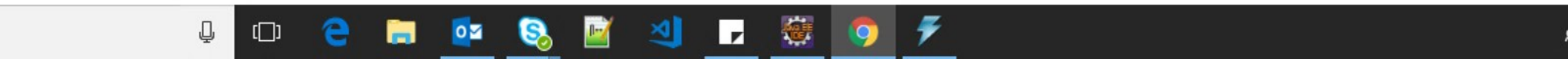
uth/login?error

essful, try again.

d

Password

John David
MOSIP Java
Hi All, Pleas
Java coding
on the REST
Outlook 2016



/application.properties - Eclipse

Run Window Help

application.yml | restaurantclien | application.pro | application.yml | application.yml | EurekaDiscovery | application.yml | application.pro

```
spring.datasource.url=jdbc:mysql://localhost:3306/db-service
spring.datasource.driver-class-name=com.mysql.jdbc.Driver
spring.datasource.username=root
spring.datasource.password =Welcome123
#spring.datasource.testWhileIdle=true
#spring.datasource.validationQuery=SELECT 1
spring.jpa.show-sql=true
spring.jpa.hibernate.ddl-auto=update
spring.jpa.hibernate.naming-strategy=org.hibernate.cfg.ImprovedNamingStrategy
spring.jpa.properties.hibernate.dialect=org.hibernate.dialect.MySQL5Dialect
spring.application.name=db-serice
server.port=8082
server.context-path=/auth
#security.user.name=kishan
#security.user.password=kishan
```

Properties | Source

Markers | Properties | Servers | Data Source Explorer | Snippets | Console | Progress | JUnit | Palette

<terminated> restaurantclient - SimpleClientApplication [Spring Boot App] C:\Program Files\Java\jdk1.8.0_152\bin\javaw.exe (Jul 26, 2018, 8:30:28 PM)

```
        at org.springframework.boot.SpringApplication.run(SpringApplication.java:303) [spring-boot-1.5.14.RELEASE.jar:1.5.14.RELEASE]
        at org.springframework.boot.SpringApplication.run(SpringApplication.java:1118) [spring-boot-1.5.14.RELEASE.jar:1.5.14.RELEASE]
        at org.springframework.boot.SpringApplication.run(SpringApplication.java:1107) [spring-boot-1.5.14.RELEASE.jar:1.5.14.RELEASE]
        at com.mindtree.restaurent.restaurantclient.SimpleClientApplication.main(SimpleClientApplication.java:14) [classes/:na]
Caused by: java.lang.IllegalStateException: Ambiguous mapping. Cannot map 'restaurantController' method
public java.util.List<com.mindtree.restaurent.restaurantclient.dto.RestaurantDto> com.mindtree.restaurent.restaurantclient.controller.Restaurant
to {[/restaurants/getAllRestaurants],methods=[GET]}: There is already 'restaurantController' bean method
public java.lang.String com.mindtree.restaurent.restaurantclient.controller.RestaurantController.getName() mapped.
        at org.springframework.web.servlet.handler.AbstractHandlerMethodMapping$MappingRegistry.assertUniqueMethodMapping(AbstractHandlerMethodM
        at org.springframework.web.servlet.handler.AbstractHandlerMethodMapping$MappingRegistry.register(AbstractHandlerMethodMapping.java:540) ~
        at org.springframework.web.servlet.handler.AbstractHandlerMethodMapping.registerHandlerMethod(AbstractHandlerMethodMapping.java:264) ~[s
        at org.springframework.web.servlet.handler.AbstractHandlerMethodMapping.detectHandlerMethods(AbstractHandlerMethodMapping.java:250) ~[sp
        at org.springframework.web.servlet.handler.AbstractHandlerMethodMapping.initHandlerMethods(AbstractHandlerMethodMapping.java:214) ~[spri
        at org.springframework.web.servlet.handler.AbstractHandlerMethodMapping.afterPropertiesSet(AbstractHandlerMethodMapping.java:184) ~[spri
        at org.springframework.web.servlet.mvc.method.annotation.RequestMappingHandlerMapping.afterPropertiesSet(RequestMappingHandlerMapping.ja
        at org.springframework.beans.factory.support.AbstractAutowireCapableBeanFactory.invokeInitMethods(AbstractAutowireCapableBeanFactory.java
        at org.springframework.beans.factory.support.AbstractAutowireCapableBeanFactory.initializeBean(AbstractAutowireCapableBeanFactory.java:1
        ... 16 common frames omitted
```

a/com/mindtree/restaurent/restaurantclient/controller/RestaurantController.java - Eclipse

te Search Project Run Window Help

application.yml | restaurantclien | RestaurantContr | application.pro | application.yml | EurekaDiscovery | application.yml | application.pr

```
36      public RestaurantDto getAllRestaurants(@PathVariable final int rid){
37          Map<String, String> uriVariables = new HashMap<>();
38
39          ResponseEntity<RestaurantDto> getResponse=restTemplate.
40                                                  getForEntity("http://localhost:8081/rest/restaurant/getAllRestaurant"+ rid,Rest
41                  //exchange("http://localhost:8081//rest/restaurant/getAllRestaurant", HttpMethod.GET, null, new ParameterizedTypeReference<
42
43          RestaurantDto restaurants=getResponse.getBody();
44
45
46          return restaurants;
47
48      }*/
49
50      @GetMapping("/getAllRestaurants")
51      public List<RestaurantDto> getAllRestaurantsFeign(){
52
53          List<RestaurantDto> response=proxy.getAllRestaurants();
54
55          return response;
56      }
57
58  }
```

Markers | Properties | Servers | Data Source Explorer | Snippets | Console | Progress | JUnit | Palette

eurekaDiscovery - EurekaDiscoveryApplication [Spring Boot App] C:\Program Files\Java\jdk1.8.0_152\bin\javaw.exe (Jul 26, 2018, 8:18:15 PM)

```
        at org.apache.http.impl.client.CloseableHttpClient.ex
        at com.sun.jersey.client.apache4.ApacheHttpClient4Har
        ... 10 common frames omitted

2018-07-26 20:29:59.667 ERROR 15172 --- [get_localhost-7] c.n.e.cluster.ReplicationTaskProcessor   : Network level connection to peer localhost;

com.sun.jersey.api.client.ClientHandlerException: org.apache.http.conn.ConnectTimeoutException: Connect to localhost:8761 timed out
        at com.sun.jersey.client.apache4.ApacheHttpClient4Handler.handle(ApacheHttpClient4Handler.java:187) ~[jersey-apache-client4-1.19.1.jar:1
        at com.netflix.eureka.cluster.DynamicGZIPContentEncodingFilter.handle(DynamicGZIPContentEncodingFilter.java:48) ~[eureka-core-1.9.2.jar:
        at com.netflix.discovery.EurekaIdentityHeaderFilter.handle(EurekaIdentityHeaderFilter.java:27) ~[eureka-client-1.9.2.jar:1.9.2]
        at com.sun.jersey.api.client.Client.handle(Client.java:652) ~[jersey-client-1.19.1.jar:1.19.1]
        at com.sun.jersey.api.client.WebResource.handle(WebResource.java:682) ~[jersey-client-1.19.1.jar:1.19.1]
        at com.sun.jersey.api.client.WebResource.access$200(WebResource.java:74) ~[jersey-client-1.19.1.jar:1.19.1]
        at com.sun.jersey.api.client.WebResource$Builder.post(WebResource.java:570) ~[jersey-client-1.19.1.jar:1.19.1]
        at com.netflix.eureka.transport.JerseyReplicationClient.submitBatchUpdates(JerseyReplicationClient.java:116) ~[eureka-core-1.9.2.jar:1.9
        at com.netflix.eureka.cluster.ReplicationTaskProcessor.process(ReplicationTaskProcessor.java:80) ~[eureka-core-1.9.2.jar:1.9.2]
        at com.netflix.eureka.util.batcher.TaskExecutors$BatchWorkerRunnable.run(TaskExecutors.java:187) [eureka-core-1.9.2.jar:1.9.2]
        at java.lang.Thread.run(Thread.java:748) [na:1.8.0_152]
Caused by: org.apache.http.conn.ConnectTimeoutException: Connect to localhost:8761 timed out
        at org.apache.http.conn.scheme.PlainSocketFactory.connectSocket(PlainSocketFactory.java:123) ~[httpclient-4.5.5.jar:4.5.5]
```

default	

Uptime	00:18
Lease expiration enabled	false
Renews threshold	8
Renews (last min)	4

MAY BE INCORRECTLY CLAIMING INSTANCES ARE UP WHEN THEY'RE NOT. RENEWALS ARE LESSER THAN THRESHOLD AND HENC
ED JUST TO BE SAFE.

tly registered with Eureka

AMIs	Availability Zones	Status
n/a (1)	(1)	UP (1) - A2MD19250.mindtree.com:authDb-service:8082
n/a (2)	(2)	DOWN (1) - A2MD19250.mindtree.com:db-serice:8082 UP (1) - A2MD19250.mindtree.com:db-serice:8083
n/a (1)	(1)	UP (1) - A2MD19250.mindtree.com:Restaturant-service:8081

	Value
	345mb
	test
	4
	176mb (51%)
	00:18

sources/application.yml - Eclipse

Run Window Help

application.yml RestaurantContr application.pro RestaurantContr dbService/pom.x GetRestaurants. application.yml application.

```
1 spring:
2   application:
3     name: eureka-service
```

Markers Properties Servers Data Source Explorer Snippets Console Progress JUnit Palette

restaurantclient - SimpleClientApplication [Spring Boot App] C:\Program Files\Java\jdk1.8.0_152\bin\javaw.exe (Jul 27, 2018, 11:54:02 AM)

```
2018-07-27 11:54:28.642  INFO 8760 --- [nio-8081-exec-1] o.s.web.servlet.DispatcherServlet        : FrameworkServlet 'dispatcherServlet': initia
2018-07-27 11:54:28.666  INFO 8760 --- [nio-8081-exec-1] o.s.web.servlet.DispatcherServlet        : FrameworkServlet 'dispatcherServlet': initia
2018-07-27 11:55:07.377 ERROR 8760 --- [nio-8081-exec-9] o.a.c.c.C.[.[.[/ui].[dispatcherServlet]  : Servlet.service() for servlet [dispatcherSer

org.springframework.web.client.HttpClientErrorException: 404 null
        at org.springframework.web.client.DefaultResponseErrorHandler.handleError(DefaultResponseErrorHandler.java:86) ~[spring-web-4.3.18.RELEA
        at org.springframework.web.client.RestTemplate.handleResponse(RestTemplate.java:708) ~[spring-web-4.3.18.RELEASE.jar:4.3.18.RELEASE]
        at org.springframework.web.client.RestTemplate.doExecute(RestTemplate.java:661) ~[spring-web-4.3.18.RELEASE.jar:4.3.18.RELEASE]
        at org.springframework.web.client.RestTemplate.execute(RestTemplate.java:621) ~[spring-web-4.3.18.RELEASE.jar:4.3.18.RELEASE]
        at org.springframework.web.client.RestTemplate.exchange(RestTemplate.java:567) ~[spring-web-4.3.18.RELEASE.jar:4.3.18.RELEASE]
        at com.mindtree.restaurent.restaurantclient.controller.RestaurantController.getAllRestaurants(RestaurantController.java:75) ~[classes/:na
        at sun.reflect.NativeMethodAccessorImpl.invoke0(Native Method) ~[na:1.8.0_152]
        at sun.reflect.NativeMethodAccessorImpl.invoke(NativeMethodAccessorImpl.java:62) ~[na:1.8.0_152]
        at sun.reflect.DelegatingMethodAccessorImpl.invoke(DelegatingMethodAccessorImpl.java:43) ~[na:1.8.0_152]
        at java.lang.reflect.Method.invoke(Method.java:498) ~[na:1.8.0_152]
        at org.springframework.web.method.support.InvocableHandlerMethod.doInvoke(InvocableHandlerMethod.java:205) ~[spring-web-4.3.18.RELEASE.j
        at org.springframework.web.method.support.InvocableHandlerMethod.invokeForRequest(InvocableHandlerMethod.java:133) ~[spring-web-4.3.18.R
        at org.springframework.web.servlet.mvc.method.annotation.ServletInvocableHandlerMethod.invokeAndHandle(ServletInvocableHandlerMethod.java
        at org.springframework.web.servlet.mvc.method.annotation.RequestMappingHandlerAdapter.invokeHandlerMethod(RequestMappingHandlerAdapter.j
        at org.springframework.web.servlet.mvc.method.annotation.RequestMappingHandlerAdapter.handleInternal(RequestMappingHandlerAdapter.java:7
        at org.springframework.web.servlet.mvc.method.AbstractHandlerMethodAdapter.handle(AbstractHandlerMethodAdapter.java:85) ~[spring-webmvc-
        at org.springframework.web.servlet.DispatcherServlet.doDispatch(DispatcherServlet.java:967) ~[spring-webmvc-4.3.18.RELEASE.jar:4.3.18.RE
        at org.springframework.web.servlet.DispatcherServlet.doService(DispatcherServlet.java:901) ~[spring-webmvc-4.3.18.RELEASE.jar:4.3.18.REL
        at org.springframework.web.servlet.FrameworkServlet.processRequest(FrameworkServlet.java:970) ~[spring-webmvc-4.3.18.RELEASE.jar:4.3.18.
        at org.springframework.web.servlet.FrameworkServlet.doGet(FrameworkServlet.java:861) ~[spring-webmvc-4.3.18.RELEASE.jar:4.3.18.RELEASE]
        at javax.servlet.http.HttpServlet.service(HttpServlet.java:635) ~[tomcat-embed-core-8.5.31.jar:8.5.31]
        at org.springframework.web.servlet.FrameworkServlet.service(FrameworkServlet.java:846) ~[spring-webmvc-4.3.18.RELEASE.jar:4.3.18.RELEASE
        at javax.servlet.http.HttpServlet.service(HttpServlet.java:742) ~[tomcat-embed-core-8.5.31.jar:8.5.31]
        at org.apache.catalina.core.ApplicationFilterChain.internalDoFilter(ApplicationFilterChain.java:231) ~[tomcat-embed-core-8.5.31.jar:8.5.
        at org.apache.catalina.core.ApplicationFilterChain.doFilter(ApplicationFilterChain.java:166) ~[tomcat-embed-core-8.5.31.jar:8.5.31]
        at org.apache.tomcat.websocket.server.WsFilter.doFilter(WsFilter.java:52) ~[tomcat-embed-websocket-8.5.31.jar:8.5.31]
        at org.apache.catalina.core.ApplicationFilterChain.internalDoFilter(ApplicationFilterChain.java:193) ~[tomcat-embed-core-8.5.31.jar:8.5.
        at org.apache.catalina.core.ApplicationFilterChain.doFilter(ApplicationFilterChain.java:166) ~[tomcat-embed-core-8.5.31.jar:8.5.31]
        at org.springframework.boot.web.filter.ApplicationContextHeaderFilter.doFilterInternal(ApplicationContextHeaderFilter.java:55) ~[spring-
        at org.springframework.web.filter.OncePerRequestFilter.doFilter(OncePerRequestFilter.java:107) ~[spring-web-4.3.18.RELEASE.jar:4.3.18.RE
        at org.apache.catalina.core.ApplicationFilterChain.internalDoFilter(ApplicationFilterChain.java:193) ~[tomcat-embed-core-8.5.31.jar:8.5.
        at org.apache.catalina.core.ApplicationFilterChain.doFilter(ApplicationFilterChain.java:166) ~[tomcat-embed-core-8.5.31.jar:8.5.31]
        at org.springframework.boot.actuate.trace.WebRequestTraceFilter.doFilterInternal(WebRequestTraceFilter.java:111) ~[spring-boot-actuator-
        at org.springframework.web.filter.OncePerRequestFilter.doFilter(OncePerRequestFilter.java:107) ~[spring-web-4.3.18.RELEASE.jar:4.3.18.RE
        at org.apache.catalina.core.ApplicationFilterChain.internalDoFilter(ApplicationFilterChain.java:193) ~[tomcat-embed-core-8.5.31.jar:8.5.
        at org.apache.catalina.core.ApplicationFilterChain.doFilter(ApplicationFilterChain.java:166) ~[tomcat-embed-core-8.5.31.jar:8.5.31]
```

Genie

PEOPLEHUB

LOG TICKET | MY TICKETS | APPROVE TICKETS | HELP | FEEDBACK

To Enabling Function * Healthy Mind Healthy Body

Area * Ergonomics/Keyboard tray

Sub Area * West Campus

Category * Issue — Eg: Anything (applications, equipment etc.) that is not working as per specification or as intended.

Status Open

Contact Number * 8239277017

Seat Number * WCP2-5F-210

Severity * Normal

User Location * Mindtree West Campus

User Details

Cubicle/Desk Location * WCP2-5F-202

Project * PRJ-011469

No Records Found

Completed Ergo Class?? ○ Yes ◉ No

Client Height * 5.6

Duration of Complaints

Seen by Doctor ◉ Yes ○ No

Reason for the request * To install keyboard tray at my de

Detailed Description

Upload File Choose File No file chosen

Search Current Mailbox (... Current Mailbox

All Unread By Date Newest

Today

Jyoti Prakash Nayak
[/svn/MOSIP COMMIT] r152 ... 10:20 AM
Author: m1030448

Absent.Reminders@...
Action Required : Apply Lea... 10:12 AM
Dear Kishan Rathore,

Rounak Nayak
WFH Today 9:54 AM
Hi Team, Due to some

Yesterday

Ragavendar Narasim...
Need Volunteers! Mon 10:34 PM
(Bcc' d to Campus Minds)

Pranav Kumar (IN174...
[/svn/MOSIP COMMIT] r151 ... Mon 9:29 PM
Author: m1041740

Arunbose Subashcha...
[/svn/MOSIP COMMIT] r150 ... Mon 6:55 PM
Author: M1046368

Arunbose Subashcha...
[/svn/MOSIP COMMIT] r149 ... Mon 6:51 PM
Author: M1046368

Arunbose Subashcha...
[/svn/MOSIP COMMIT] r148 ... Mon 6:50 PM
Author: M1046368

Arunbose Subashcha...
[/svn/MOSIP COMMIT] r147 ... Mon 6:50 PM
Author: M1046368

Arunbose Subashcha...

Reply Reply All Forward IM

Tue 8/14/2018 10:10 AM

Absent.Reminders@mindtree.com

Action Required : Apply Leave or NIO

To Kishan Rathore

Dear Kishan Rathore,

Our records show that you do not have minimum business hours / approved Leave / approved NIO for the following day(s):

Date	Attendance Entry	NIO Category	NIO Status	Leave Category	Leave Status
11 Aug 2018	00:00	No	No	No	No

As per the Working Hours and Attendance policy, all India-based Mindtree Minds must adhere to the following:

- If you are in office for less than or equal to four (4) hours, you are required to apply for Full Day Leave or NIO. If this ac **PAY"** deduction will be automatically registered by the system.
- If you are in office for greater than four (4) hours, but less than or equal to seven (7) hours, please apply for Half Day L not taken, a **"NO PAY"** deduction will be automatically updated by the system.

What you can do to avoid an auto deduction of salary from your payroll:

- Apply for NIO (apart from NIO - WFH) or Leave.
- If you have already applied for Leave or NIO and are waiting for approval - please speak to your approver and get it ap

Please note: This is an auto generated mail; please do not respond to this mail. For any queries please raise a Genie ticket.

Please ignore this communication if your Leave or NIO request has been approved today.

```
\code\ng5 (master)  clear


\code\ng5 (master)  ng generate service data
app/data.service.spec.ts (362 bytes)
app/data.service.ts (110 bytes)

\code\ng5 (master)  ng build
-05T16:24:02.529Z
8158f0c1d52b9

} inline.bundle.js, inline.bundle.js.map (inline) 5.83 kB [entry] [rendered]
main.bundle.js, main.bundle.js.map (main) 22.9 kB [initial] [rendered]
lls} polyfills.bundle.js, polyfills.bundle.js.map (polyfills) 200 kB [initial]
} styles.bundle.js, styles.bundle.js.map (styles) 12.1 kB [initial] [rendered]
} vendor.bundle.js, vendor.bundle.js.map (vendor) 3.26 MB [initial] [rendered]

\code\ng5 (master)  ng build --prod
set optimization
```

employment activities. We request you to assess the implications of withdrawing consent before placing a request for such withdrawal of consent.

2.Data recipients

Your Personal Data will only be available to the persons within the Company who need such access for the purposes listed above or where required by law. These parties include human relations personnel, information technology personnel, relevant business managers access limited to their supervisory organization), and authorized representatives of internal control functions, such as Audit, Compliance, Legal and Government bodies. Access to the internal business directory will be provided to all employees of the Mindtree Group of companies and may also be provided to Mindtree Ltd's agents, clients, contractors, and third-party service providers when necessary for the performance of their contract with such companies.

In the course of the proper running of Mindtree Ltd's business, we may need to share certain of your Personal Data for business and communication purposes with third-party organizations that provide services to us.

To comply with our statutory and other obligations and for the proper management of the Mindtree Group, Mindtree Ltd and our service providers may also provide information to other third parties, including, but not limited to, auditors, accountants, lawyers and other professional advisers, as well as to administrative authorities, courts, law enforcement and/or regulatory authorities, arbitrators, experts, adverse parties and/or their advisors.

3.Personal Data Security

Mindtree utilizes appropriate physical, technical and administrative procedures to safeguard the information we collect. We also take reasonable steps to ensure that all dealings in Personal Data is processed fairly & lawfully,

Mindtree may retain your Personal Data as long as there is a valid purpose, or if otherwise required under applicable laws.

Once the purpose for the Personal Data ceases to exist, we follow appropriate data destruction techniques to protect against unauthorized access, disclosure or use of your Personal Data.

4.Data Transfers from to India when you are based outside India

As Mindtree entities is part of a global group ("the Mindtree Group"), when you are based outside India or employed at a branch of Mindtree outside India , your Personal Data may be transferred to Mindtree Ltd in India which is a country that does not presently provide the same level of legal protection of personal data as may be applicable in the other countries in particular the EEA and , in particular for the above mentioned data processing operations purposes and, also the hosting and IT support of the global IT tools the Companies uses for HR management purposes etc. We will ensure that any such communications take place in accordance with our obligations under the applicable data privacy law.

