Kubernetes cloud solutions

We have experience in helping clients adopt or move their systems to the cloud. Together with a deep knowledge of different cloud-based technologies, this experience makes us an ideal partner for seamless solutions.

As a cloud-agnostic solutions provider, BBD assesses each client's needs and defines a roadmap that suits individual systems. We do not believe in one size fits all solutions. A large part of this involves understanding cloud technologies and the benefits they offer particular situations.

Kubernetes, a cloud container management platform, offers streamlined automation, deployment and scaling for applications targeted at any of the public cloud providers.

Why choose BBD for your Kubernetes cloud solutions?

BBD has experience implementing Kubernetes for clients both on-prem and in the public cloud. Backed by our cloud engineers and DevOps teams, we guide you through every step in the journey in adopting Kubernetes, while utilising our specially developed suite of design patterns and accelerators that make use of best of breed principles and community practices.

Benefits of Kubernetes

› A platform to build your platform, Kubernetes works towards a unified operating model for cloud native systems
› Provider agnostic so you can pick your best-of-breed and cost-effective public cloud provider
› Open source and backed by the CNCF
› Reliable and sustainable, Kubernetes is battle tested and here to stay
› Extensible and easily allows for scaling as needs grow
› DevOps and IaaS friendly, Kubernetes provides reliable orchestration, deployment and scalability through automation

We believe that developing sound relationships with our client's project teams and the larger organisation fosters the adoption of good development practices and helps ease the path to sustainable Kubernetes-based applications. Our goal is to work closely with our clients to ensure we meet your needs by taking advantage of the benefits the technology has to offer.

Get in touch

If you'd like to engage with us, we'd love to hear from you.

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› **CI pipelines and CD the cloud-native way**
Adopting first-rate patterns and Kubernetes tools and leveraging practices such as GitOps, progressive delivery and chaos engineering all facilitate modern Continuous Integration (CI) and Continuous Delivery (CD) pipelines.

The CI/CD landscape is facility changing for cloud-native systems, and we have the knowledge and skills to assist you in modernising your CI and CD platforms and implementations. .

› **DevOps**
Our well-established DevOps skillset is a crucial element in automating and leveraging containers based on workload demand and reducing operational overhead. This includes skills across various deployment strategies and Kubernetes-native tools and practices.

BBD has implemented custom Kubernetes operators and extensions for our clients' use case to facilitate automation – enhancing delivery while maintaining quality and peace of mind.

› **Kubernetes cluster bootstrapping and production readiness**
We can guide you through planning and automating a fleet of production-ready clusters utilising our tried and tested cloud-native patterns and templates, including GitOps, monitoring and alerting.

Using our deep experience and knowhow, our teams work with you to plan a viable roadmap and operating model for your Kubernetes and cloud-native deployment and operation to ensure efficient successes.

› **Proof of Concepts**
With a host of experience using various tooling, patterns and managed services, we offer a Proof of Concept development service for your Kubernetes platform which combines the best and most pragmatic toolsets and practices for your unique team and operation environment.

› **On-boarding and co-habited teams**
We work closely with your teams and business to provide for on-boarding, and will assist in the adoption, continuous improvement and operations of your Kubernetes-based platform.

Knowledge transfer and constant feedback while embedding in your teams allows for real collaboration from inception through to delivery of the Kubernetes platforms, workloads and applications. We believe in developing a partnership with our clients that continues to add real business value over the long term.

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