SpringOne

What is Spring ??

September 1-2, 2021

springone.io

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GLENN RENFRO

Works on -

Spring Cloud Data Flow, Spring Cloud Task, & Spring Batch

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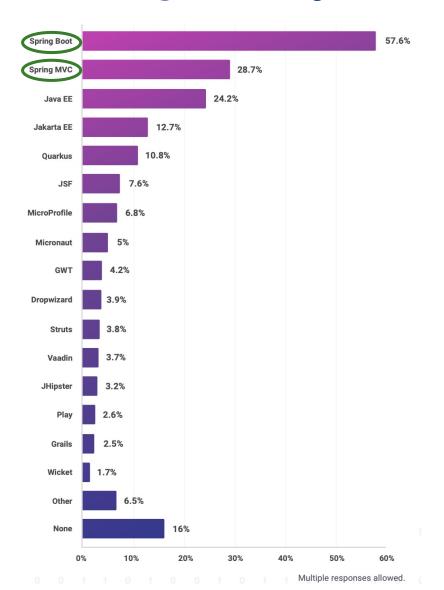






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According to Snyk's 2021 JVM Ecosystem Report



"The Java world is still a Spring-dominated world, with over half of the market using Spring Boot and almost a third using Spring MVC.." Snyk.io



Spring's growth is accelerating

81.5 Million Downloads for the Spring Boot dependency in 2020





Spring's growth is accelerating

+34% increase between '19 and '20





Spring's growth is accelerating

56,800 Stars on GitHub for Spring Boot

13% increase year over year









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Spring is an integration framework, designed to take lots of different technologies and allow you to combine them in ways that feel natural.



It gives you a consistent programming model ...















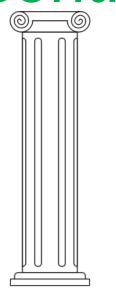




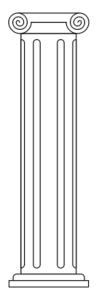
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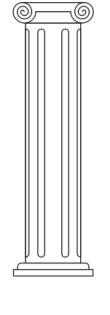
Inversion Of Control



Dependency Injection



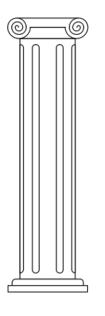
- Utils
- Testing
 - DB Tools







MVC







MVC Old School



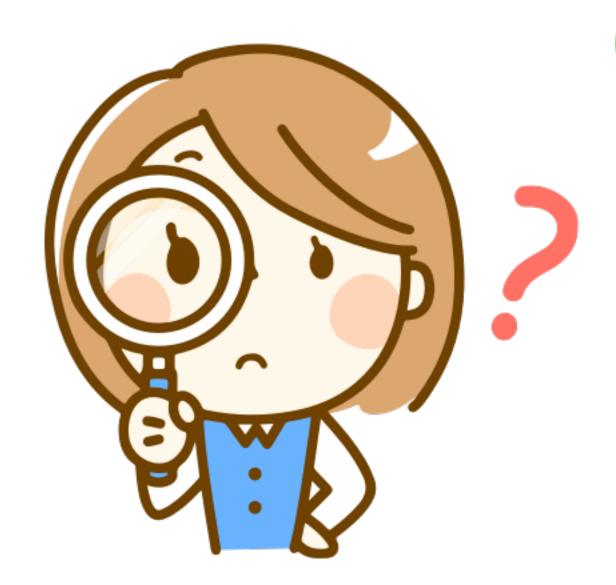




Spring MVC

```
@Controller
@RequestMapping("/hello")
public class HelloWorldController {
    @RequestMapping(method = RequestMethod.GET)
    public String printHello(ModelMap model) {
        return "hello world";
    }
}
```