In addition, we may also provide your Personal Data to third-party service providers outside the country of your location for the hosting and IT support of the global IT tools used by the Mindtree Group to the extent permitted by and in accordance with the local data privacy laws.

Mindtree
Welcome to possible

EMPLOYEES INFORMATION NOTICE AND CONSENT CONCERNING PROTECTION OF PERSONAL DATA

1.Your Personal Data

For the purposes of your employment with Mindtree Limited1 ("Mindtree Ltd" or the "Company") or with our branches outside India, we collect, hold, process and transfer Personal Data2 about you (such as your name, date of birth, education, home contact information, marital status, salary, occupation and social security number) as it is necessary for the administration, management and performance of your employment or is otherwise in the legitimate interest of the Company.

Generally speaking, these Personal Data are collecte Company for employee administration and management purposes, such as:

- Administrative management of personnel (including employment agreements, offer letters, bonus plans, employees records, administering and managing the employment relationship, directory management, payroll management, leave management, travel management, expense management, timesheets for utilization, career management, immigration matters, employee mobility, transfers in and out, compensation and benefits planning and workflow management, reference check requests from third parties, Mindtree's own required reference checks and requests from customers)
- Performance assessment and evaluation, training history, etc.
- Telephony management, IT support services, management of the emails and instant messaging systems, employee's monitoring concerning the use of Internet and emails, etc.
- Operation of the information technology (IT) helpdesk and support services, IT maintenance and security and employee authentication, etc.
- Security management and access control management.
- Gathering evidence for disciplinary action, or termination.

Concerning any other purposes than listed above for which your Personal Data are processed by the Company, please refer to any related specific information notice that shall be drafted on a case-by-case basis.

```
vn  clean install -DskipTests=true
        ^
master\spring-lemon-exceptions\src\main\java\com\naturalprogrammer\spring\lemon\exceptions\MultiErrorException.java:58: warning: no @param for mes
ception validate(boolean valid,
        ^
master\spring-lemon-exceptions\src\main\java\com\naturalprogrammer\spring\lemon\exceptions\MultiErrorException.java:58: warning: no @param for arg
ception validate(boolean valid,
        ^
master\spring-lemon-exceptions\src\main\java\com\naturalprogrammer\spring\lemon\exceptions\MultiErrorException.java:58: warning: no @return
ception validate(boolean valid,
        ^
master\spring-lemon-exceptions\src\main\java\com\naturalprogrammer\spring\lemon\exceptions\util\LexUtils.java:63: warning: no @return
g getMessage(String messageKey, Object... args) {
  ^
master\spring-lemon-exceptions\src\main\java\com\naturalprogrammer\spring\lemon\exceptions\util\LexUtils.java:77: error: @param name not found
            the condition to check for

master\spring-lemon-exceptions\src\main\java\com\naturalprogrammer\spring\lemon\exceptions\util\LexUtils.java:78: error: @param name not found
y    key of the error message

master\spring-lemon-exceptions\src\main\java\com\naturalprogrammer\spring\lemon\exceptions\util\LexUtils.java:79: error: @param name not found
            any message arguments

master\spring-lemon-exceptions\src\main\java\com\naturalprogrammer\spring\lemon\exceptions\util\LexUtils.java:81: warning: no @param for <T>
oid validate(String name, T object, Class<?>... groups) {
    ^
master\spring-lemon-exceptions\src\main\java\com\naturalprogrammer\spring\lemon\exceptions\util\LexUtils.java:81: warning: no @param for name
oid validate(String name, T object, Class<?>... groups) {
    ^
master\spring-lemon-exceptions\src\main\java\com\naturalprogrammer\spring\lemon\exceptions\util\LexUtils.java:81: warning: no @param for object
oid validate(String name, T object, Class<?>... groups) {
    ^
master\spring-lemon-exceptions\src\main\java\com\naturalprogrammer\spring\lemon\exceptions\util\LexUtils.java:81: warning: no @param for groups
oid validate(String name, T object, Class<?>... groups) {
    ^
master\spring-lemon-exceptions\src\main\java\com\naturalprogrammer\spring\lemon\exceptions\util\LexUtils.java:97: warning: no @return
ErrorException validate(
              ^
master\spring-lemon-exceptions\src\main\java\com\naturalprogrammer\spring\lemon\exceptions\util\LexUtils.java:112: warning: no @return
ErrorException validate(
              ^
master\spring-lemon-exceptions\src\main\java\com\naturalprogrammer\spring\lemon\exceptions\util\LexUtils.java:122: warning: no description for @pa


master\spring-lemon-exceptions\src\main\java\com\naturalprogrammer\spring\lemon\exceptions\util\LexUtils.java:124: warning: no @param for <T>
oid ensureFound(T entity) {
    ^
master\spring-lemon-exceptions\src\main\java\com\naturalprogrammer\spring\lemon\exceptions\util\LexUtils.java:135: warning: no @return
ier<MultiErrorException> notFoundSupplier() {
                         ^
master\spring-lemon-exceptions\src\main\java\com\naturalprogrammer\spring\lemon\exceptions\util\LexUtils.java:35: warning: no description for @par
urce
```

Account Center
My Trips
My Hotels
My Profile
Happy Wallet
My Coupons
Print Ticket
Cancellation

Flight Information

Trip ID : 583777207634237417

Bangalore → Jaipur Thu, 25 Oct 2018

AirAsia I51728	BLR 16:30 Thu, 25 Oct 2018 Kempegowda Int'l Airport	→	JAI 19:15 Thu, 25 Oct 2018 Jaipur Int'l Airport	**Baggage information** Check-in:15kg/person Cabin:7kg/person

Note: Indigo (6E 2000 to 6E 2999) & SpiceJet (SG 8000 to SG 8999) expand to Delhi Airport Terminal-2 (T2) from March 25, 2018. Know more

Print & Amendment Services

Print ticket | Print invoice | Email itinerary

Cancel flights
cancel this in 3 easy steps

Change flights
Change this in 3 easy steps

Ticket Details

Bangalore → Jaipur

Name	Sector	PNR	Ticket No.	Seat No.	Status
KISHAN/RATHORE (Adult)	BLR→JAI	PI8QTR	PI8QTR	...	Upcoming

Trip Price Details

Can You Expect from This Trai

Java developers and architects interested in developing microser

-level understanding and fundamental prerequisites that should b
e to be successful with a microservice architecture.

a dive into a Java framework for implementing microservices.

uss issues around deployment, clustering, failover, and how Spri
d, NetflixOSS, ELK, Mesos/ Marathon, Docker, Kubernetes deliver
tions in these areas.

ervices are not a technology-only discussion.

itization of Technology
source is leading the charge in the technology space.

drives communities to build things like operating systems (Linux), prog
ages (Go), message queues (Apache ActiveMQ), and web servers (httpd).

en source and open ecosystems have become the norm, we're starting to s
f innovation in software technology coming directly from open source
nities
, Apache Spark, Docker, and Kubernetes).

e Organization Agility

build agile software systems, we must start with building agile organiz
uctures.

s structure will facilitate the prerequisites we need for Microservices

way's law: "organizations which design systems…are constrained to produ
igns which are copies of the communication structures of these organiza

t Is a Microservice Architectu

croservices, we can scope the boundaries of a service, which helps us:

tand what the service is doing without being tangled into other concern
tion

y build the service locally.

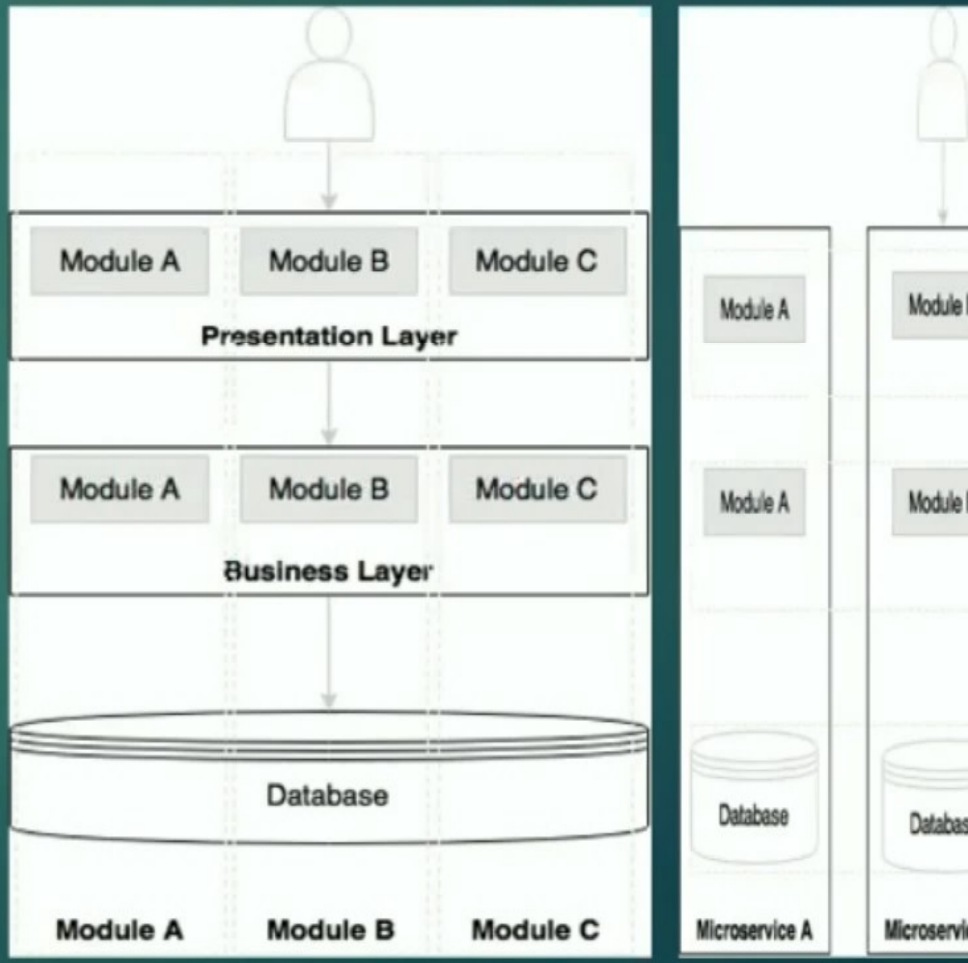
ne right technology for the problem.

ne service.

deploy/release at a cadence necessary
e business

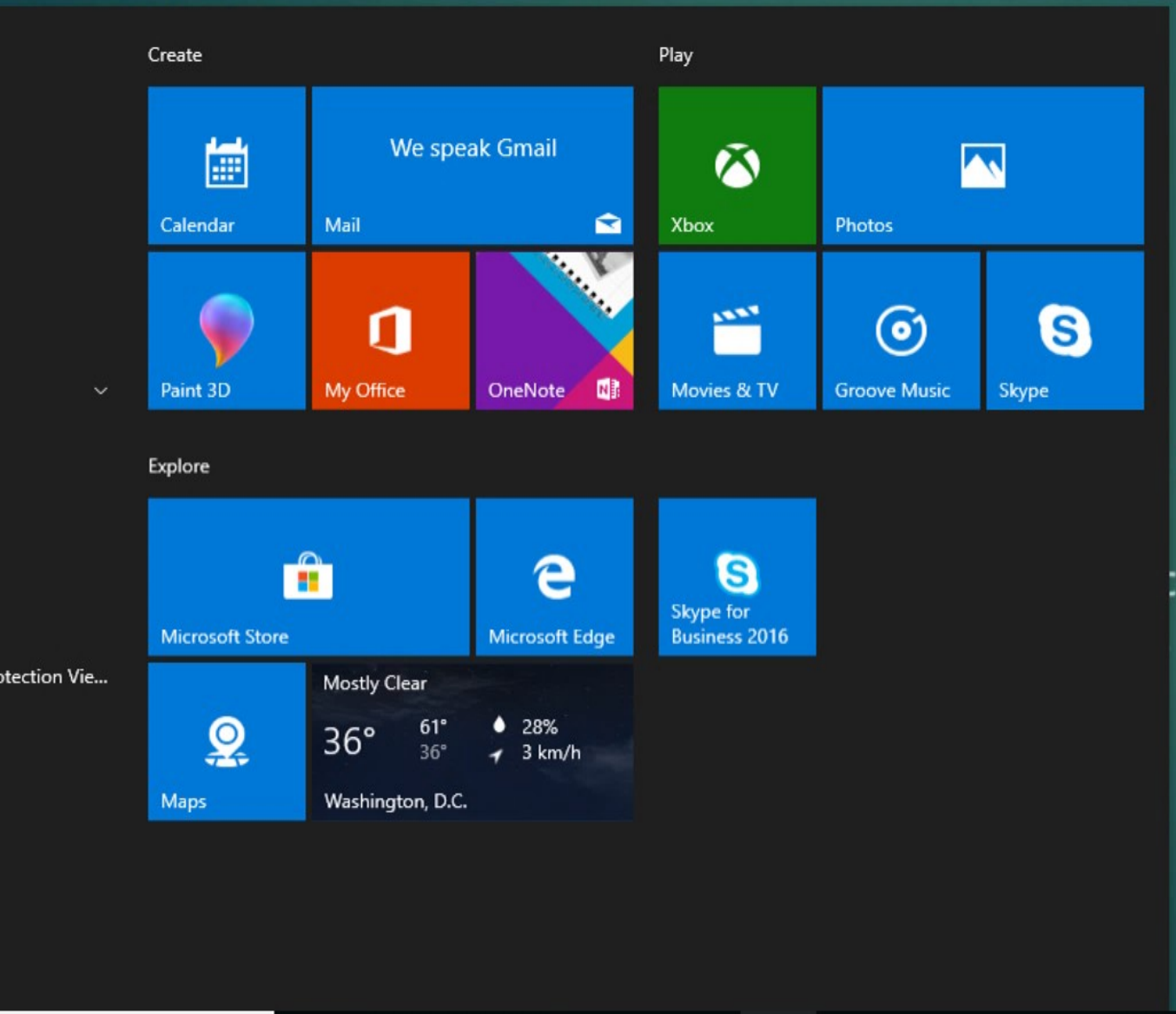
fy and horizontally scale parts of the
ecture where needed

e resiliency of the system as a whole



t Is a Microservice Architectu

rvices help solve the “how do we decouple our services and teams to move



holistically.

ransaction.

tection Vie...

t Is a Microservice Architectu

rvices help solve the “how do we decouple our services and teams to move
e?” problem

s.

not efficient.
n be more resource intensive.
ay end up with what looks like duplication.
tional complexity is a lot higher.
comes very difficult to understand the system holistically.
comes significantly harder to debug problems.
me areas you may have to relax the notion of transaction.
may not have been designed to work like this.

llenges

ng cloud-native applications following a Microservices approach require
g differently about how to build, deploy and operate them.

Design for Faults

Building distributed systems is different from building shared memo
single process, monolithic applications.

Networks are inherently unreliable.

Latent network calls can be very difficult to debug.

Design with Dependencies in Mind

Need loose coupling in our teams, in our technology, and our govern

llenges

Design with the Domain in Mind

Identify and explicitly separate the different models and ensure the
cohesive and unambiguous within their own bounded context.

A bounded context is a set of domain objects that implement a model
tries to simplify and communicate a part of the business, code, and
organization.
This deep understanding of the domain takes time.

llenges

Design with Promises in Mind

- it’s very important to keep in mind the relationship between service and service consumer.

- In the course of trying to keep a promise, it helps to have empathy f of the system and the service quality we’re trying to uphold.

Spring Boot?

g Boot has many features that make it suitable for:

oud Native Applications that follow the 12 factor patterns

oductivity increases by reducing time of development and deploym

terprise-production-ready Spring applications

n-functional requirements, such as the Spring Boot Actuator (a m
rings metrics, health checks, and management easily) and embedde
ners for running web applications (such as Tomcat, Undertow, Jet

rm “Microservices” is getting attention for creating scalable, h
ble, and robust applications, and Spring Boot fits there perfect
ng developers to focus only on the business logic and to leave t
g to the Spring Framework.

t/src/main/java/com/boot/SimpleSpringBootApplication.java - Eclipse

te Search Project Run Window Help

simple-spring-boot/pom.xml | SimpleSpringBootApplication.java ×

```
1  package com.boot;
2
3  import org.springframework.boot.SpringApplication;
4  import org.springframework.boot.autoconfigure.SpringBootApplication;
5  import org.springframework.web.bind.annotation.RequestMapping;
6  import org.springframework.web.bind.annotation.RestController;
7
8  @RestController
9  @SpringBootApplication
10 public class SimpleSpringBootApplication
11 {
12
13     public static void main(String[] args)
14     {
15         SpringApplication.run(SimpleSpringBootApplication.class, args);
16     }
17
18     @RequestMapping
19     public String index()
20     {
21         return "<h1> Hello World </h1>";
22     }
23 }
24
```

Markers | Properties | Servers | Data Source Explorer | Snippets | Console × | Progress

No consoles to display at this time.

tion.java - simple-spring-boot/src/main/java

t/src/main/java/com/boot/SimpleSpringBootApplication.java - Eclipse

te Search Project Run Window Help

simple-spring-boot/pom.xml | SimpleSpringBootApplication.java

```
4  import org.springframework.boot.autoconfigure.SpringBootApplication;
5  import org.springframework.web.bind.annotation.RequestMapping;
6  import org.springframework.web.bind.annotation.RestController;
7  import org.springframework.web.servlet.ModelAndView;
8
9  @RestController
10 @SpringBootApplication
11 public class SimpleSpringBootApplication
12 {
13
14     public static void main(String[] args)
15     {
16         SpringApplication.run(SimpleSpringBootApplication.class, args);
17     }
18
19     @RequestMapping("/")
20     public String index()
21     {
22         return "<h1> Hello World </h1>";
23     }
24
25     @RequestMapping("/message")
26     public ModelAndView welcome(ModelAndView model)
27     {
28         model.addObject("message", "Hello World");
29         model.setViewName("welcome");
30         return model;
31     }
32 }
33
```

Markers | Properties | Servers | Data Source Explorer | Snippets | Console | Progress

simple-spring-boot - SimpleSpringBootApplication [Spring Boot App] C:\Program Files\Java\jdk1.8.0_111\bin\javaw.exe (13-Nov-2017, 11:56:07 AM)

```
2017-11-13 11:56:14.152  INFO 9664 --- [           main] o.s.w.s.handler.SimpleUrlHandlerMapping  : Mapped URL path [/**] onto handler of type [
2017-11-13 11:56:14.195  INFO 9664 --- [           main] o.s.w.s.handler.SimpleUrlHandlerMapping  : Mapped URL path [/**/favicon.ico] onto handl
2017-11-13 11:56:14.226  WARN 9664 --- [           main] .t.AbstractTemplateResolverConfiguration : Cannot find template location: classpath:/te
2017-11-13 11:56:14.586  INFO 9664 --- [           main] o.s.j.e.a.AnnotationMBeanExporter        : Registering beans for JMX exposure on startu
2017-11-13 11:56:14.645  INFO 9664 --- [           main] s.b.c.e.t.TomcatEmbeddedServletContainer : Tomcat started on port(s): 8080 (http)
2017-11-13 11:56:14.651  INFO 9664 --- [           main] com.boot.SimpleSpringBootApplication     : Started SimpleSpringBootApplication in 2.872
2017-11-13 11:56:26.681  INFO 9664 --- [nio-8080-exec-1] o.a.c.c.C.[Tomcat].[localhost].[/]       : Initializing Spring FrameworkServlet 'dispat
2017-11-13 11:56:26.682  INFO 9664 --- [nio-8080-exec-1] o.s.web.servlet.DispatcherServlet        : FrameworkServlet 'dispatcherServlet': initia
2017-11-13 11:56:26.710  INFO 9664 --- [nio-8080-exec-1] o.s.web.servlet.DispatcherServlet        : FrameworkServlet 'dispatcherServlet': initia
```

Writable | Smart Insert | 23 : 6

t/src/main/resources/templates/welcome.html - Eclipse

Project Run Window Help

simple-spring-boot/pom.xml | SimpleSpringBootApplication.java | *welcome.html

```
1  <!DOCTYPE html>
2  <html xmlns:th="http://www.thymeleaf.org">
3  <head>
4  <meta charset="ISO-8859-1">
5  <title>Insert title here</title>
6  </head>
7  <body>
8
9  </body>
10 </html>
```

Markers | Properties | Servers | Data Source Explorer | Snippets | Console | Progress

simple-spring-boot - SimpleSpringBootApplication [Spring Boot App] C:\Program Files\Java\jdk1.8.0_111\bin\javaw.exe (13-Nov-2017, 11:56:07 AM)

```
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2017-11-13 11:56:14.226  WARN 9664 --- [           main] .t.AbstractTemplateResolverConfiguration : Cannot find template location: classpath:/te
2017-11-13 11:56:14.586  INFO 9664 --- [           main] o.s.j.e.a.AnnotationMBeanExporter        : Registering beans for JMX exposure on startu
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2017-11-13 11:56:26.710  INFO 9664 --- [nio-8080-exec-1] o.s.web.servlet.DispatcherServlet        : FrameworkServlet 'dispatcherServlet': initia
```

Writable | Smart Insert | 2 : 43

t/src/main/resources/templates/welcome.html - Eclipse

Project Run Window Help

simple-spring-boot/pom.xml | SimpleSpringBootApplication.java | welcome.html ×

```
1  <!DOCTYPE html>
2  <html xmlns:th="http://www.thymeleaf.org">
3  <head>
4  <meta charset="ISO-8859-1">
5  <title>Insert title here</title>
6  </head>
7  <body>
8      <h1>
9          <span th:text="${message}"></span>
10     </h1>
11 </body>
12 </html>
```

Markers | Properties | Servers | Data Source Explorer | Snippets | Console × | Progress

simple-spring-boot - SimpleSpringBootApplication [Spring Boot App] C:\Program Files\Java\jdk1.8.0_111\bin\javaw.exe (13-Nov-2017, 11:56:07 AM)

