

Create a diagram that captures the below eco-system which describes a micro-service oriented highly scalable web-platform:

- ~50 C# micro-services (may double in one year)
- ~20 Python micro-services (may double in one year)
- 1 Front-End server (Angular)
- Out of the existing micro-services, half of them are API's that communicate with the FE and half are background-tasks that do intensive processing
- The background-tasks communicate between themselves using a message broker (in our case RabbitMQ)
- C# micro-services are using SQL databases
- Python micro-services are using one SQL database and one MongoDB server
- We have multiple environments, 3 dev's, 1 staging and 1 prod. New environments must be easily manageable (created/updated/deleted)
- OPTIONAL(We want an infrastructure that is generic enough that allows us to change the cloud provider)

Other Requirements:

- Persistent logging
- The whole infrastructure to be in a VPC while allowing the Filed devs to have access to it from anywhere
- High availability / resilient
- Using ELB / ALB
- S3 storage service
- Monitoring / performance tools: Prometheus / Graphana, ElasticSearch / Kibana
- How do you see the CI-CD pipeline