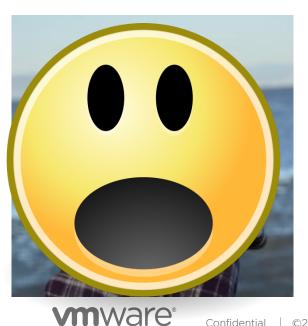






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Spring Boot	Spring Cloud Cluster	Spring Cloud Kubernetes
Spring Framework	Spring Cloud Commons	Spring Cloud OpenFeign
Spring Data JDBC Extensions	Spring Cloud Config	Spring Cloud Data Flow
Spring Data JPA	Spring Cloud Connectors	Spring Security
Spring Data LDAP	Spring Cloud Consul	Spring Security Kerberos
Spring Data MongoDB	Spring Cloud Contract	Spring Security OAuth
Spring Data Redis	Spring Cloud Function	Spring Security SAML
Spring Data R2DBC	Spring Cloud Gateway	Spring Session
Spring Data REST	Spring Cloud GCP	Spring Session Core
Spring Data for Apache Cassandra	Spring Cloud Netflix	Spring Session Data Redis
Spring Data for Apache Geode	Spring Cloud Open Service Broker	Spring Session JDBC



Spring Data Neo4j

Spring Cloud Azure

Spring Cloud Bus

Spring Cloud CLI

Spring Cloud Alibaba

Spring for Apache Hadoop

Spring Cloud for Amazon Web Services

Spring Cloud for Cloud Foundry

Spring Data for Pivotal GemFireSpring Cloud PipelinesSpring Session HazelcastSpring Data CouchbaseSpring Cloud Schema RegistrySpring Session MongoDBSpring Data ElasticsearchSpring Cloud SecuritySpring Session for Apache Geode & GemFireSpring Data EnversSpring Cloud SkipperSpring Integration

Spring Cloud Skipper

Spring Cloud Skipper

Spring Cloud Sleuth

Spring Cloud Stream

Spring Cloud Stream Applications

Spring Cloud Stream App Starters

Spring Cloud Task

Spring Cloud Task

Spring Cloud Task

Spring Cloud Task

Spring Cloud Task Spring for Apache Kafka

Spring Cloud Task App Starters Spring LDAP

Spring Cloud Vault Spring Statemachine

Spring Cloud Zookeeper Spring Vault
Spring Cloud App Broker Spring GraphQL
Spring Cloud Circuit Breaker Spring Native



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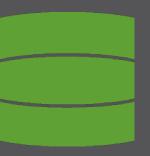


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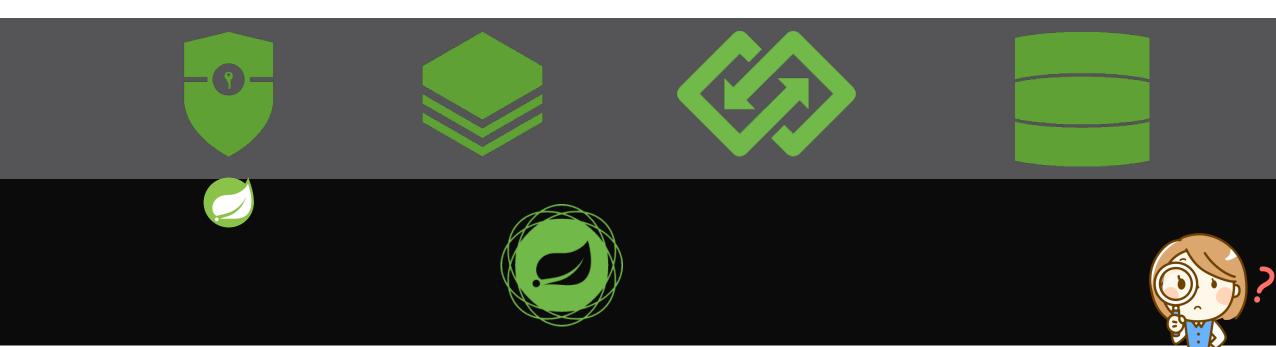