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2017-11-13 11:56:26.710  INFO 9664 --- [nio-8080-exec-1] o.s.web.servlet.DispatcherServlet        : FrameworkServlet 'dispatcherServlet': initia
```

Writable | Smart Insert | 9 : 36

Spring Boot?

g Boot has many features that make it suitable for:

oud Native Applications that follow the 12 factor patterns

oductivity increases by reducing time of development and deploym

terprise-production-ready Spring applications

n-functional requirements, such as the Spring Boot Actuator (a m
rings metrics, health checks, and management easily) and embedde
ners for running web applications (such as Tomcat, Undertow, Jet

rm “Microservices” is getting attention for creating scalable, h
ble, and robust applications, and Spring Boot fits there perfect
ng developers to focus only on the business logic and to leave t
g to the Spring Framework.

ring Boot Features

SpringApplication class. In a Java Spring Boot application, th
od executes this singleton class. This particular class provides
enient way to initiate a Spring application.

ng Boot allows you to create applications without requiring any
iguration. Spring Boot doesn't generate code.

ng Boot is an "opinionated" technology.

ng Boot allows you to execute code after the application has sta

ng Boot allows you to externalize configurations by using an
ication.properties or application.yml file.

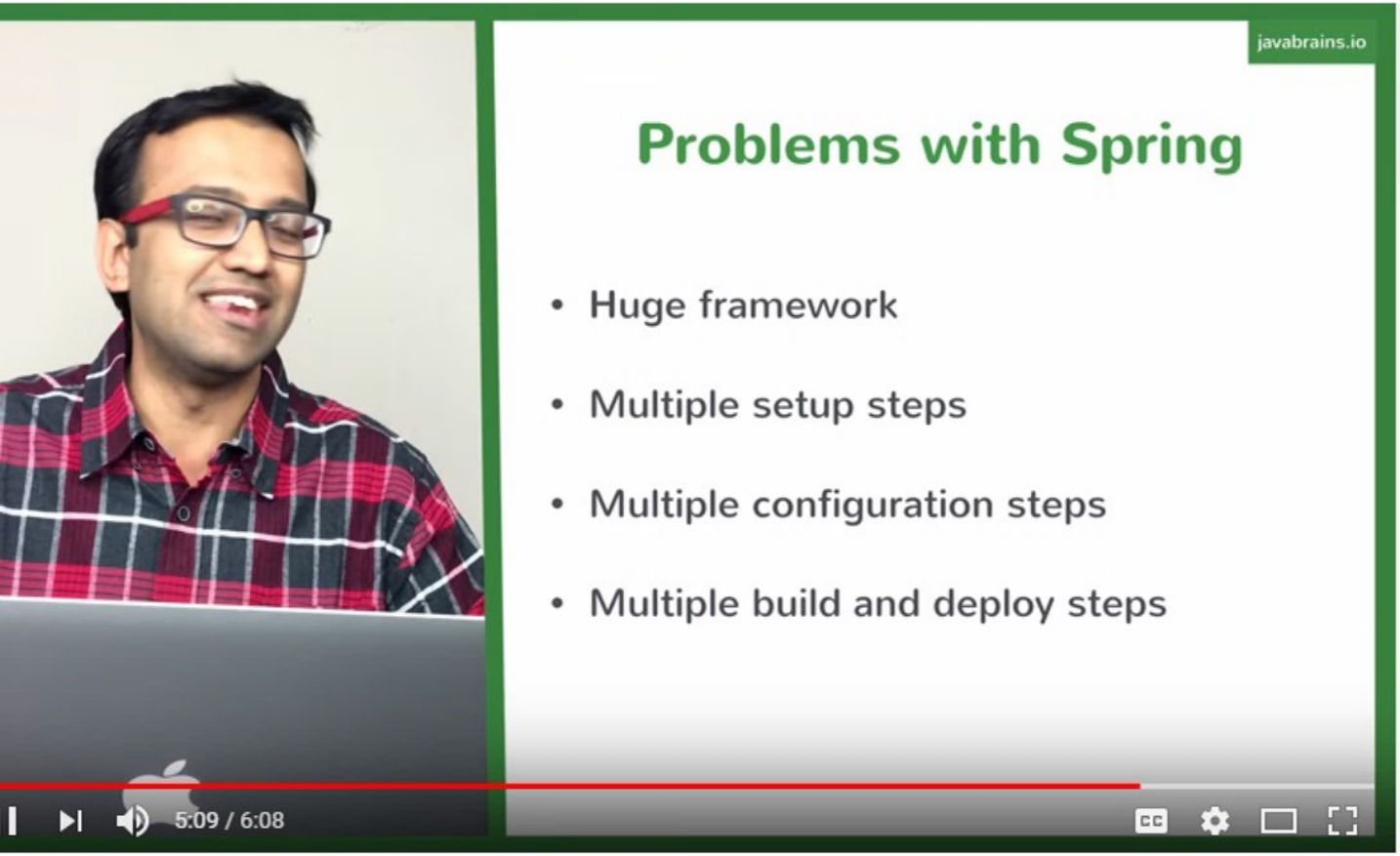
ng Boot allows you to have profiles that will help your applicat
ifferent environments.

ng Boot provides a simple way to configure and manage your deper
sing starter poms

ring Boot Features

ng Boot provides out-of-the-box non-functional requirements by u
ng Boot Actuator

ng Boot provides @Enable<feature> annotations that help you to
igure, and use technologies like databases (SQL and NoSQL), cach
duling, messaging, Spring integration, Spring cloud, and more.



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Spring Boot Quick Start 4 - Spring and some of its problems
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5

Spring Boot Quick Start 5 - What Spring Boot gives us
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6

Spring Boot Quick Start 6 - Setting Up Development Environment
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Spring Boot Quick Start 7 - Maven
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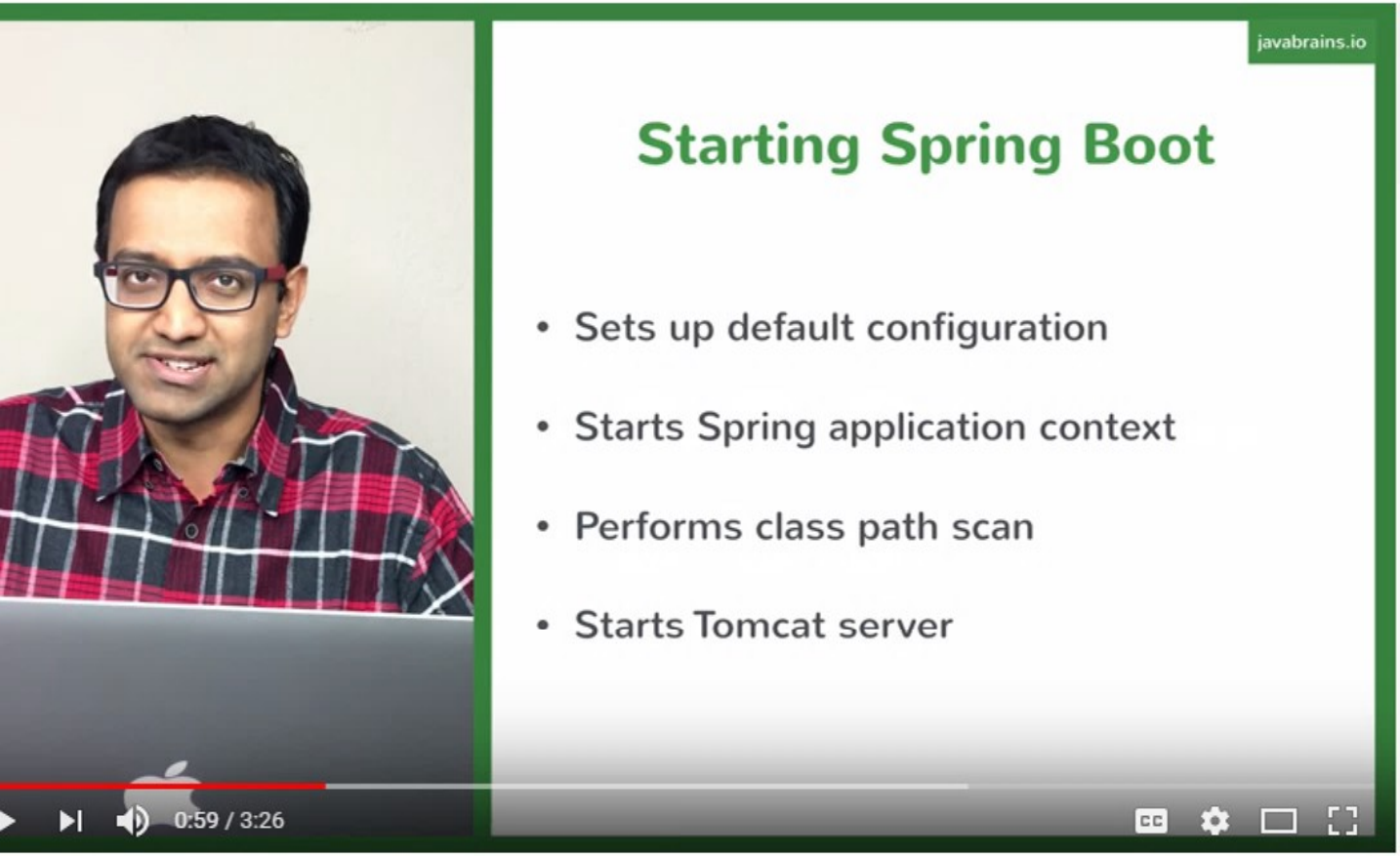
Here's a quick introduction to Spring, some of it's strengths (and possible weaknesses too!)



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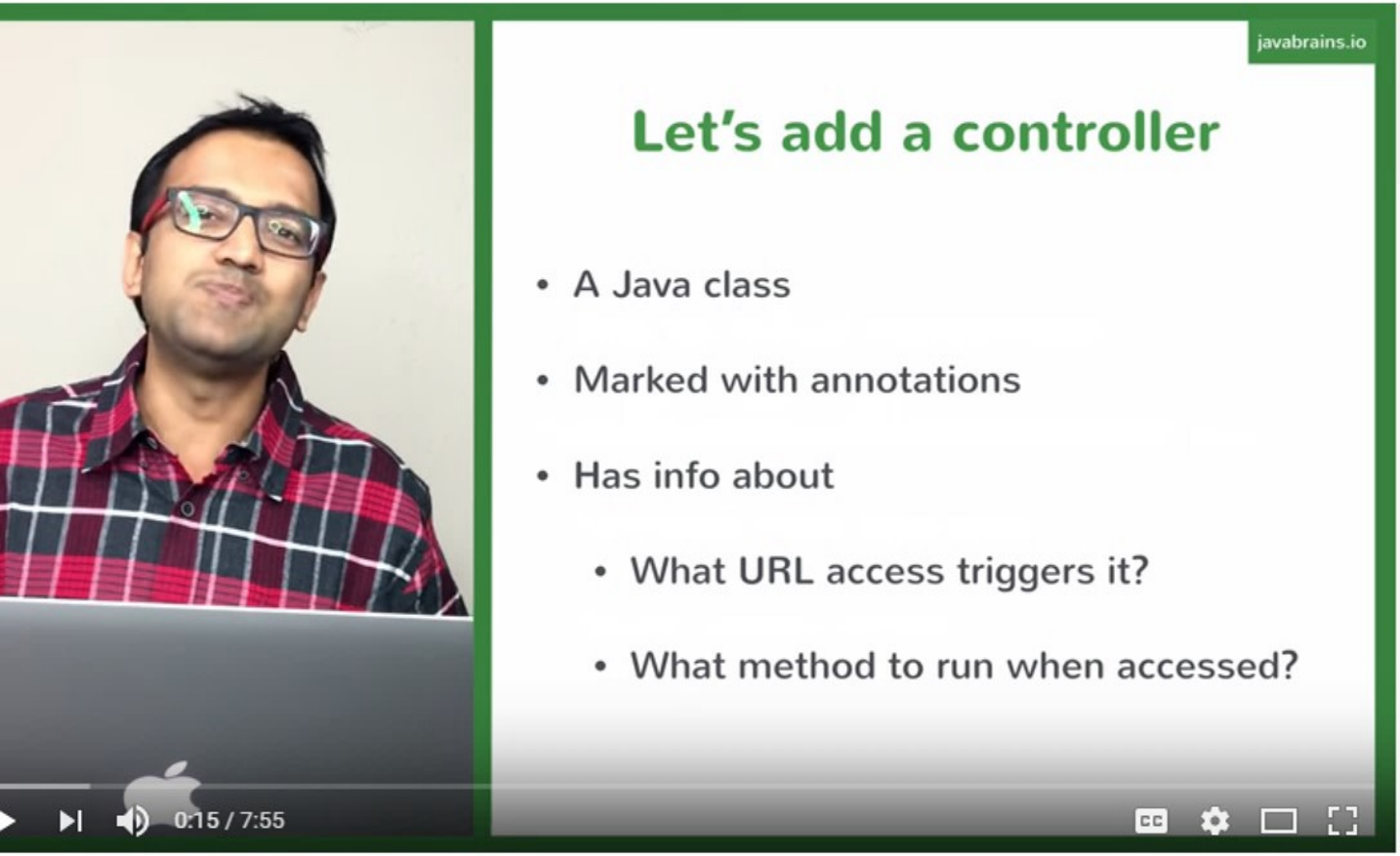
In this video, we'll examine some of the steps that happened when Spring Boot started up.



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▶ Spring Boot Quick Start 11 - Adding a REST Controller
Java Brains

12 Spring Boot Quick Start 12 - Returning Objects From Controller
Java Brains

13 Spring Boot Quick Start 13 - What's Happening Here: Bill Of Materials
Java Brains

14 Spring Boot Quick Start 14 - What's Happening Here: Embedded Servlet
Java Brains

15 Spring Boot Quick Start 15 - How Spring MVC Works
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16 Spring Boot Quick Start 16 - The REST API we'll build
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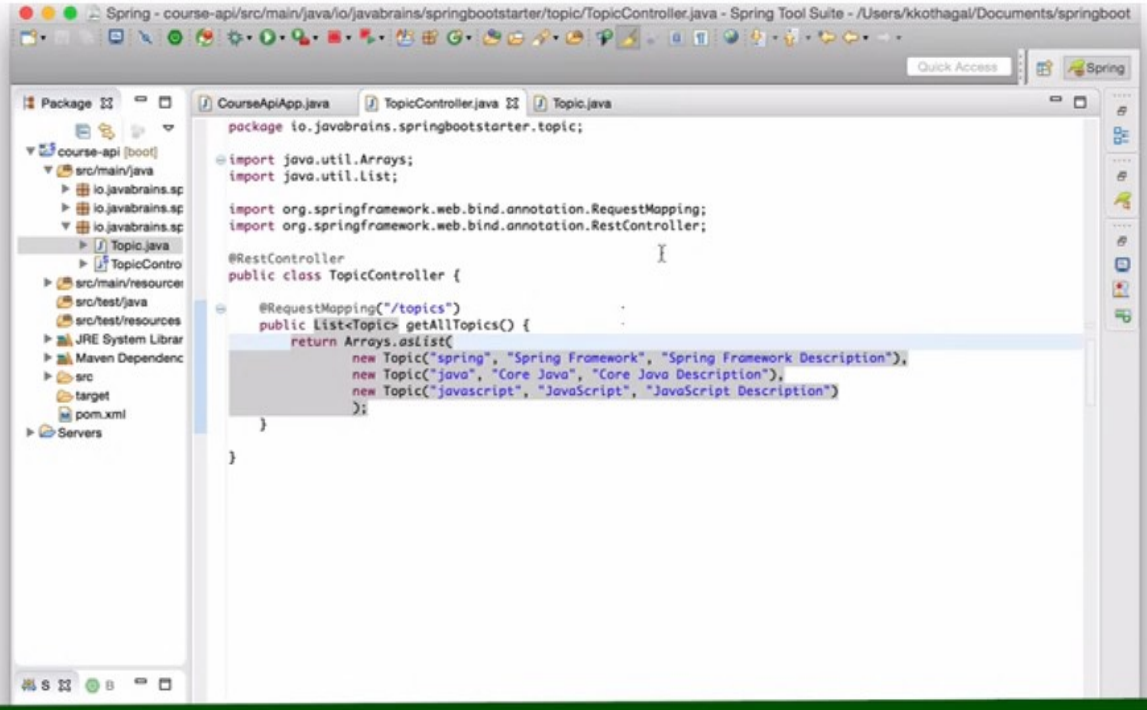
Learn how to create a new REST endpoint by creating a brand new Spring MVC controller.



The generated JSON has key names corresponding to property names of the Topic class. The JSON values are the values of those properties.

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Spring Boot Quick Start

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oot Quick Start 12 - Returning Objects From Controller

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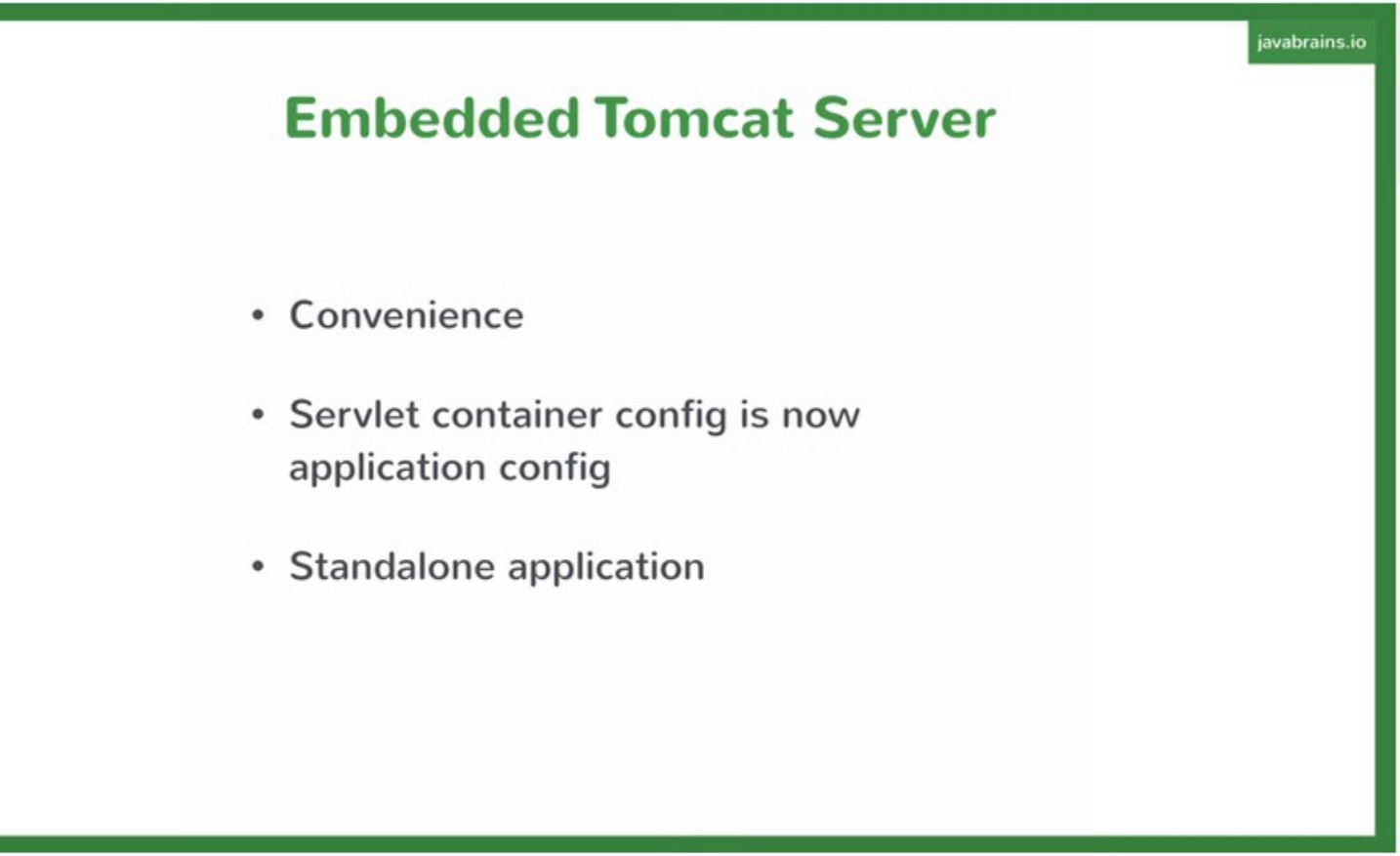
Return a JSON payload from your REST API endpoint by returning objects from your Spring MVC



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13 Bill of materials 3:41 Java Brains
▶ Understanding Embedded Servlet Container 3:17 Spring Boot Quick Start 14 - What's Happening Here: Embedded Servlet Container — Java Brains
