

Azure Spring Cloud: MVP Build & 4-Week Assessment

4-week service offering to evaluate your digital estate and assess your software development processes. Kin + Carta will create a baseline so that you can measure your progress on the path to App Modernisation. After the assessment, we will create an Azure Spring Cloud instance and pipeline to Production for an MVP application.

Overview

Azure Spring Cloud provides the industry-leading PaaS platform for Java microservice development. It is an easy way to deploy Spring Boot based microservices, without requiring infrastructure setup or complicated YAML configurations. It is tightly integrated with Spring services in support of service mesh services like discovery, auto-scaling and gateway services. Azure Spring Cloud also eases development and maintenance of microservices development on Azure by supporting easy service binding for Azure services such as CosmosDB, SQL, Active Directory and Monitor.

We will assess the current state of your applications and your software development processes in order to create a baseline that will help you measure your progress as you move forward on the path to App Modernisation. We will include Security, Finance, and Governance in the analysis so that you can create a plan that you can actually implement.

For the 4-week assessment, we will help you create a Azure Spring Cloud environment and a CI/CD pipeline that will deliver a working MVP app to a Production environment. All of this will be created following standard Infrastructure-as-code patterns, allowing you to use it as a basis for further development or other projects.

Challenges

- **Lack of Experience:** Organisations have on-premises applications that would benefit from the rapid innovation, scalability, and reduced maintenance of the cloud but lack the experience to know how best to migrate the apps.
- **Lack of Knowledge:** Organisations understand the value of PaaS but lack the knowledge of how best to set up infrastructure-as-code and CI/CD pipelines that are efficient, secure, and enable rapid delivery of value.
- **High Cost of Management:** Organisations spend a lot of time and money on logging, monitoring, securing, and configuring on-premises applications. This is undifferentiated heavy-lifting that is necessary but does not add value.

Solution

- We will collaborate with your application stakeholders, IT organisation, Security, Finance and Governance to identify those applications that would benefit from being migrated to Azure Spring Cloud
- We will create an architecture and tech stack that will meet the needs of your organisation
- We will create a scorecard that will show your maturity as a modern software development organisation in comparison to industry standards that you can use a baseline to help identify gaps in your organisation.
- Azure Spring Cloud will be integrated with Azure Monitor, Azure Log Analyser Workspace, and built-in Azure Spring Cloud service registry and discovery.
- For the 4-week assessment, we will actually build out an Azure Spring Cloud instance for an MVP version of a selected app along with a CI/CD pipeline that will test and deliver the code to a Production environment.

Staffing Model

1 Solution Architect	3 Developers	0.2 Director	1 Technical Product Owner
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4 Week Assessment Activities

Week 1	Week 2	Week 3	Week 4
Walk client through Azure Developer Velocity Assessment subset	Create cloud migration document	Package pilot application	Testing and deploy to Production
Analyse app portfolio to identify and prioritise candidates to move to Azure Spring Cloud	Choose MVP application	Deploy to Dev	Retrospective
Analyse and assess the current DevOps and CloudNative development skills within the team	Define branching and CI/CD pipeline	Build out Staging and Production Pipelines	Complete Application Roadmap
Ensure prerequisites are met	Review/Confirm Security and Infrastructure requirements	Migrate data to Azure (if necessary)	Review Governance, Security, and Finance operations
	Create baseline Dev Azure Spring Cloud environment		Architecture Diagrams
			Demonstrate auto-scaling

Deliverables

- Working CI/CD pipeline to Production Roadmap
- Tech Stack
- Prioritized backlog
- Architecture diagrams for MVP
- Cloud Deployment Document
- Fully deployed Spring Cloud instance in Production
- Functioning MVP app in Production
- Infrastructure as code checked into repo

KIN+CARTA



Kin+Carta is a global digital transformation business and Gold Microsoft Partner. We make the journey to becoming a digital business tangible, sustainable, and profitable. Get in touch - Mark Robertson, Partnerships Director | Mark.Robertson@kinandcarta.com

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