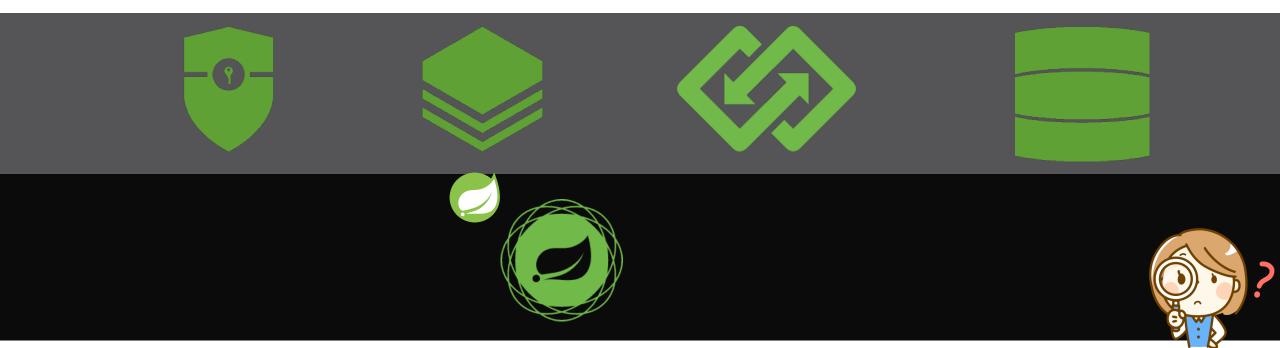




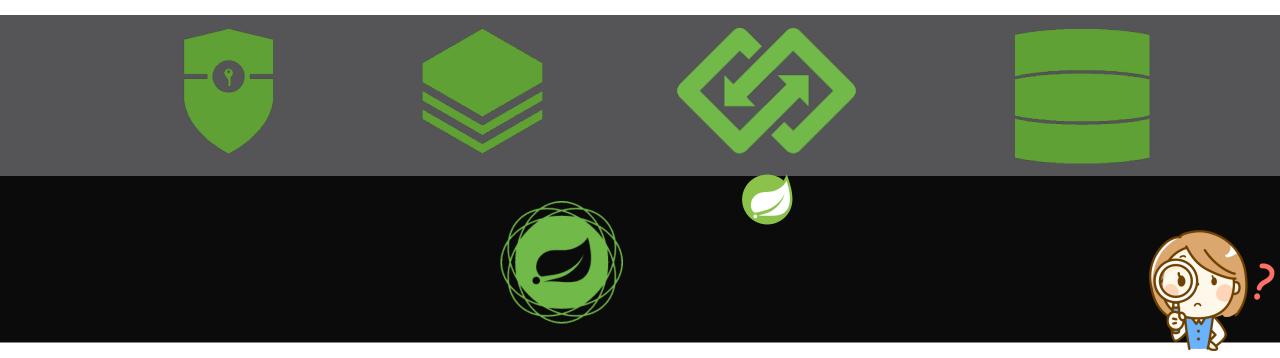












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- JDBC
- JPA
- LDAP
- MongoDB
- Redis