15 How Spring MVC works 4:31 Spring Boot Quick Start 15 - How Spring MVC Works — Java Brains
16 The REST API we'll build 4:41 Spring Boot Quick Start 16 - The REST API we'll build — Java Brains
17 Creating a business service 6:04 Spring Boot Quick Start 17 - Creating a business service — Java Brains
18 Getting a single resource 6:31 Spring Boot Quick Start 18 - Getting a single resource — Java Brains
Spring Boot Quick Start 19 - Creating a new

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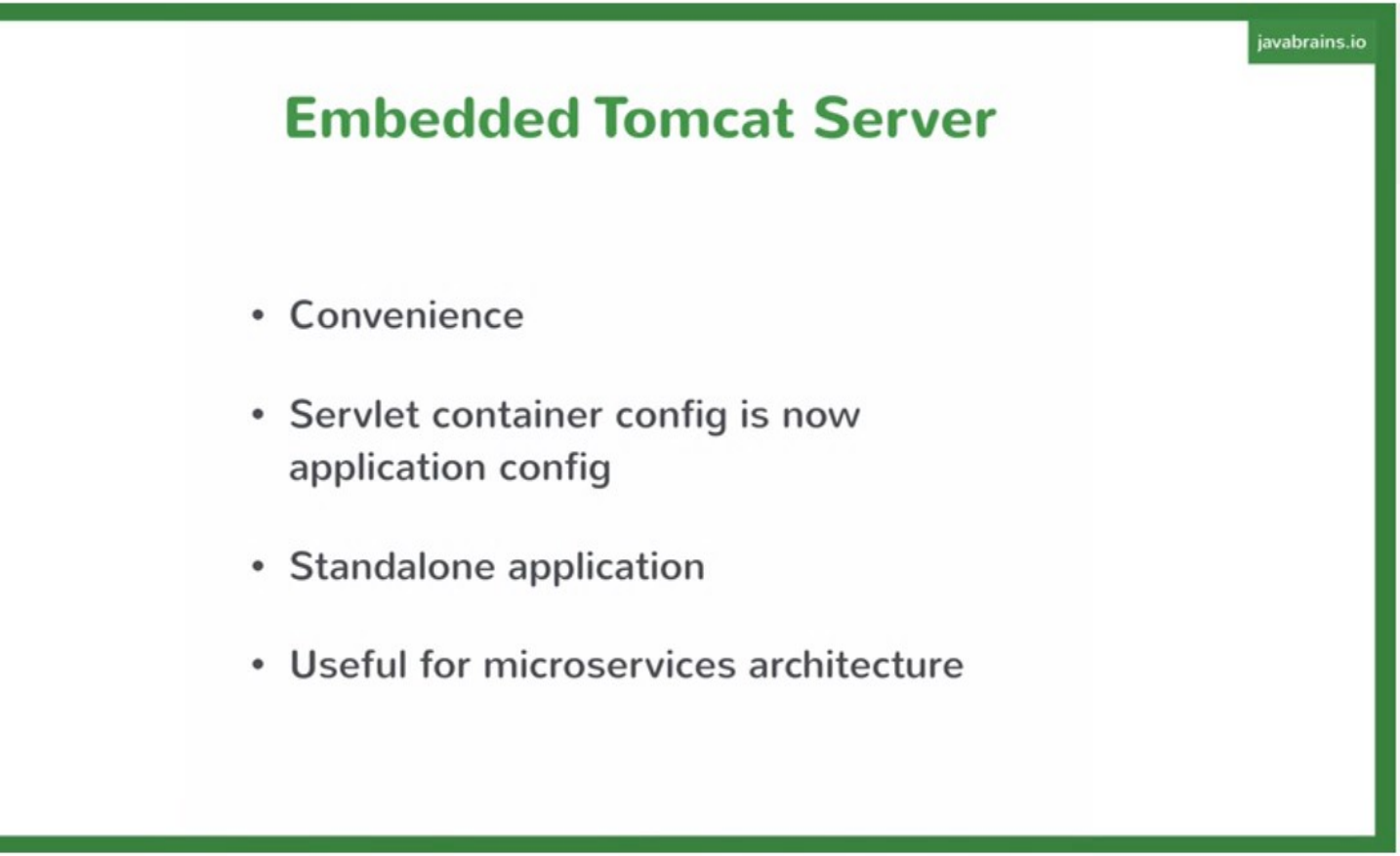
PBkczcFs&list=PLqq-6Pq4ITTbx8p2oCgcAQGQyqN8XeA1x&index=16 dded Tomcat Servlet container. We'll



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13 Bill of materials 3:41 Java Brains
Understanding Embedded Servlet Container 3:17 Spring Boot Quick Start 14 - What's Happening Here: Embedded Servlet Container Java Brains
15 How Spring MVC works 4:31 Spring Boot Quick Start 15 - How Spring MVC Works Java Brains
16 The REST API we'll build 4:41 Spring Boot Quick Start 16 - The REST API we'll build Java Brains
17 Creating a business service 6:04 Spring Boot Quick Start 17 - Creating a business service Java Brains
18 Getting a single resource 6:31 Spring Boot Quick Start 18 - Getting a single resource Java Brains
Spring Boot Quick Start 19 - Creating a

oot Quick Start 14 - What's Happening Here: Embedded Servlet Container

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In this "What's happening here" video, we'll look at the Embedded Tomcat Servlet container. We'll

Pages - | Yorbit | What is | Vert.x - | What is | SpringP | SpringP | Sprin | Maven | java - S | mongoc

/www.youtube.com/watch?v=KcFPBkczcFs&list=PLqq-6Pq4lTTbx8p2oCgcAQGQyqN8XeA1x&index=16&pbjreload=10%3Futm_campaign%3D

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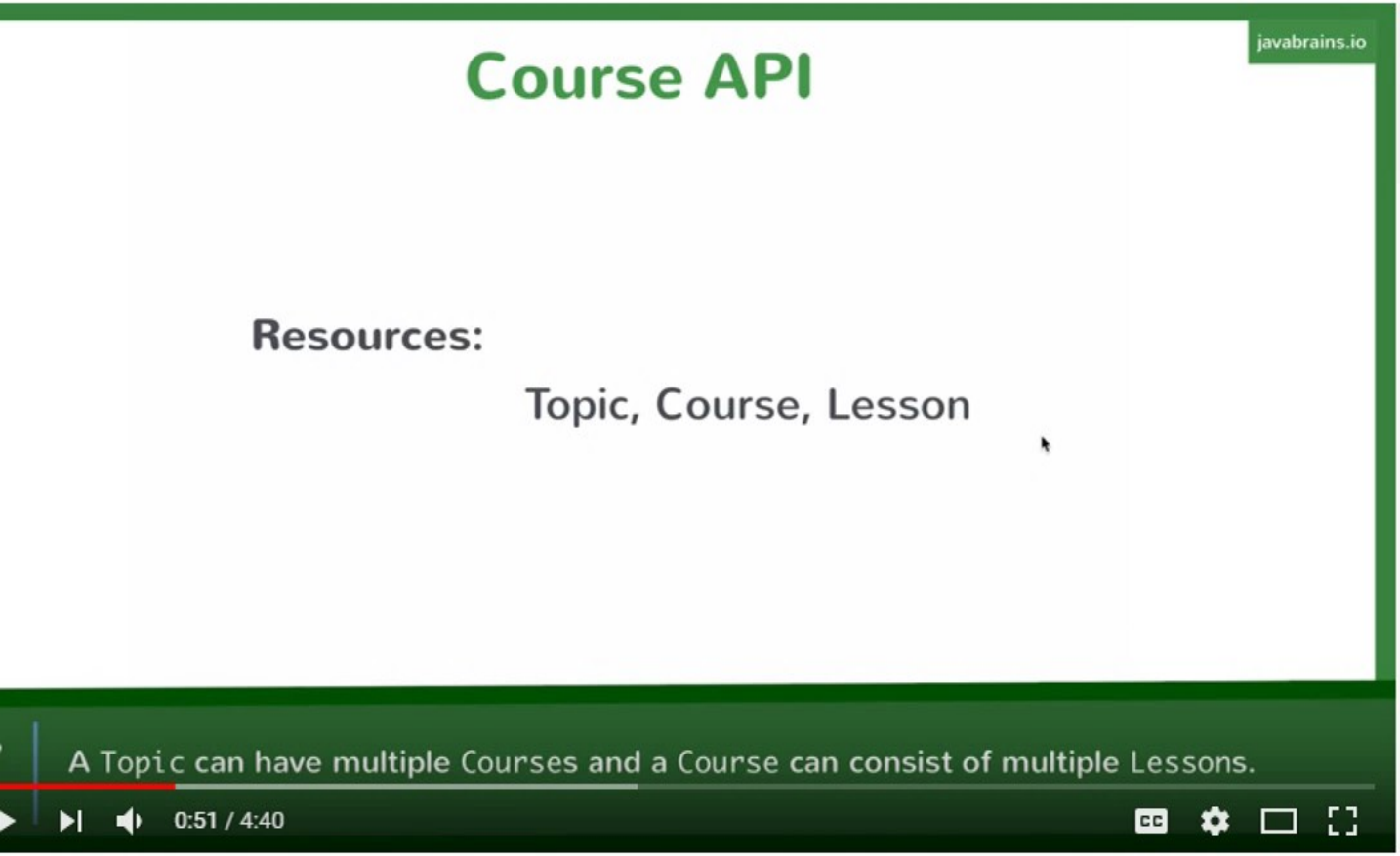

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Spring Boot Quick Start 16 - The REST API we'll build

Java Brains

17 

Spring Boot Quick Start 17 - Creating a business service

Java Brains

18 

Spring Boot Quick Start 18 - Getting a single resource

Java Brains

19 

Spring Boot Quick Start 19 - Creating a new resource using POST

Java Brains

20 

Spring Boot Quick Start 20 - Implement Update and Delete

Java Brains

21 

Spring Boot Quick Start 21 - Unit Overvi

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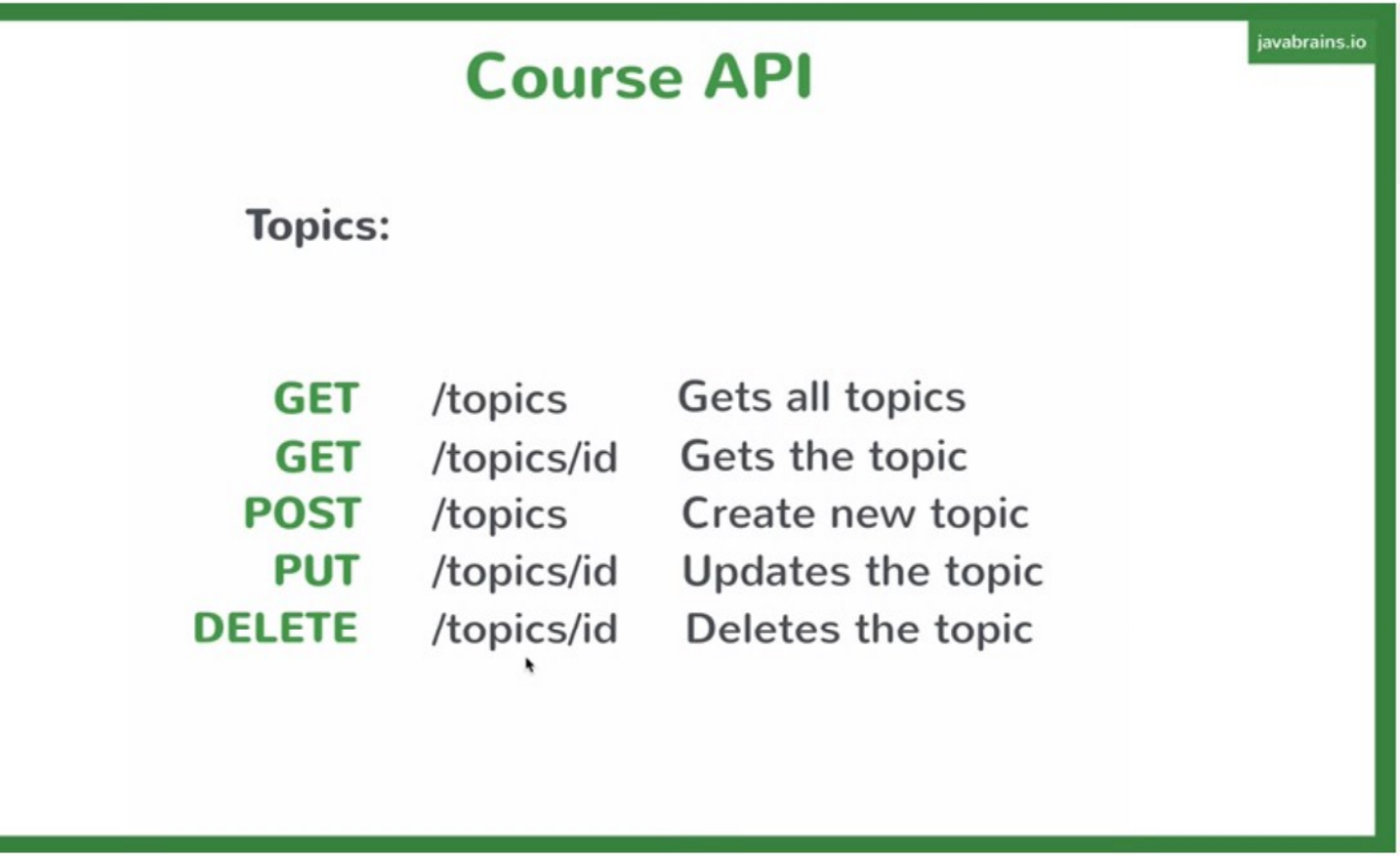
Let's quickly go over the API we'll be building - what the resources and the methods are.



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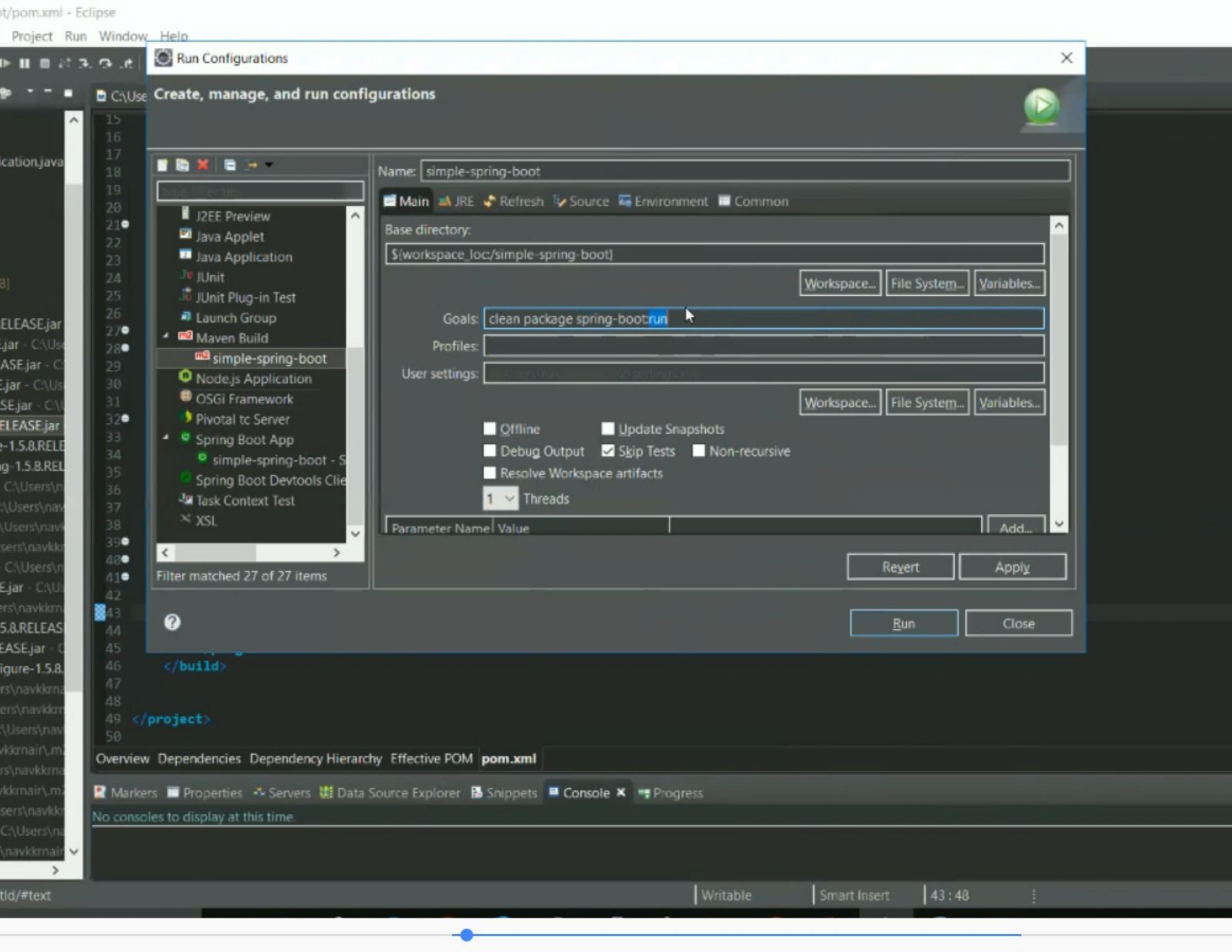
Let's quickly go over the API we'll be building - what the resources and the methods are.


Run Configurations
Create, manage, and run configurations
Name: simple-spring-boot
Main
JRE
Refresh
Source
Environment
Common
Base directory:
${workspace_loc:/simple-spring-boot}
Workspace...
File System...
Variables...
Goals: clean package spring-boot:run
Profiles:
User settings:
Workspace...
File System...
Variables...
Offline
Update Snapshots
Debug Output
Skip Tests
Non-recursive
Resolve Workspace artifacts
1
Threads
Parameter Name
Value
Add...
Revert
Apply
Run
Close
J2EE Preview
Java Applet
Java Application
JUnit
JUnit Plug-in Test
Launch Group
Maven Build
simple-spring-boot
Node.js Application
OSGi Framework
Pivotal tc Server
Spring Boot App
simple-spring-boot - S
Spring Boot Devtools Clie
Task Context Test
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Filter matched 27 of 27 items
Project Run Window Help
Overview Dependencies Dependency Hierarchy Effective POM pom.xml
Markers Properties Servers Data Source Explorer Snippets Console Progress
No consoles to display at this time.
Writable
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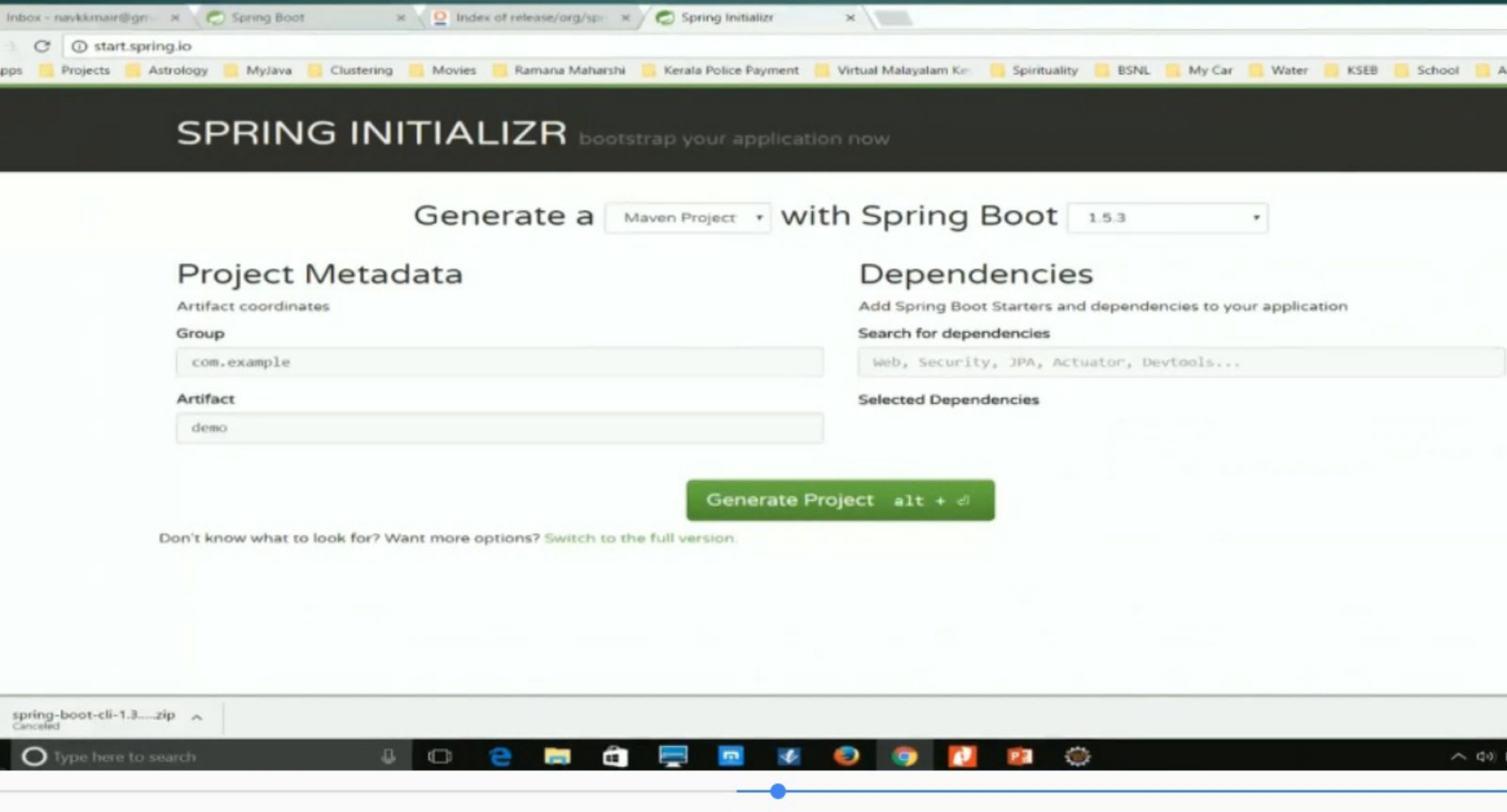
43 : 48

ring Boot using External tool

ing Boot Using the Spring Initializr

://start.spring.io/ (It’s hosted by Pivotal WebServices.)



al-1/src/main/java/com/spring/SpringBootJournalApplication.java - Eclipse

te Search Project Run Window Help

Journal.java | spring-boot-journal-1/pom.... | JournalRepository.java | JpaRepository.class | JournalController.java | index.html | *SpringBootJournalApplicati...

