MANAGED DYNAMIC COMPUTE

G-CLOUD FRAMEWORK SERVICE DEFINITION

brightsolid
PROFESSIONAL SERVICES

PREPARED: June 2020

COMMERCIAL IN CONFIDENCE

Company Overview

Think AWS, Think Brightsolid

Brightsolid is a Scottish privately owned and operated organisation specialising in providing managed hybrid cloud solutions to medium to large size enterprises in Scotland across Public Sector, Oil & Gas, Financial Services and more.

We've been succesfully delivering and managing cloud services for Scotland's public sector for 25 years. We're not born in the cloud; we grew up with the cloud and it shows. We're a trusted AWS partner, who can evolve with you, providing the right mix of cloud at the right time.

We support organisations to accelerate and control their AWS transformation journey, helping organisations realise value quickly, demonstrating a clear return on investment.

Our managed hybrid cloud solutions are unique to Scotland, spanning: on-premise expert colocation, private cloud as well as our public cloud solutions. We ensure our customers get the right hybrid cloud solution for them.

Service Overview

Responding dynamically to the needs of citizens and users is at the heart of digital government. Public cloud technology which can be deployed automatically, scaled to meet demand and incurs charges only when used, allows a speedy and cost effective response.

Ensuring your dynamic workloads are managed effectively is critical, as you'll want to keep your images up-to-date and ensure that your services can autoscale to meet the demand that you need. You'll want efficient load balancing and the right monitoring and alerting so you know exactly how your services are performing. Critically, you will want to set some guardrails to ensure that your infrastructure scales within your commercial limits.

Managed Dynamic Compute from Brightsolid is designed for clients who want to take advantage of the scalability and flexibility of dynamic compute on AWS. The service allows you to deploy self-configuring or immutable workloads deployed in an automated and scalable manner. Brightsolid management ensures that your services are set up in the most performant way with tailored monitoring and alerting.

Benefits of this service

- Deployment of your AWS environment within hours, allowing you to react quickly to business demands.
- Zero-Touch Base deployment image regularly maintained with up-to-date patches or replaced with new images and so you can deploy the latest secure and performant images.
- Dynamic workload monitoring, metrics, event management and alerting ensuring you get meaning data about your services.
- Auto-scale and load-balancer maintenance, regularly performed by Brightsolid, allowing your own resources to be used more effectively elsewhere.
- Fully managed service, supported 24 hours by Brightsolid's Service Desk and Cloud Engineers.

Our Deliverables

Brightsolid's Managed Dynamic Compute Service includes:

- Regularly updated pre-configured zero-touch base deployment images, ready to be used to create target images.
- Monitoring of performance metrics and system events.
- Autoscaling Group event monitoring, alerting and management.
- Target Operating System event monitoring.
- Elastic Load Balancer (ELB) monitoring and alerting.
- Ad-hoc autoscaling and load balancer maintenance; and
- Managed roll-out of patched or updated workload images.

PREREQUISITES

Due to the automated and scalable nature of the service there are some pre-requisites for Managed Dynamic Compute:

- Brightsolid Cloud Foundations.
- Workloads covered by the service include:
    - One load balancer (ALB, ELB or NLB) associated with one autoscaling group
    - Target Instance must be launched by the autoscaling group covered by this service
    - Load Balancers must exclusively target autoscaling groups covered by service

Full Service Specification available upon request

brightsolid
PROFESSIONAL SERVICES