- R2DBC
- REST
- Apache Casandra
- Apache Geode
- Apache Solr

- Couchbase
- Elasticsearch
- Envers
- Neo4j
- •





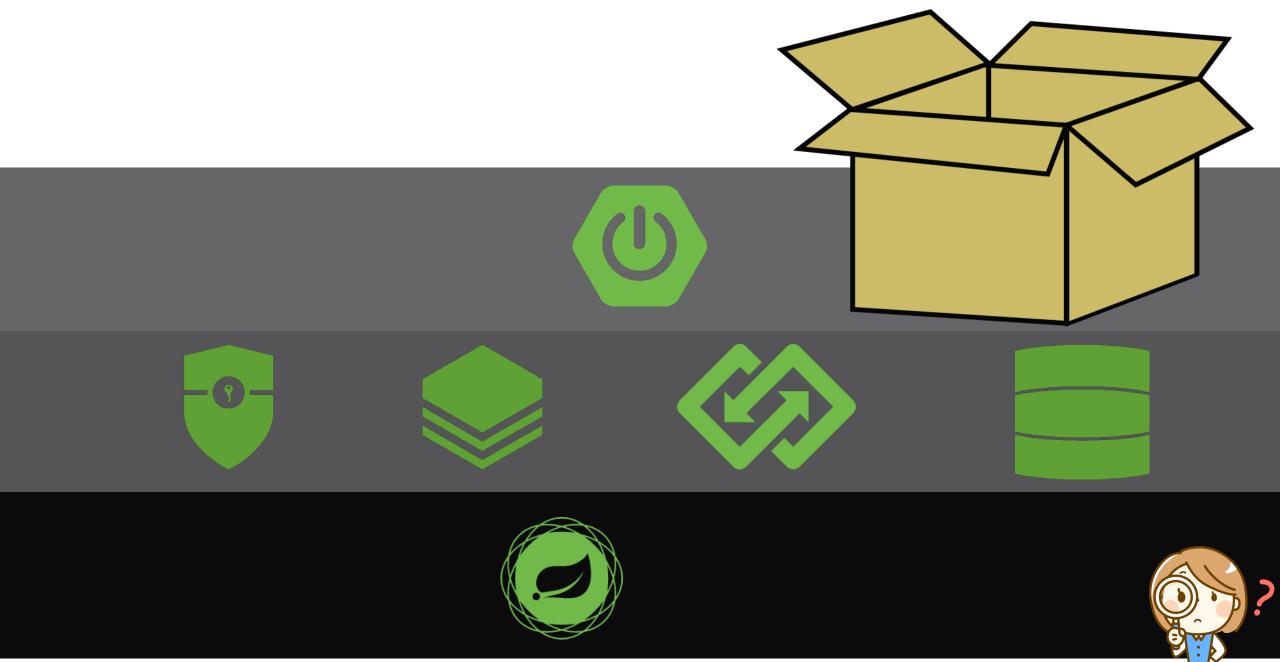












Spring MVC

. . .

```
@Controller
@RequestMapping("/hello")
public class HelloWorldController {
    @RequestMapping(method = RequestMethod.GET)
    public String printHello(ModelMap model) {
        return "hello world";
    }
}
```



Spring Boot



```
@RestController
public class HelloWorldController {
    @RequestMapping("/hello")
        public String printHello() {
        return "hello world";
    }
}
```





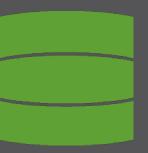




















- Spring Cloud Azure
- Spring Cloud Alibaba
- Spring Cloud AWS
- Spring Cloud Config
- Spring Cloud Contract
- Spring Cloud Function
- Spring Cloud Gateway
- Spring Cloud GCP

- Spring Cloud Security
- Spring Cloud Schema Registry
- Spring Cloud Sleuth
- Spring Cloud Stream
- Spring Cloud Task
- Spring Cloud Vault
- Spring Cloud Zookeeper
- •