```java
package com.spring;

import org.springframework.beans.factory.InitializingBean;

@SpringBootApplication
public class SpringBootJournalApplication
{
    //

    @Bean
    InitializingBean saveData(JournalRepository repo)
    {
        return () ->
        {
            repo.save(new Journal("Get to know Spring Boot", "Today I will learn Spring Boot", "01/01/2016"));
            repo.save(new Journal("Simple Spring Boot Project", "I will do my first Spring Boot Project", "01/02/2016"));
            repo.save(new Journal("Spring Boot Reading", "Read more about Spring Boot", "02/01/2016"));
            repo.save(new Journal("Spring Boot in the Cloud", "Spring Boot using Cloud Foundry", "03/01/2016"));
        };
    }

    public static void main(String[] args)
    {
        SpringApplication.run(SpringBootJournalApplication.class, args);
    }
}
```

Markers | Properties | Servers | Data Source Explorer | Snippets | Console | Progress

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w Spring Boot works

```
org.springframework.boot.autoconfigure;
et(ElementType.TYPE)
tion(RetentionPolicy.RUNTIME)
ented
ited
gBootConfiguration
eAutoConfiguration
onentScan
 @interface SpringBootApplication {
Class<?>[] exclude() default {};
String[] excludeName() default {};
@AliasFor(annotation = ComponentScan.class, attribute = "basePackages")
String[] scanBasePackages() default {};
@AliasFor(annotation = ComponentScan.class, attribute = "basePackageClasse
Class<?>[] scanBasePackageClasses() default {};
```

al-1/src/main/java/com/spring/SpringBootJournalApplication.java - Eclipse

te Search Project Run Window Help

*SpringBootJournalApplication.java × spring-boot-journal-1/pom.xml

```
1  package com.spring;
2
3  import org.springframework.beans.factory.InitializingBean;
11
12 @EnableAutoConfiguration(exclude=)
13 @SpringBootApplication
14 public class SpringBootJournalApplication
15 {
16
17     @Bean
18     InitializingBean saveData(JournalRepository repo)
19     {
20         return () ->
21         {
22             repo.save(new Journal("Get to know Spring Boot", "Today I will learn Spring Boot", "01/01/2016"));
23             repo.save(new Journal("Simple Spring Boot Project", "I will do my first Spring Boot Project", "01/02/2016"));
24             repo.save(new Journal("Spring Boot Reading", "Read more about Spring Boot", "02/01/2016"));
25             repo.save(new Journal("Spring Boot in the Cloud", "Spring Boot using Cloud Foundry", "03/01/2016"));
26         };
27     }
28
29     public static void main(String[] args)
30     {
31         SpringApplication.run(SpringBootJournalApplication.class, args);
32     }
33 }
34
```

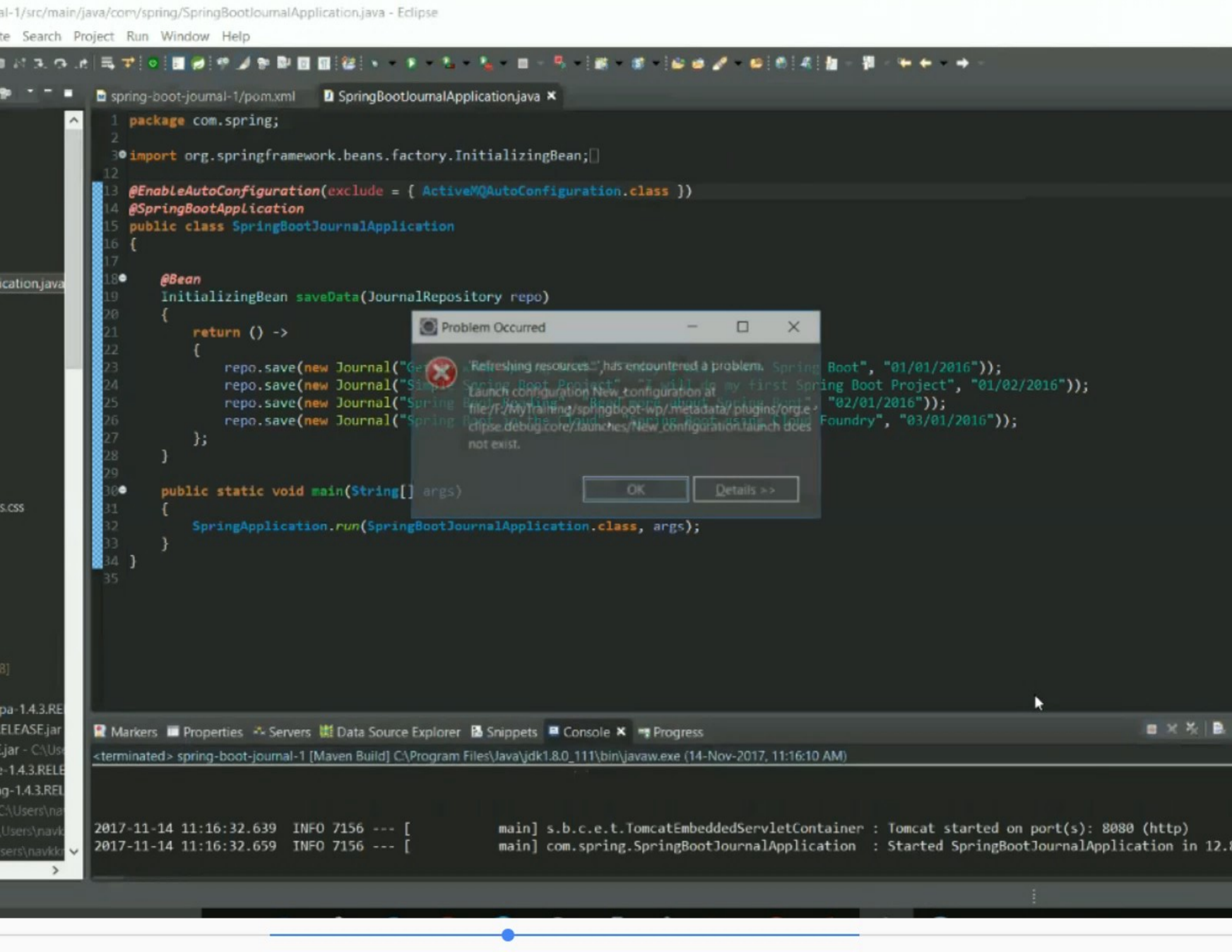
Markers Properties Servers Data Source Explorer Snippets Console × Progress

New_configuration [Maven Build] C:\Program Files\Java\jdk1.8.0_111\bin\javaw.exe (14-Nov-2017, 11:16:10 AM)

```
        - @ConditionalOnBean (types: org.springframework.boot.jta.XADataSourceWrapper; SearchStrategy: all) did not find any beans (OnBeanCond
    Matched:
        - @ConditionalOnClass found required classes 'javax.sql.DataSource', 'javax.transaction.TransactionManager', 'org.springframework.jdbc


Exclusions:
```

Writable | Smart Insert | 12 : 34


al-1/src/main/java/com/spring/SpringBootJournalApplication.java - Eclipse
te Search Project Run Window Help
spring-boot-journal-1/pom.xml
SpringBootJournalApplication.java
1 package com.spring;
2
3 import org.springframework.beans.factory.InitializingBean;
12
13 @EnableAutoConfiguration(exclude = { ActiveMQAutoConfiguration.class })
14 @SpringBootApplication
15 public class SpringBootJournalApplication
16 {
17
18 @Bean
19 InitializingBean saveData(JournalRepository repo)
20 {
21 return () ->
22 {
23 repo.save(new Journal("Ge
24 repo.save(new Journal("Si
25 repo.save(new Journal("Spring
26 repo.save(new Journal("Spring
27 };
28 }
29
30 public static void main(String[] args)
31 {
32 SpringApplication.run(SpringBootJournalApplication.class, args);
33 }
34 }
35
Boot", "01/01/2016"));
my first Spring Boot Project", "01/02/2016"));
"02/01/2016"));
Foundry", "03/01/2016"));
Problem Occurred
'Refreshing resources...' has encountered a problem.
Launch configuration New_configuration at file:/F:/MyTraining/springboot-wp/.metadata/.plugins/org.eclipse.debug.core/.launches/New_configuration.launch does not exist.
OK
Details >>
Markers Properties Servers Data Source Explorer Snippets Console Progress
<terminated> spring-boot-journal-1 [Maven Build] C:\Program Files\Java\jdk1.8.0_111\bin\javaw.exe (14-Nov-2017, 11:16:10 AM)
2017-11-14 11:16:32.639 INFO 7156 --- [main] s.b.c.e.t.TomcatEmbeddedServletContainer : Tomcat started on port(s): 8080 (http)
2017-11-14 11:16:32.659 INFO 7156 --- [main] com.spring.SpringBootJournalApplication : Started SpringBootJournalApplication in 12.

al-1/src/main/java/com/spring/SpringBootJournalApplication.java - Eclipse

te Search Project Run Window Help

spring-boot-journal-1/pom.xml SpringBootJournalApplication.java ×

```
1  package com.spring;
2
3  import org.springframework.beans.factory.InitializingBean;
12
13 @EnableAutoConfiguration(exclude = { ActiveMQAutoConfiguration.class })
14 @SpringBootApplication
15 public class SpringBootJournalApplication
16 {
17
18     @Bean
19     InitializingBean saveData(JournalRepository repo)
20     {
21         return () ->
22         {
23             repo.save(new Journal("Get to know Spring Boot", "Today I will learn Spring Boot", "01/01/2016"));
24             repo.save(new Journal("Simple Spring Boot Project", "I will do my first Spring Boot Project", "01/02/2016"));
25             repo.save(new Journal("Spring Boot Reading", "Read more about Spring Boot", "02/01/2016"));
26             repo.save(new Journal("Spring Boot in the Cloud", "Spring Boot using Cloud Foundry", "03/01/2016"));
27         };
28     }
29
30     public static void main(String[] args)
31     {
32         SpringApplication.run(SpringBootJournalApplication.class, args);
33     }
34 }
35
```

Markers Properties Servers Data Source Explorer Snippets Console × Progress

<terminated> spring-boot-journal-1 [Maven Build] C:\Program Files\Java\jdk1.8.0_111\bin\javaw.exe (14-Nov-2017, 11:16:10 AM)

```
2017-11-14 11:16:32.639  INFO 7156 --- [           main] s.b.c.e.t.TomcatEmbeddedServletContainer : Tomcat started on port(s): 8080 (http)
2017-11-14 11:16:32.659  INFO 7156 --- [           main] com.spring.SpringBootJournalApplication  : Started SpringBootJournalApplication in 12.
```

al-1/src/main/java/com/spring/SpringBootJournalApplication.java - Eclipse

te Search Project Run Window Help

spring-boot-journal-1/pom.xml | SpringBootJournalApplication.java ×

```java
package com.spring;

import org.springframework.beans.factory.InitializingBean;

@EnableAutoConfiguration(exclude = { ActiveMQAutoConfiguration.class })
@SpringBootApplication
public class SpringBootJournalApplication
{

    @Bean
    InitializingBean saveData(JournalRepository repo)
    {
        return () ->
        {
            repo.save(new Journal("Get to know Spring Boot", "Today I will learn Spring Boot", "01/01/2016"));
            repo.save(new Journal("Simple Spring Boot Project", "I will do my first Spring Boot Project", "01/02/2016"));
            repo.save(new Journal("Spring Boot Reading", "Read more about Spring Boot", "02/01/2016"));
            repo.save(new Journal("Spring Boot in the Cloud", "Spring Boot using Cloud Foundry", "03/01/2016"));
        };
    }

    public static void main(String[] args)
    {
        SpringApplication.run(SpringBootJournalApplication.class, args);
    }
}
```

Markers | Properties | Servers | Data Source Explorer | Snippets | Console × | Progress

spring-boot-journal-1 [Maven Build] C:\Program Files\Java\jdk1.8.0_111\bin\javaw.exe (14-Nov-2017, 11:22:55 AM)

```
Exclusions:
-----------

    org.springframework.boot.autoconfigure.jms.activemq.ActiveMQAutoConfiguration


Unconditional classes:
----------------------

    org.springframework.boot.autoconfigure.PropertyPlaceholderAutoConfiguration

    org.springframework.boot.autoconfigure.web.WebClientAutoConfiguration
```

Writable | Smart Insert | 29 : 1

al-1/src/main/java/com/spring/SpringBootJournalApplication.java - Eclipse

te Search Project Run Window Help

spring-boot-journal-1/pom.xml | SpringBootJournalApplication.java

```java
package com.spring;

import org.springframework.beans.factory.InitializingBean;

@EnableAutoConfiguration(exclude = { ActiveMQAutoConfiguration.class })
@SpringBootApplication
public class SpringBootJournalApplication
{

    @Bean
    InitializingBean saveData(JournalRepository repo)
    {
        return () ->
        {
            repo.save(new Journal("Get to know Spring Boot", "Today I will learn Spring Boot", "01/01/2016"));
            repo.save(new Journal("Simple Spring Boot Project", "I will do my first Spring Boot Project", "01/02/2016"));
            repo.save(new Journal("Spring Boot Reading", "Read more about Spring Boot", "02/01/2016"));
            repo.save(new Journal("Spring Boot in the Cloud", "Spring Boot using Cloud Foundry", "03/01/2016"));
        };
    }

    public static void main(String[] args)
    {
        SpringApplication.run(SpringBootJournalApplication.class, args);
    }
}
```

Markers | Properties | Servers | Data Source Explorer | Snippets | Console | Progress

spring-boot-journal-1 [Maven Build] C:\Program Files\Java\jdk1.8.0_111\bin\javaw.exe (14-Nov-2017, 11:22:55 AM)

```
Exclusions:
-----------

    org.springframework.boot.autoconfigure.jms.activemq.ActiveMQAutoConfiguration


Unconditional classes:
----------------------

    org.springframework.boot.autoconfigure.PropertyPlaceholderAutoConfiguration

    org.springframework.boot.autoconfigure.web.WebClientAutoConfiguration
```

/abacus.rblbank.com/DigiAqui/apps/services/www/DigiAqui/desktopbrowser/default/thankYou.html

RBL BANK
apno ka bank

Personal Info — Review — E-Signature — Saving Account

1 — 2 — 3 — 4

Congrats! Your Savings Account has been created successfully. These details have been sent to your email id.

Savings Account Number	Customer ID	IFSC code of Branch	Branch details
309005894363	101880409	RATN0000195	JP NAGAR, BANGALORE

- For any further assistance related to your account please call Customer Service on 1800 123 8040
- Download RBL MoBank
  - Go to Google Play Store/ App Store/ Windows Phone Store and search for the "RBL MoBank" App
  - Download and install it on your smart phone

Springboot Testing.zip Spring Boot examp....zip

duction. It is a Hibernate feature (and has nothing to do with Spring).

.3 Initialize a Database

ing Boot can automatically create the schema (DDL scripts) of your `DataSource` and initialize it (DML scripts). It loads SQL from the standard root classpath ations: `schema.sql` and `data.sql`, respectively. In addition, Spring Boot processes the `schema-${platform}.sql` and `data-${platform}.sql` files (if present) ere `platform` is the value of `spring.datasource.platform`. This allows you to switch to database-specific scripts if necessary. For example, you might choose to it to the vendor name of the database (`hsqldb`, `h2`, `oracle`, `mysql`, `postgresql`, and so on).

ing Boot automatically creates the schema of an embedded `DataSource`. This behavior can be customized by using the `ring.datasource.initialization-mode` property (and it can also be `always` or `never`).

default, Spring Boot enables the fail-fast feature of the Spring JDBC initializer. This means that, if the scripts cause exceptions, the application fails to start. You can e that behavior by setting `spring.datasource.continue-on-error`.

In a JPA-based app, you can choose to let Hibernate create the schema or use `schema.sql`, but you cannot do both. Make sure to disable `spring.jpa.hibernate.ddl-auto` if you use `schema.sql`.

.4 Initialize a Spring Batch Database

ou use Spring Batch, it comes pre-packaged with SQL initialization scripts for most popular database platforms. Spring Boot can detect your database type and cute those scripts on startup. If you use an embedded database, this happens by default. You can also enable it for any database type, as shown in the following mple:

```
ring.batch.initialize-schema=always
```

can also switch off the initialization explicitly by setting `spring.batch.initialize-schema=never`.

.5 Use a Higher-level Database Migration Tool

ing Boot supports two higher-level migration tools: Flyway and Liquibase.

The `GreeterServiceImpl` class is annotated with the `@Service` annotation, so that Spring will identify it as a service. It has auto-wired into it a `MessageChannel` named `helloWorldChannel`. Because the name of the channel matches the one defined in the `applicationContext.xml` file, Spring will just find it for you. If you wanted to override that name, you could add a `@Qualifier` annotation to the `MessageChannel` to give it the name of the channel bean with which you want to communicate. When the `GreeterServiceImpl`'s `greet()` method is invoked, it creates and sends a message to the `helloWorldChannel`.

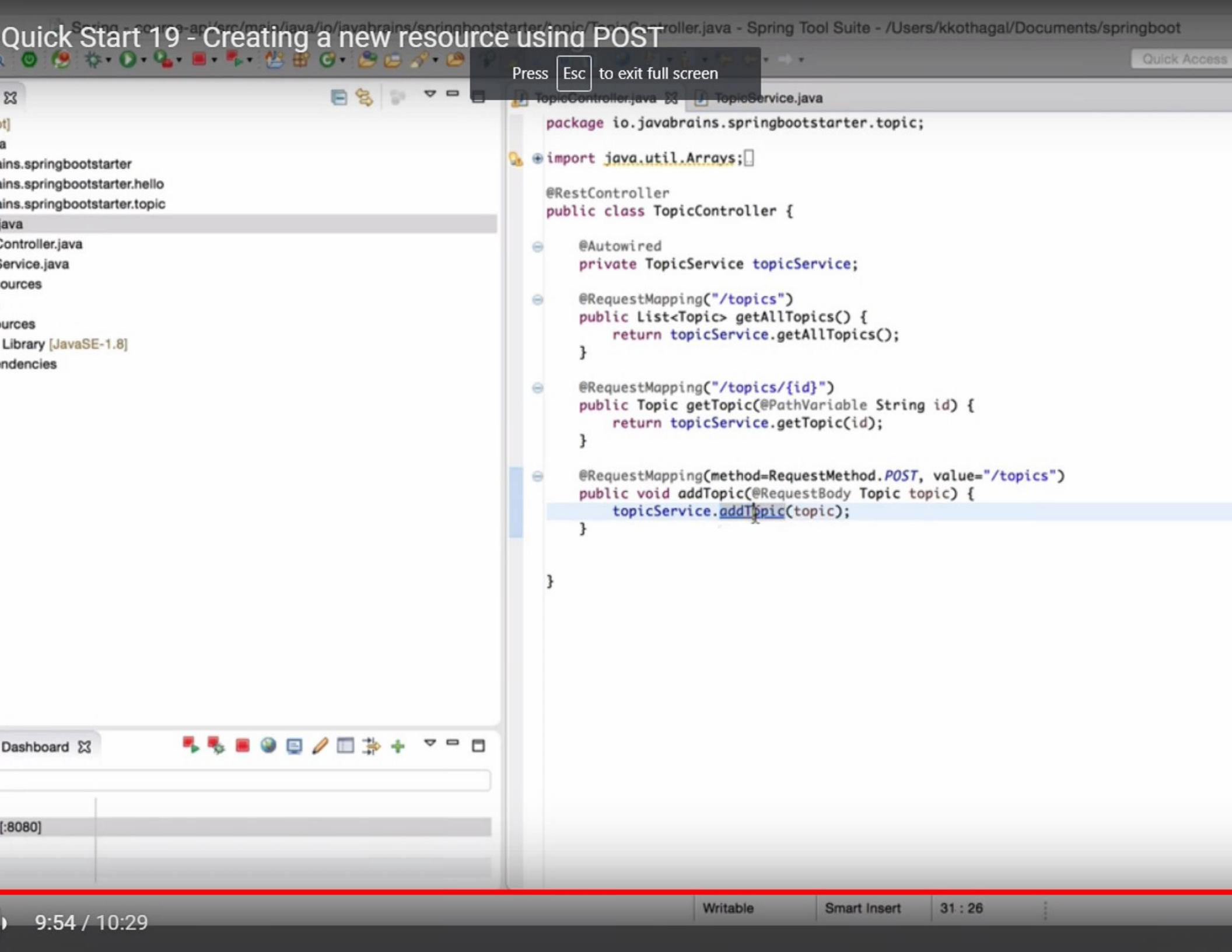
The `MessageChannel` is an interface that defines two variants of the `send()` method: one that accepts a timeout and one that does not (which can, depending on the implementation, block indefinitely). The `MessageBuilder` class, an implementation of the Builder design pattern, helps you build `Message`s. In this case, we passed `MessageBuilder` a single `String`, but it could be used to specify message headers, expiration dates, priority, correlation IDs, reply and error channels, and more. Once we're finished configuring the `MessageBuilder`, invoking the `build()` method returns a `Message` that can be sent to any channel.

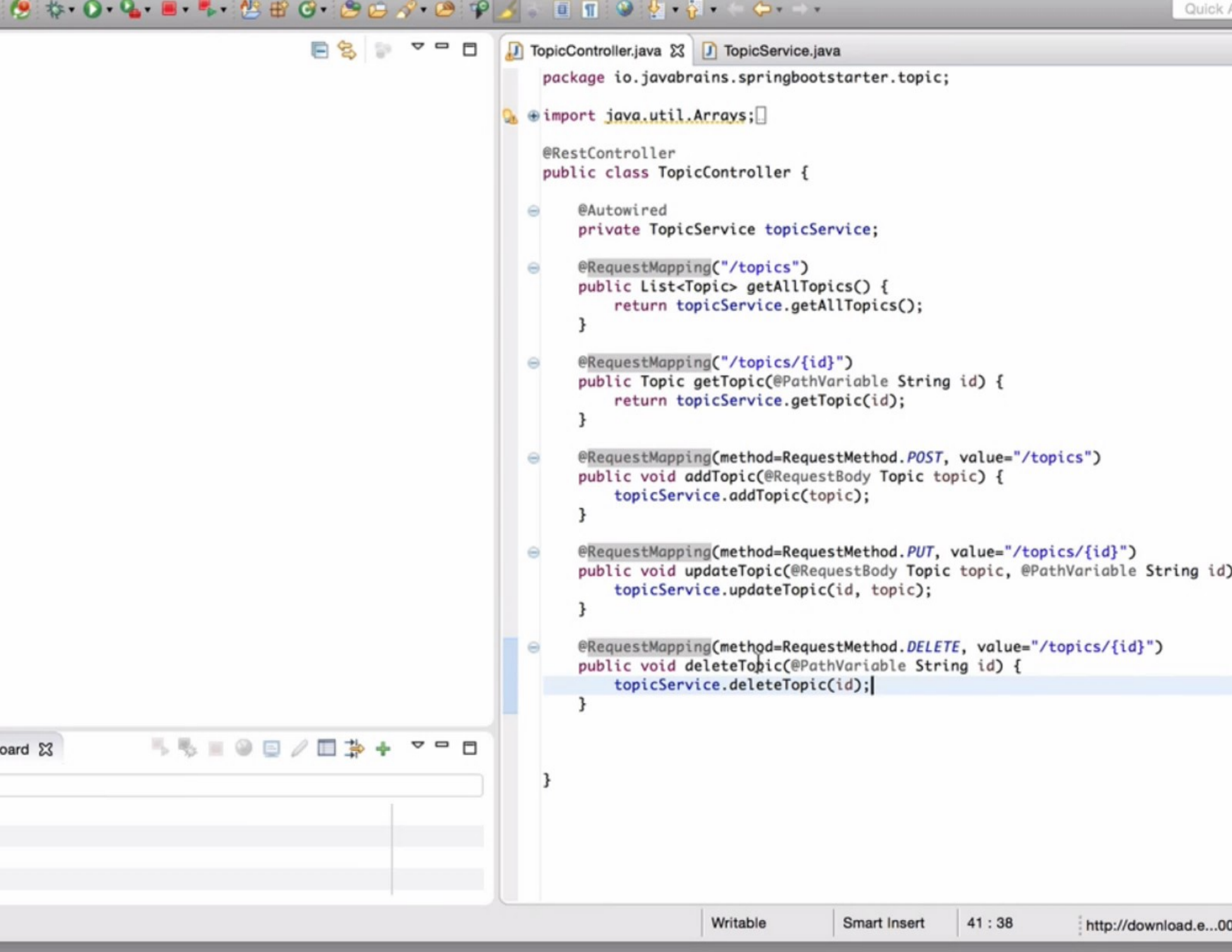
Listing 6 shows the source code for a command-line application that pulls all of our code together.

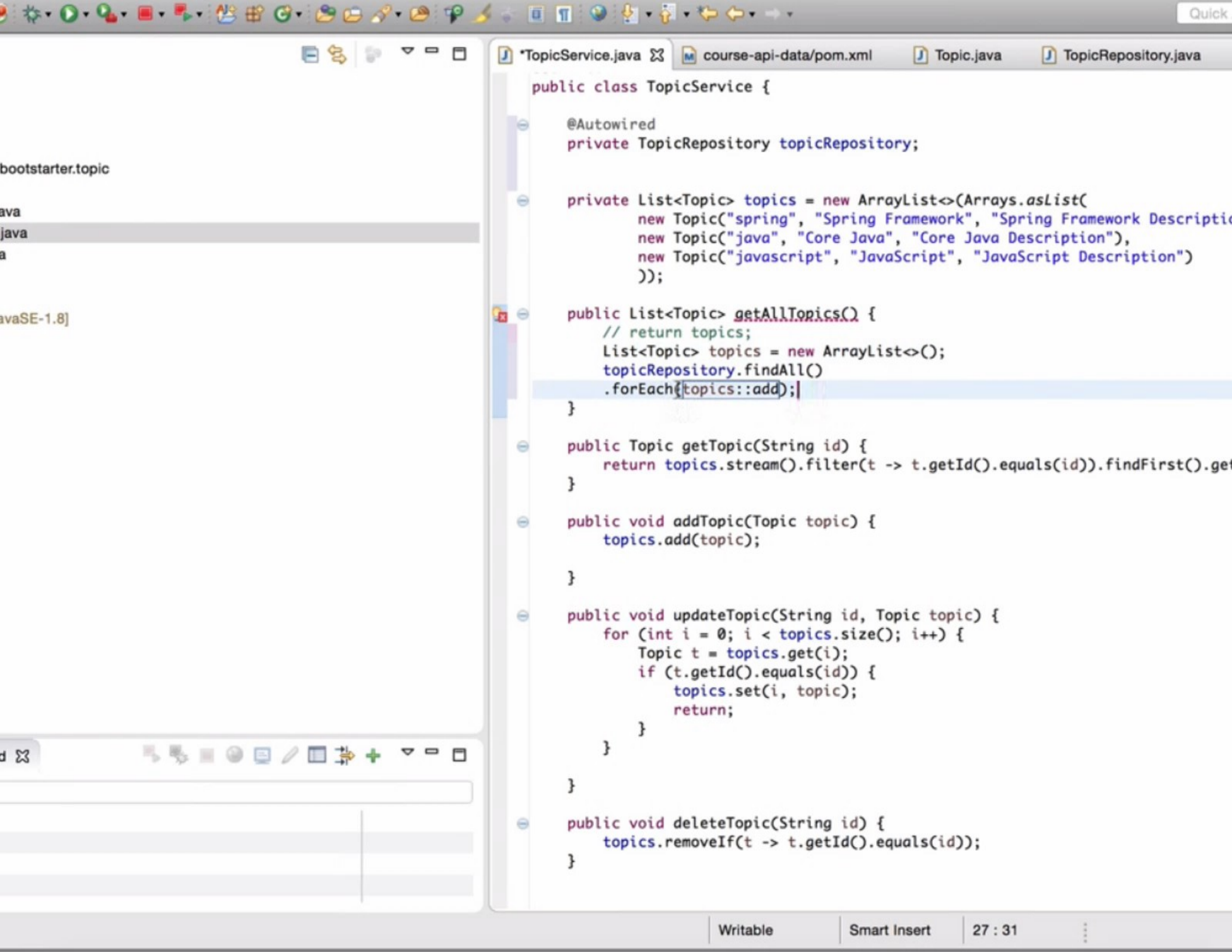
Listing 6. App.java

