PRODYNA

THE LEADER IN CLOUD NATIVE BUSINESS SOLUTIONS

CREATION OF A CLOUD NATIVE ENTERPRISE APPLICATION MVP

Motivation

The need for a short time to market, low risk, massive scalability, and increased reliability is driving the cloud native revolution. A Minimal Viable Product (MVP) is the smallest possible functional version of a future product or service. A MVP is used to test the viability of a business idea or technology. With this offering, we will turn your idea into a fully functional MVP running on a cloud native platform.

What We Bring

20 years of experience with software architecture and custom software development projects for many of the world's largest enterprises has generated the expertise needed for PRODYNA to help you modernize and migrate applications to a cloud native environment. We are a Kubernetes Certified Service Provider as well as Kubernetes Training Partner with recognized credentials from the Cloud Native Computing Foundation (CNCF). We provide you with unbiased consulting under consideration of your companies individual situation combined with an open and cloud agnostic technology stack. You will profit from our expertise whether your company is moving to a public cloud provider (e.g. Azure, AWS, GoogleCloud, Swisscom, etc.) or you run your own data center. We will bring you our reference architecture and development process to assist you with creating:

- Your MVP built as a containerized application
- A fully configured and functioning Kubernetes cluster (e.g. AKS, EKS, GKE, PKS, OpenShift, Rancher, etc.)
- Your MVP deployed on the cluster
- A configured CI/CD pipeline for fast and repeatable deployments
- A cloud native development environment for further development of the app

What You Need

To make best use of this offer and permit a fast and efficient start, you will need:

- Cloud provider account or available resources in your data center
- A business idea for the MVP

Duration

25-75 person days (depending on app requirements and complexity)

Benefits

- **Faster time to market** due to a highly automated delivery pipelines
- **Decreased risk** through a low initial invest and subscription based infrastructure
- **Increased agility** through a continuous delivery model
- **Increased scalability** with dynamic sizing and cluster scaling
- **Increased reliability** with self-healing and multi-cluster options
- **A complete solution** including the entire developmental environment

Pricing

EUR 1200/day

What You Get

Step	Actions	Deliverables
01 Kickoff	▸ Stakeholder management ▸ Introduction to cloud native design principles and key technologies ▸ Review of the MVP requirements ▸ Design of the high-level target architecture ▸ Definition of tasks and responsibilities	▸ Target application and infrastructure design ▸ Task backlog
02 Target Platform	▸ Evaluation of a suitable Kubernetes container platform for your target infrastructure (e.g. AKS, EKS, GKE, PKS, OpenShift, Rancher, etc.) ▸ Deployment of the selected Kubernetes ▸ Establish authentication and authorization on the platform ▸ Enable basic monitoring and logging	▸ Target environment ready for running the application
03 App Containerization	▸ Develop MVP application code ▸ Setup private image registry ▸ Create build process to package application into container images	▸ Container images for application ▸ Private image registry ▸ Cloud native ready developer workspace
04 App Deployment	▸ Create maintainable application deployment configurations for ▸ Kubernetes using state of the art tooling (e.g. Helm, Kustomize) Setup CI/CD pipeline to deploy application on target platform	▸ Application running on target platform ▸ CI/CD pipeline for quickly rolling out changes
05 Operational transparency	▸ Establish visibility into infrastructure and application by collecting metrics and logging data	▸ Centralized monitoring dashboards ▸ Centralized log analytics ▸ Alert management

About PRODYNA

PRODYNA is an innovative IT consultancy specializing in the creation of custom software solutions and serving the needs of corporate enterprises across the European continent. PRODYNA is a Kubernetes Certified Service Provider, Kubernetes Training Partner, and a member of the Cloud Native Computing Foundation.