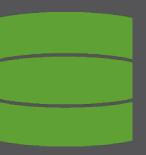




















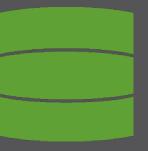










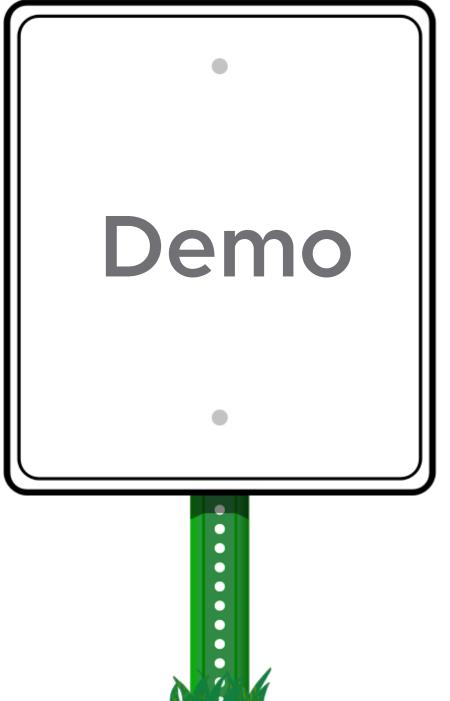
















start. spring.





Spring Boot—Production Boost Sept 2, 11:00 AM EDT



Bootiful Spring Tooling for the Masses Sept 2, 11:35 AM EDT



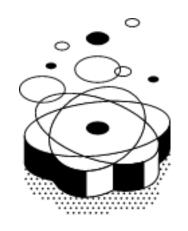


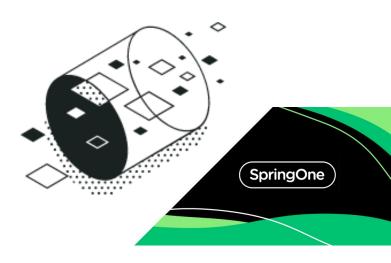


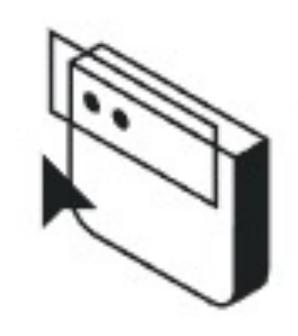
















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Spring Security 5.5 From Taxi to Takeoff Sep 1, 4:05 PM-5:00 PM EDT