```
package com.geekcap.springintegrationexample.main;
```

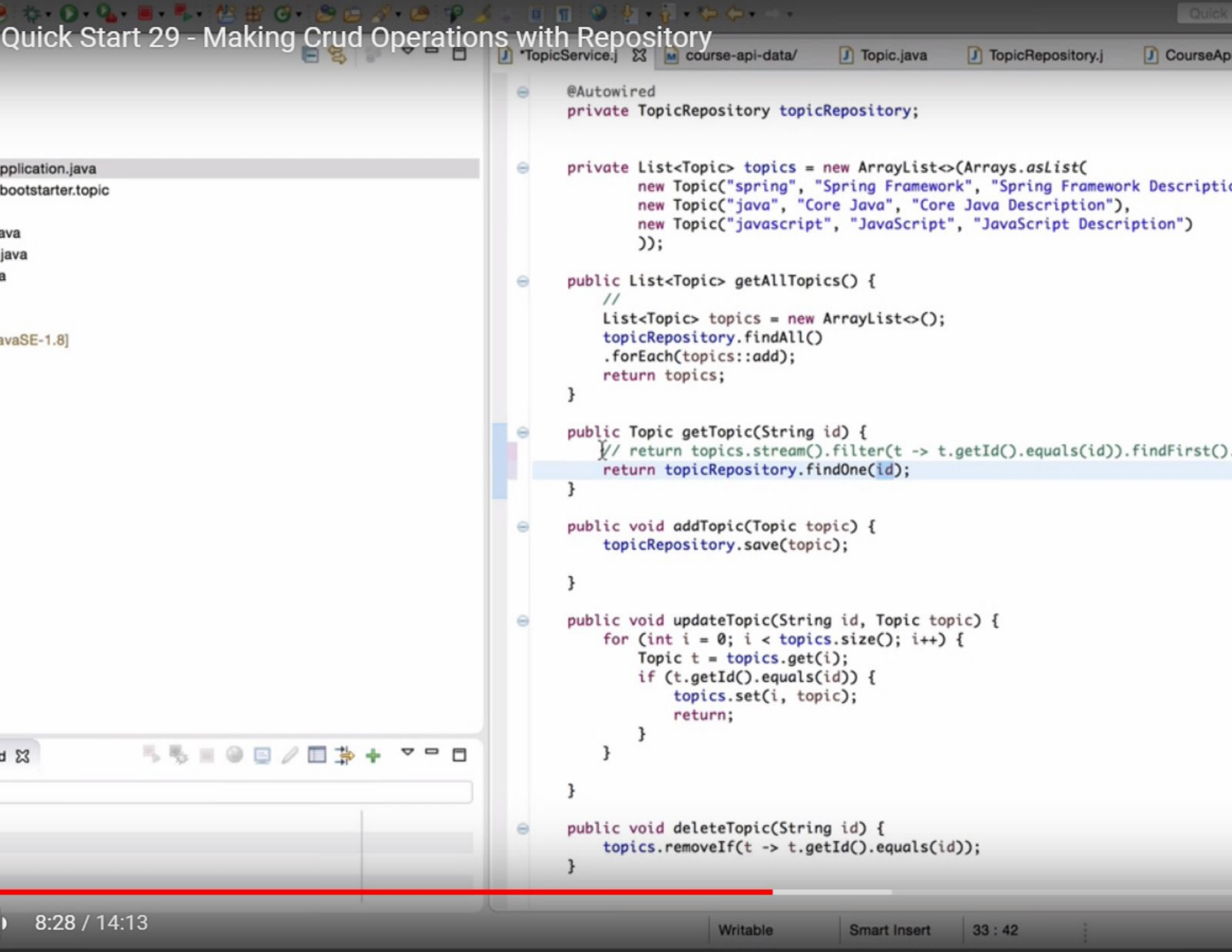
Quick Start 19 - Creating a new resource using POST



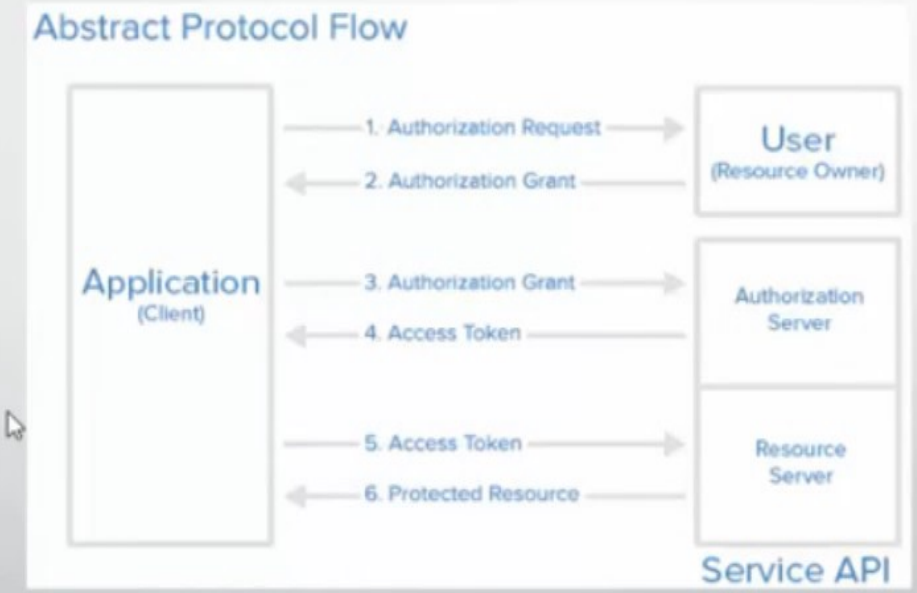

TopicController.java
TopicService.java
package io.javabrains.springbootstarter.topic;
import java.util.Arrays;
@RestController
public class TopicController {
@Autowired
private TopicService topicService;
@RequestMapping("/topics")
public List<Topic> getAllTopics() {
return topicService.getAllTopics();
}
@RequestMapping("/topics/{id}")
public Topic getTopic(@PathVariable String id) {
return topicService.getTopic(id);
}
@RequestMapping(method=RequestMethod.POST, value="/topics")
public void addTopic(@RequestBody Topic topic) {
topicService.addTopic(topic);
}
@RequestMapping(method=RequestMethod.PUT, value="/topics/{id}")
public void updateTopic(@RequestBody Topic topic, @PathVariable String id)
topicService.updateTopic(id, topic);
}
@RequestMapping(method=RequestMethod.DELETE, value="/topics/{id}")
public void deleteTopic(@PathVariable String id) {
topicService.deleteTopic(id);
}
}
Writable
Smart Insert
41 : 38

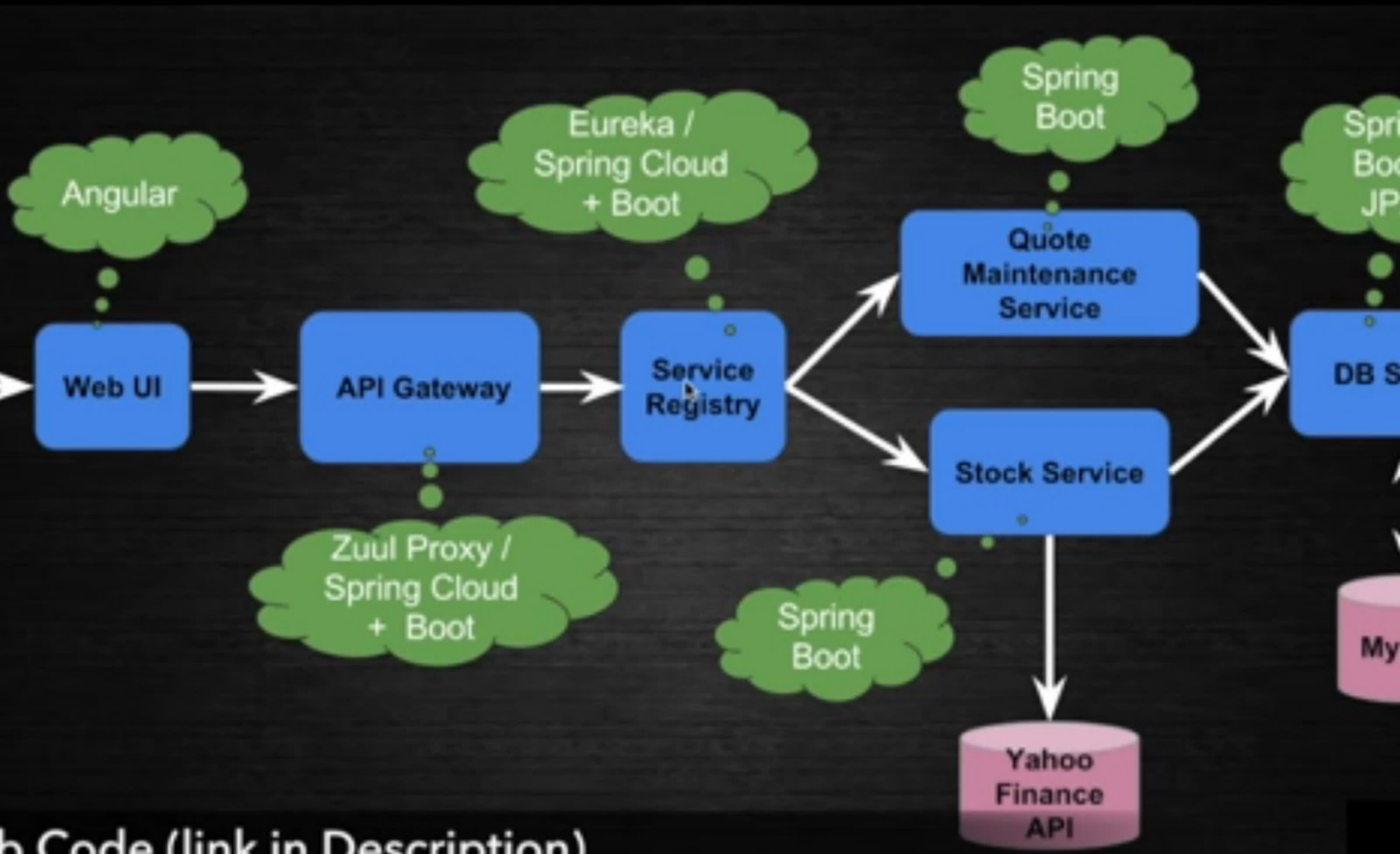

*TopicService.java
course-api-data/pom.xml
Topic.java
TopicRepository.java
bootstarter.topic
ava
java
a
avaSE-1.8]
public class TopicService {
@Autowired
private TopicRepository topicRepository;
private List<Topic> topics = new ArrayList<>(Arrays.asList(
new Topic("spring", "Spring Framework", "Spring Framework Descriptio
new Topic("java", "Core Java", "Core Java Description"),
new Topic("javascript", "JavaScript", "JavaScript Description")
));
public List<Topic> getAllTopics() {
// return topics;
List<Topic> topics = new ArrayList<>();
topicRepository.findAll()
.forEach(topics::add);
}
public Topic getTopic(String id) {
return topics.stream().filter(t -> t.getId().equals(id)).findFirst().get
}
public void addTopic(Topic topic) {
topics.add(topic);
}
public void updateTopic(String id, Topic topic) {
for (int i = 0; i < topics.size(); i++) {
Topic t = topics.get(i);
if (t.getId().equals(id)) {
topics.set(i, topic);
return;
}
}
}
public void deleteTopic(String id) {
topics.removeIf(t -> t.getId().equals(id));
}
Writable
Smart Insert
27 : 31

Quick Start 29 - Making Crud Operations with Repository



How does Oauth2 work

