



NRB CONTAINER SERVICES



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- Advisory services on containers and containerization
- PaaS solution to run containers on (hybrid) clouds

A TYPICAL SOFTWARE DEPLOYMENT PAIN



Have you ever seen developers running into an issue when changes have been made to an application, tested and everything works perfectly fine on the developers' systems but it is failing to move to the next stage? After passing the change to a tester or shipping it to the production environment, too often things start going wrong. The application behaves differently all of a sudden and even fails when moved into the production environment. The answer is probably: too often!

DIVIDE TO CONQUER!

Containers are portable and executable packages that contain an application and all of the application's dependencies. That means that each package can be taken, moved around and run wherever is needed, on a laptop, a local server or in the cloud. Containers are uniform building blocks, very scalable and cheap to use, meaning that you can roll them out very quickly and remove most hurdles linked to traditional deployment models.

ACCELERATE YOUR DIGITAL TRANSFORMATION WITH NRB CONTAINER SERVICES

Container solutions help organisations accelerate their digital transformation projects by fostering a DevSecOps approach. A container deployment platform will enable the integration and continuous delivery of solutions developed by different teams (development, operations, business, test,...).

You will gain in agility why saving on time and energy. NRB can walk you through the containerization journey from the first steps of your transformation journey up to the deployment of your applications, being on physical infrastructures, private, hybrid or public clouds.

SERVICES PROVIDED

Advisory services

- Architecture
- DevOps (CI/CD)
- Change Management
- Development

PaaS solutions:

- One stop shop
- Multi / Hybrid Cloud
- Technology agnostic

Service benefits

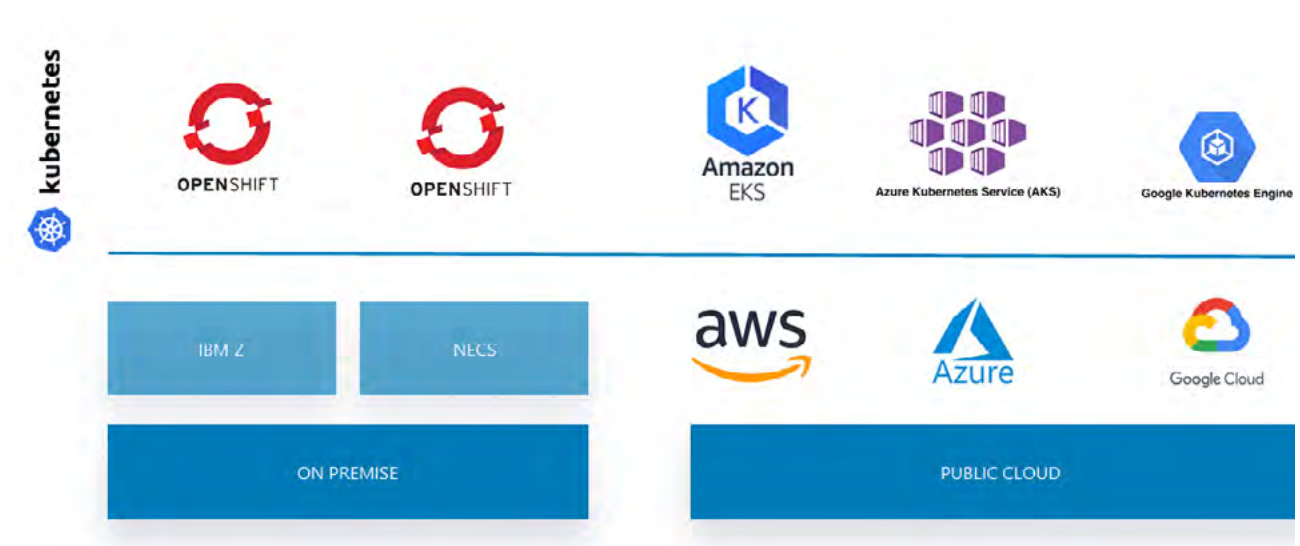
- Faster time-to-market for new applications
- Higher scalability
- Easier outsourcing
- Easier maintenance
- Automatic deployment
- Scalable architecture

APPROACH

Infrastructure-as-Code (IaC) defines system resources and topologies in a descriptive manner allowing operational teams to manage those resources as they would code. Those definitions can also be stored and versioned in version control systems (Git Repository), where they can be reviewed and reverted like code. Practicing Infrastructure-as-Code helps teams deploy system resources in a reliable, repeatable, and controlled way. Infrastructure-as-Code also helps automate deployment and reduces the risk of human error, especially for complex large environments.

As a general best practice, NRB makes a point of applying GitOps methodology. GitOps is code-based infrastructure and operational procedures that rely on Git as a source control system. It is an evolution of IaC and a DevOps best practice that leverages Git as the single source of truth, and control mechanism for creating, updating, and deleting system architecture. Simply said, it is the practice of using Git pull requests to verify and automatically deploy system infrastructure modifications.

ARCHITECTURE



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