A Spring Data's Guide to Persistence Sep 2, 10:05 AM-11:00 AM EDT



Tracing Issues in Your Application Sep 2, 1:05 PM-2:00 PM EDT

Mainstage: Watch for Marcin Sep 2, 9:00 AM-10:00 AM EDT













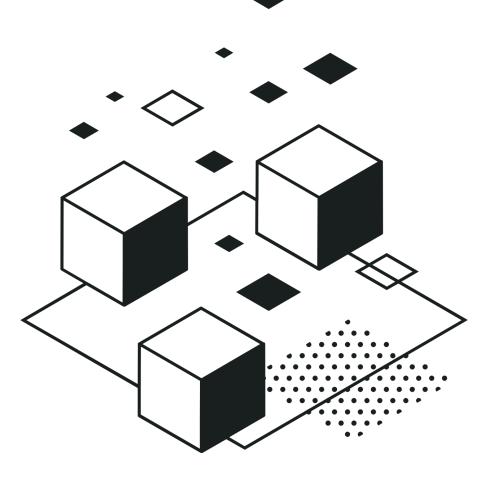
Spring GraphQL

Sep 1, 11:05 AM-12:00 PM EDT









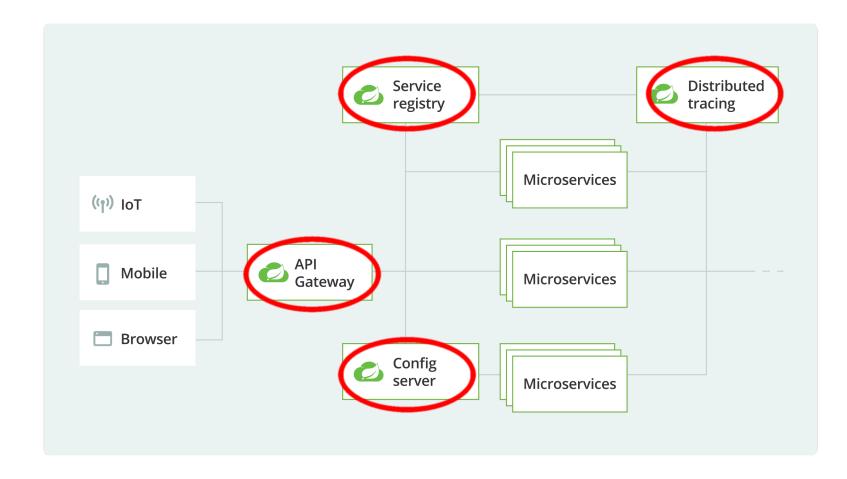
























Rapid Development with Azure Spring Cloud

Sep 1, 1:05 PM-2:00 PM EDT



API Gateway How-To: The Many Ways to Apply the Gateway Pattern

Sep 1, 12:35 PM-1:00 PM EDT



Resilient and Adaptable Systems with Cloud Native APIs

Catch it on YouTube ©











Inner Loop Development with Spring Boot on Kubernetes

Catch it on YouTube ©

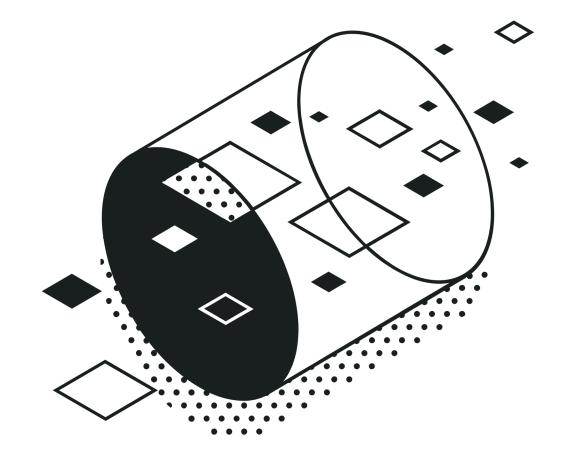


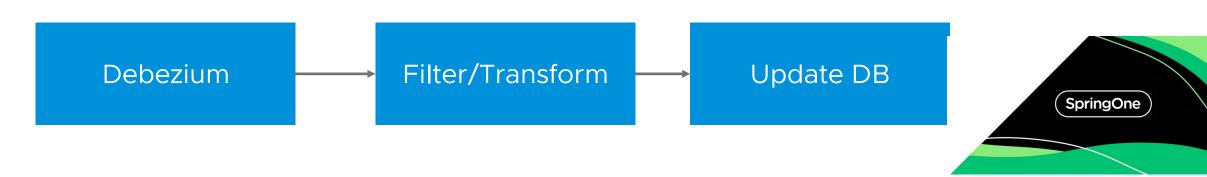
Next-Generation Cloud Native Apps with Spring Cloud and Kubernetes

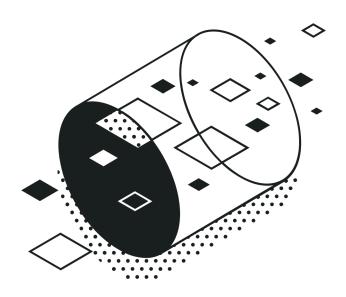
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Spring Cloud Stream