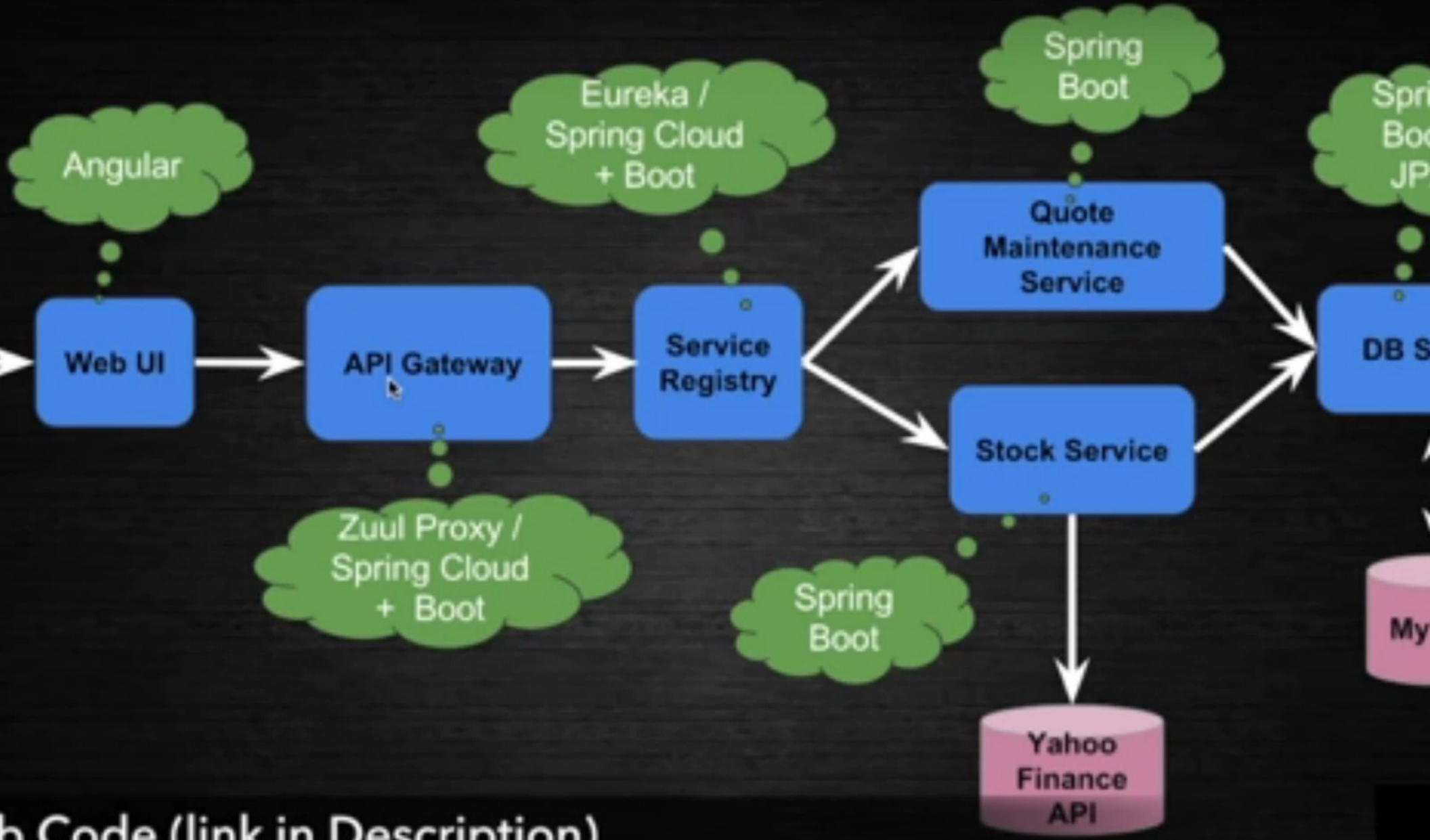




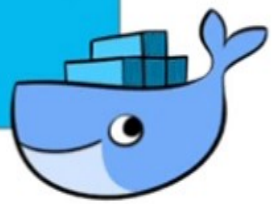
b Code (link in Description)

github.com/TechPrimers/stock-price-viewer-microservices-part1

services using Spring Boot, Spring Cloud, Eureka and Zuul | # 1 | Tech Primers



Docker makes the process of application deployment very easy and efficient and resolves a lot of issues related to deploying applications



Docker for Beginners

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INTRODUCTION TO DOCKER

00.44.

What is DOCKER

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00.06.01

How DOCKER works ?

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00.04.20

Benefits of DOCKER

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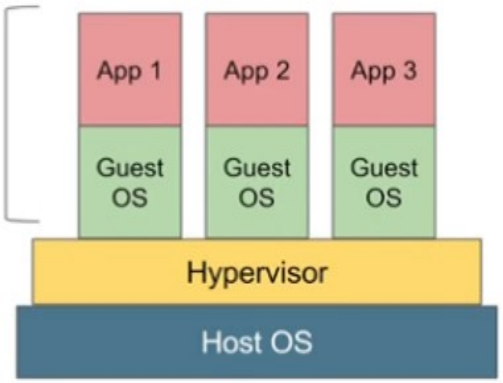
r Beginner Tutorial 2 - How DOCKER works ?



VMs - resource allocation is fixed and does not change as per application needs

Virtualization

2:05 / 4:19 YouTube

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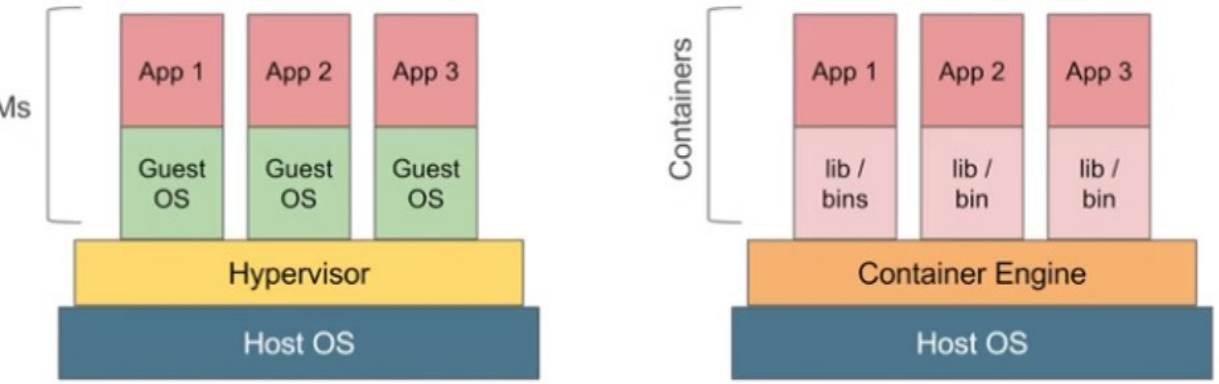

Containers are light weight alternative to VMs

Virtualization

Containerization

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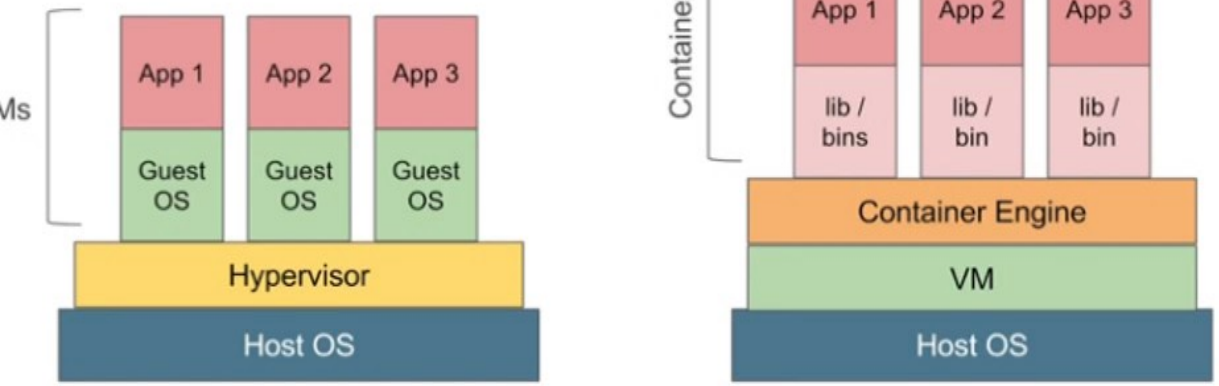

Virtualization

Containerization

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Docker has a client-server architecture

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Source : YouTube
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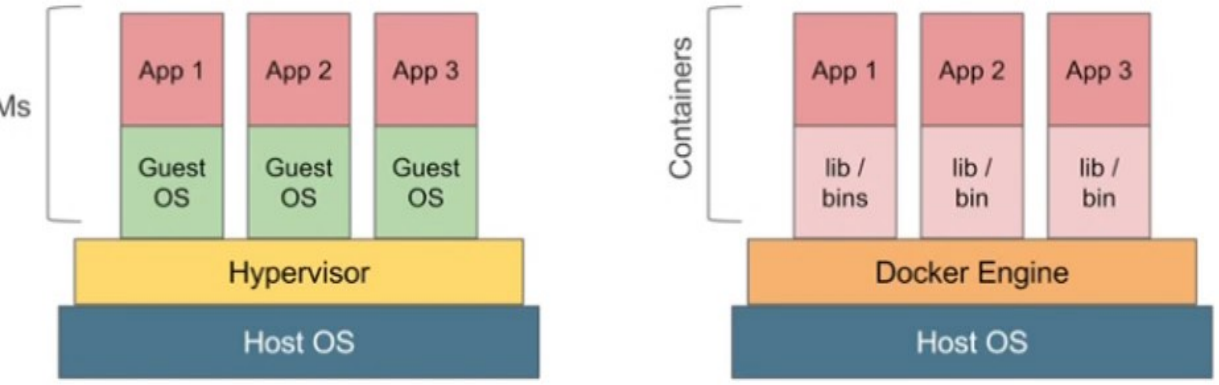

Virtualization Containerization

2:57 / 4:19 YouTube

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How to install DOCKER on LINUX ?
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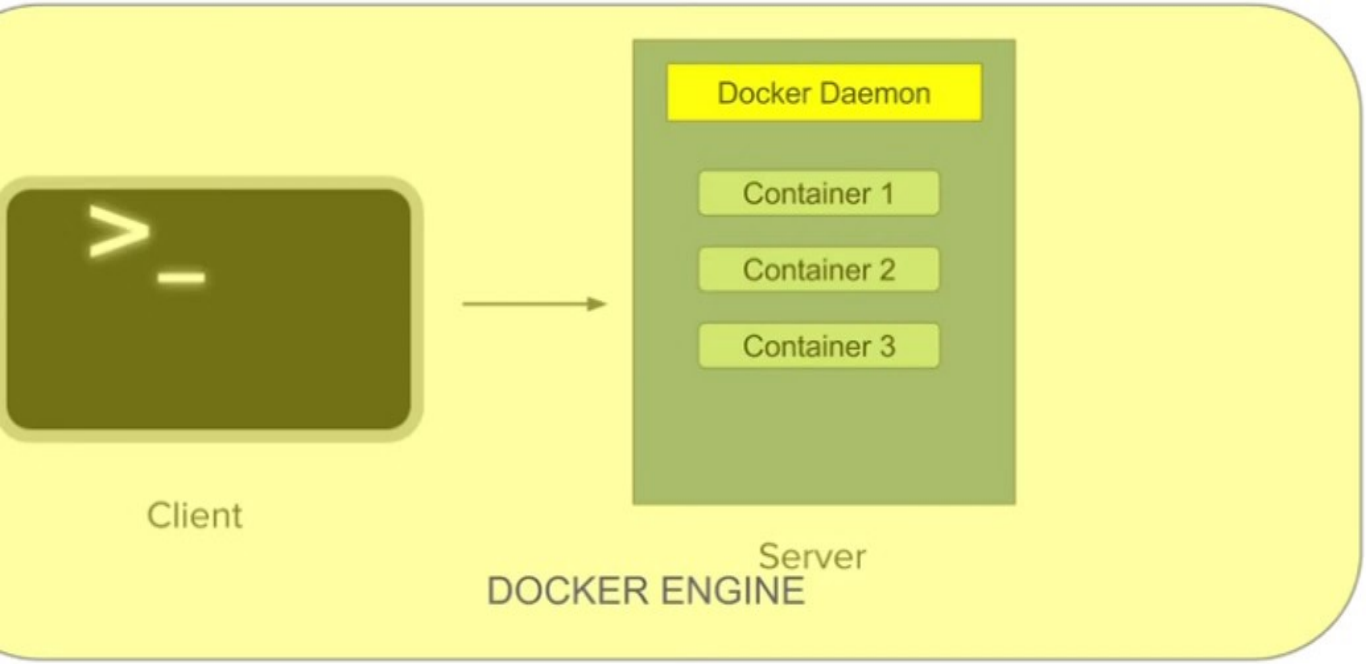
Docker has a client-server architecture



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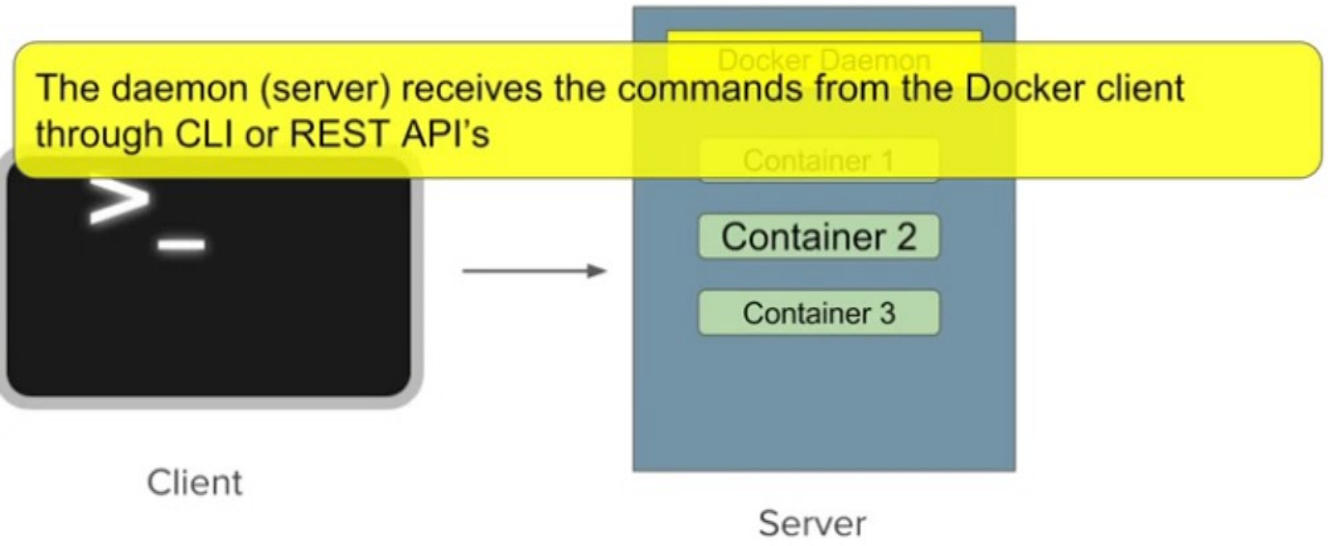
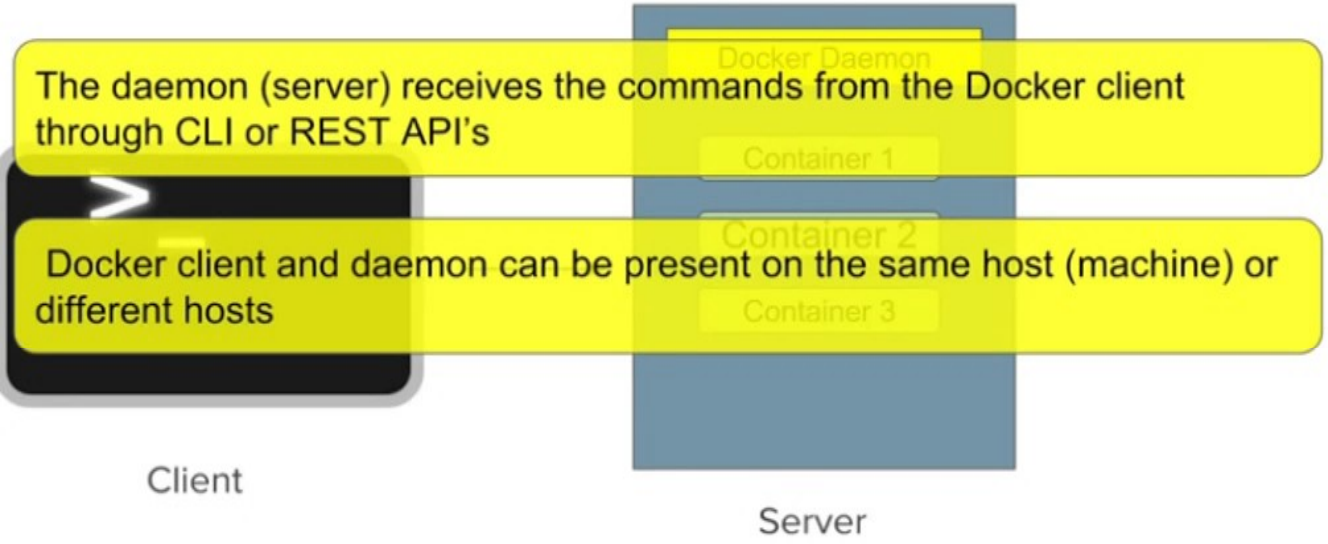
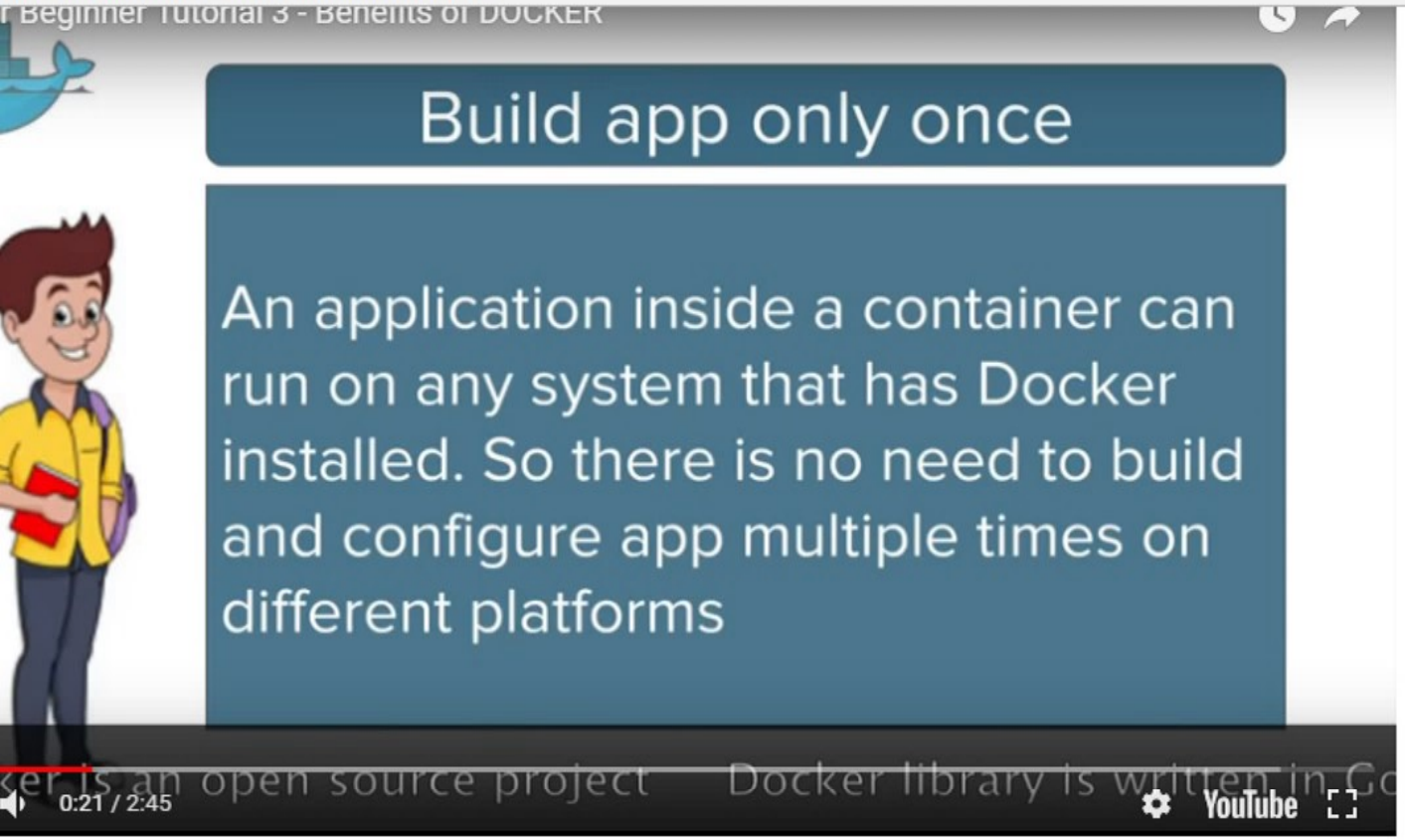
Docker has a client-server architecture



Docker has a client-server architecture





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Step 6,507 view...
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More sleep and less worry

With Docker you test your application inside a container and ship it inside a container.
