google-gke-vs-microsoft-aks-vs-amazon-eks/

https://resources.kuberiter.com/k8scpcchart

https://blog.hasura.io/gke-vs-aks-vs-eks-411f080640dc

https://caylent.com/kubernetes-managed-service/

https://feedback.azure.com/forums/914020-azure-kubernetes-service-aks

https://docs.microsoft.com/en-us/azure/azure-monitor/insights/container-insights-overview