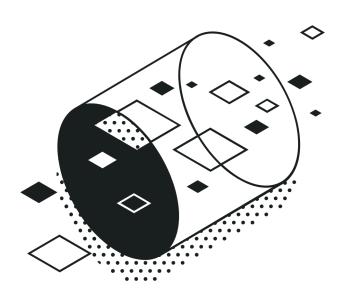


Spring Cloud Data Flow











Full-Stack Observability for IoT Event Stream Data Processing at Penske

Sep 2, 3:05 PM-3:30 PM EDT



Driving the Data Pipelines for Connected Vehicles with Spring Cloud Data Flow

Sep 2, 3:35 PM-4:00 PM EDT















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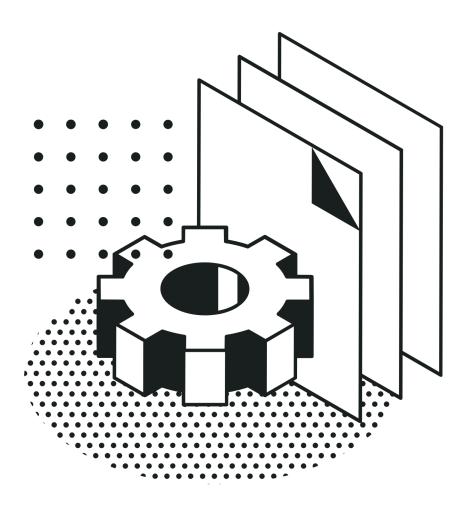
Spring Cloud Function: Where We Were, Where We Are, and Where We're Going

Sep 2, 11:05 AM-12:00 PM EDT





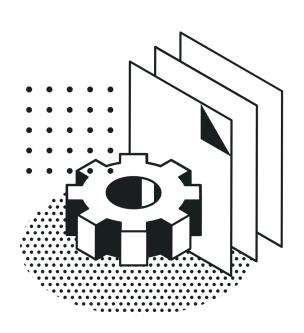












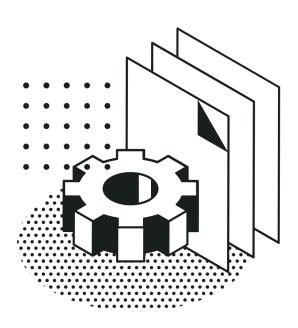














Application Modernization: Migrating Mainframe Apps to the Cloud Using Spring

Sep 2, 5:05 PM-6:00 PM EDT

















Sep 2, 10:05 AM-11:00 AM EDT



Going Serverless Using the Spring Framework Ecosystem

Sep 2, 2:05 PM-3:00 PM EDT







From Spring Framework 5.3 to 6.0

Catch it on YouTube ©

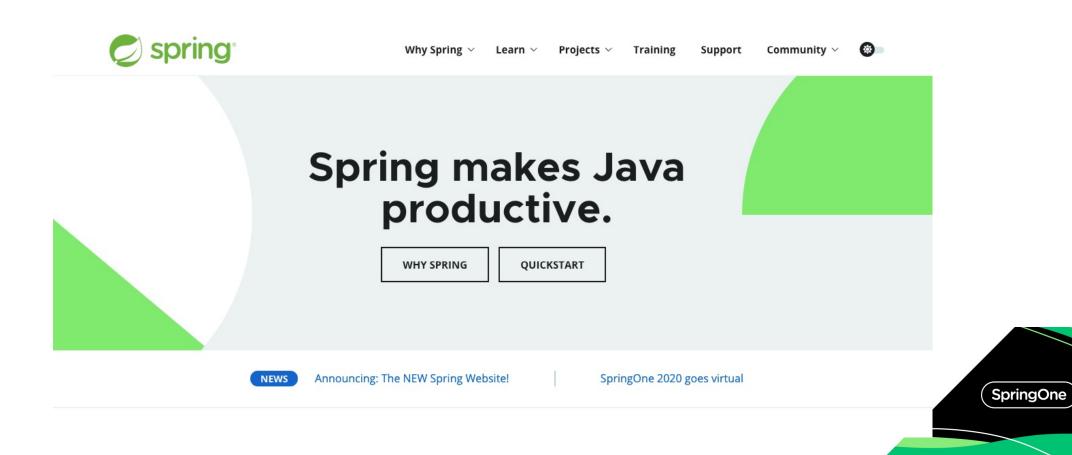
The Future







spring.io





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Stay Connected.

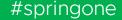
Spring For Architects

https://springone.io/2021/sessions/spring-for-architects

Proactively Designing for Diversity, Equity, and Inclusion

https://springone.io/2021/sessions/proactively-designing-for-diversity-equity-and-inclusion





Thank You!

https://github.com/cppwfs/S12021Demo