This means the environment in which you test is identical to the one on which the app will run in production.

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Step 6,507 view...
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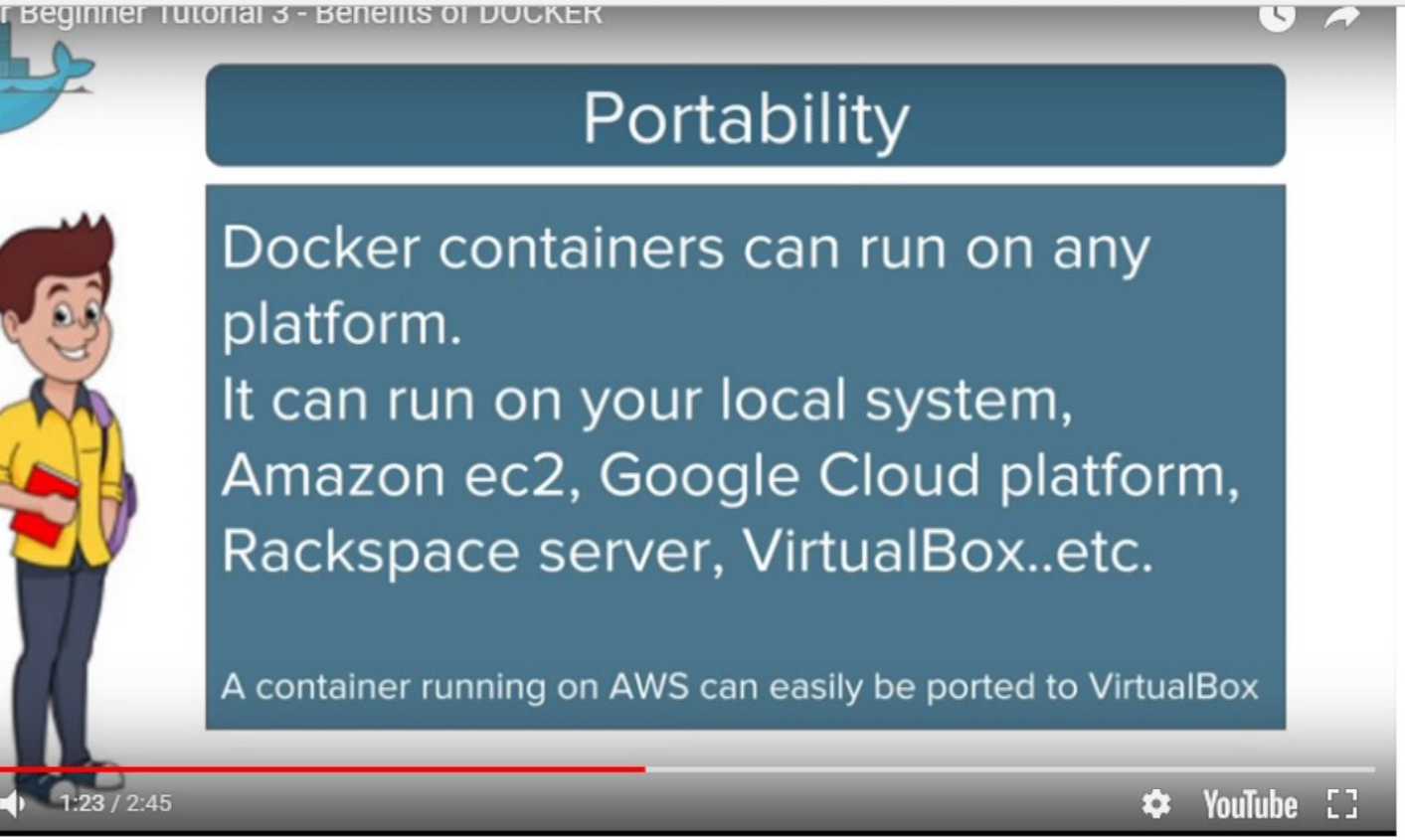

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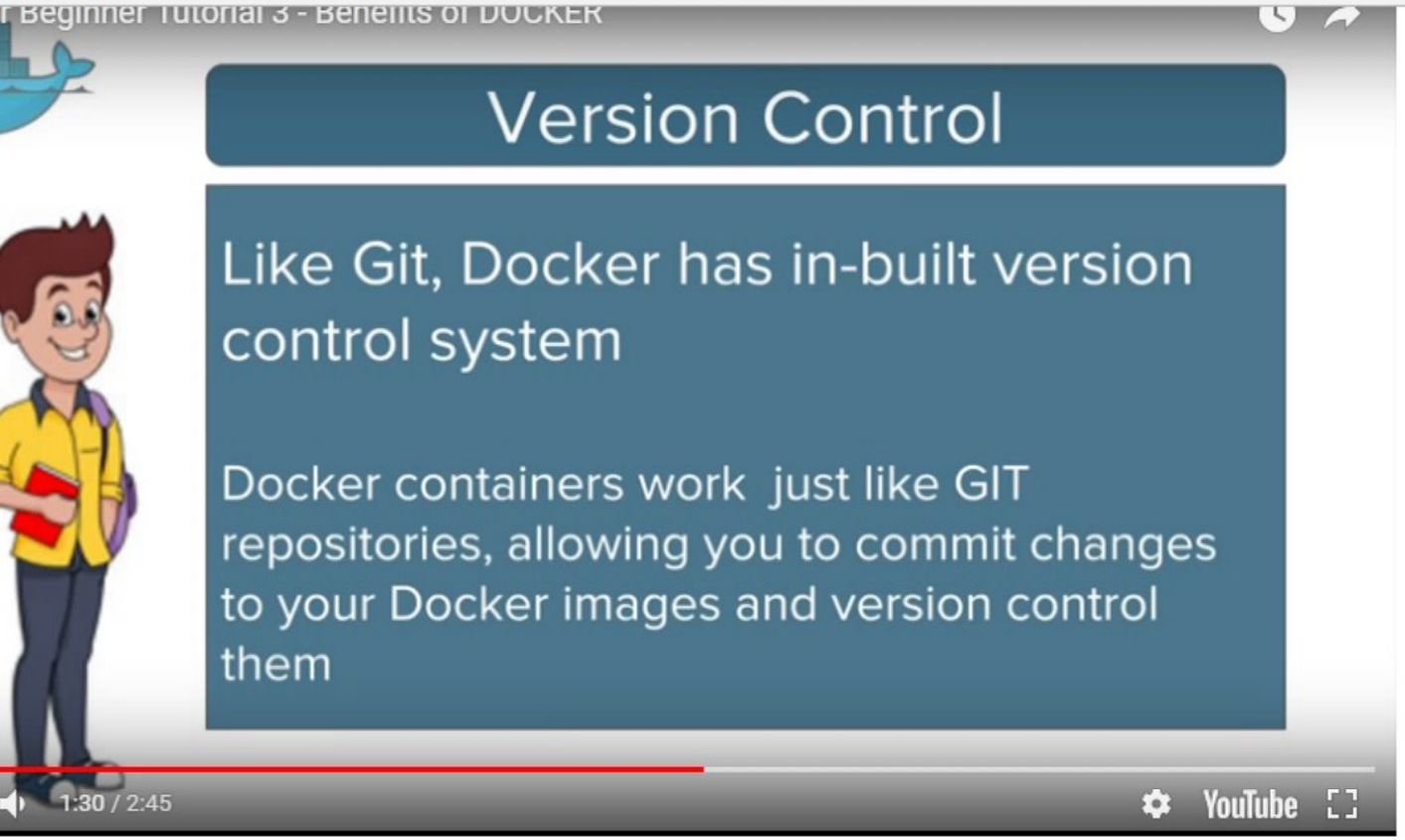

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Step 6,507 view...
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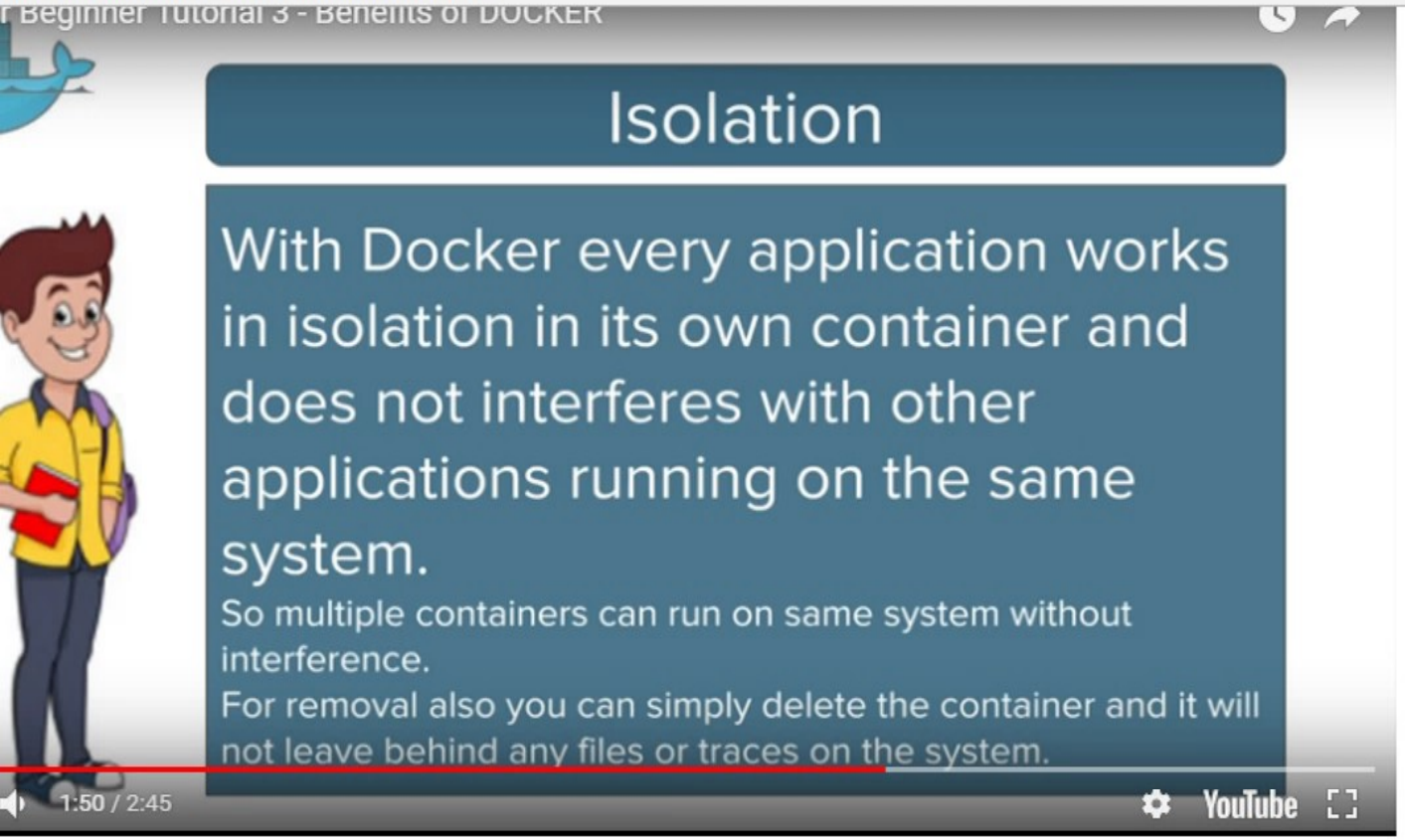

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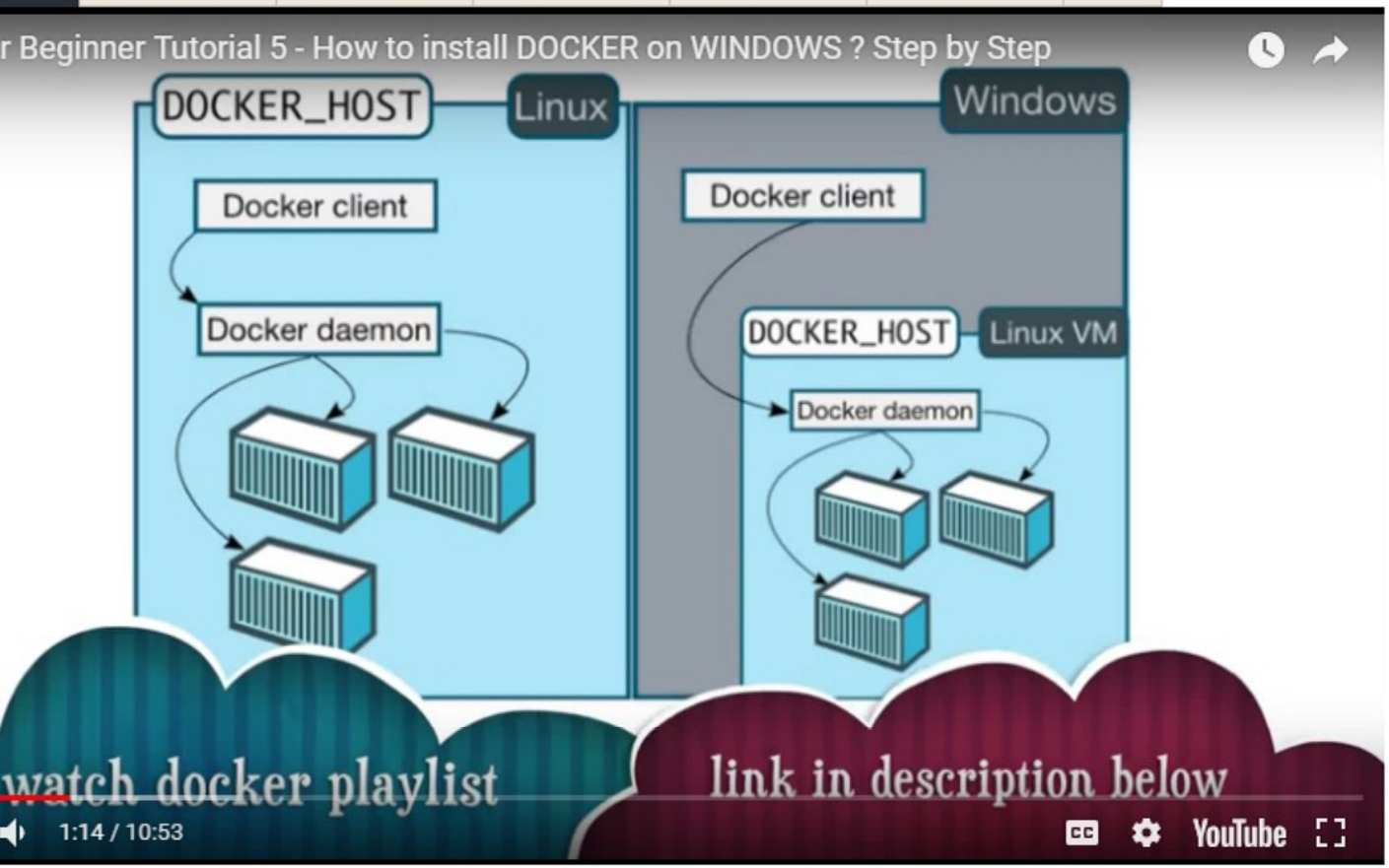
Source : YouTube

00.10.54

How to install DOCKER on MAC ? S
Step 6,507 view...

Source : YouTube

00.11.45



Docker for Beginners

0 0 0

INTRODUCTION TO DOCKER 00.44.

How to install DOCKER on LINUX ?

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00.08.38

How to install DOCKER on WINDOW

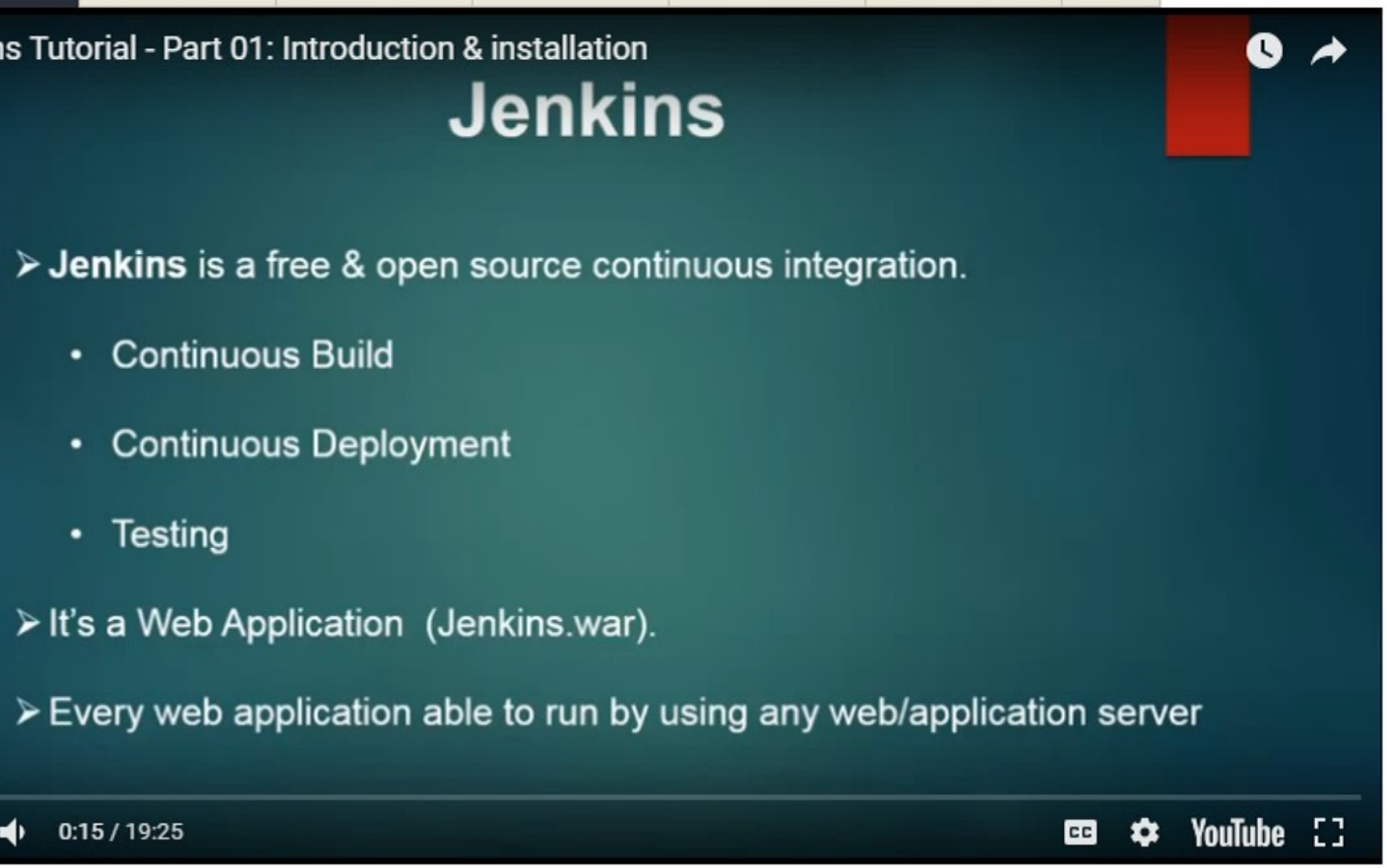
Source : YouTube

00.10.54

How to install DOCKER on MAC ? S
Step 6,507 view...

Source : YouTube

00.11.45



Jenkins for beginners

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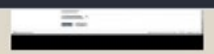
CONTINUOUS INTEGRATION USING JEN... 01.19.



Source : YouTube
00.08.00

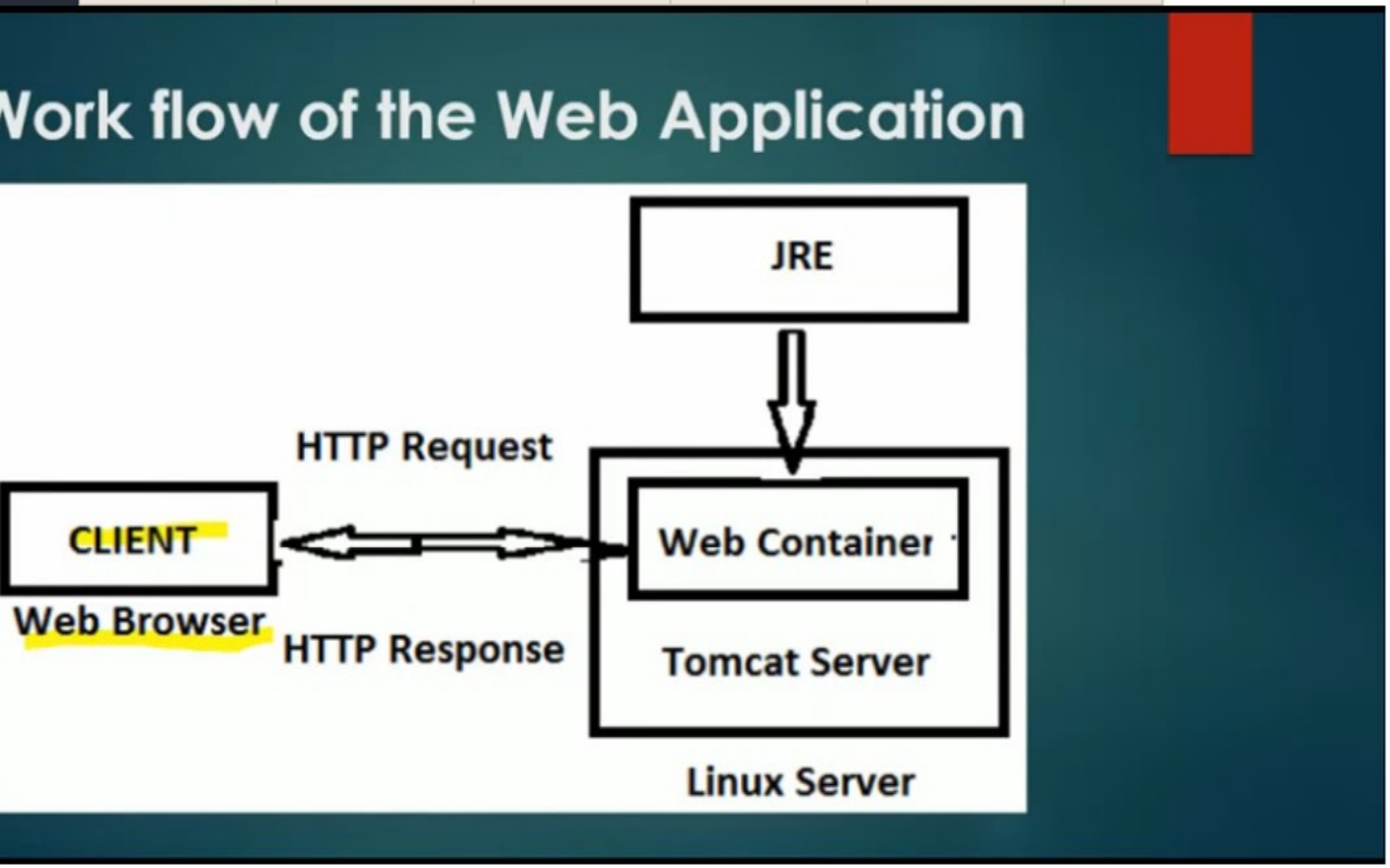
Creating & Configuring Slaves/Noc

Source : YouTube
00.11.00

User Administration

Source : YouTube
00.09.00

Configuring Maven Projects using
VCS



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CONTINUOUS INTEGRATION USING JEN... 01.19.

Source : YouTube
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Creating & Configuring Slaves/Noc
Source : YouTube
00.11.00

User Administration
Source : YouTube
00.09.00

Configuring Maven Projects using
VCS

AWS Cloud Platform

- AWS Platform has been divided into following categories:
  - Compute and Networking
  - Storage and CDN
  - Databases
  - Application Services
  - Deployment and Management

Storage and Content Delivery

- Amazon S3
- Amazon Glacier
- Amazon CloudFront

Compute and Networking

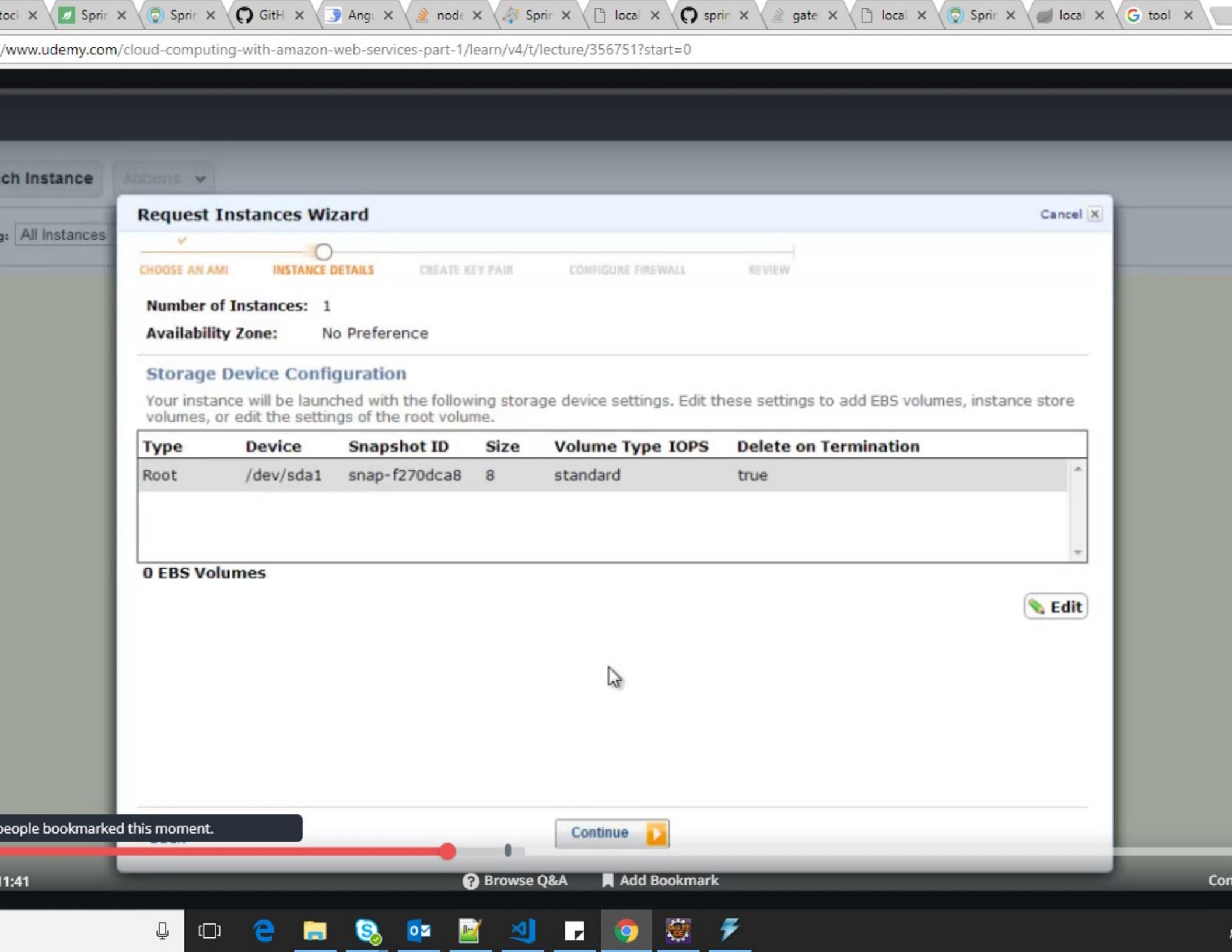
- Amazon EC2
  - RHEL
  - CentOS
  - Ubuntu
  - Debian
  - Fedora
  - Amazon Linux
  - Oracle Linux
  - Microsoft Windows Servers
- Amazon Route53
- Amazon VPC

App Services

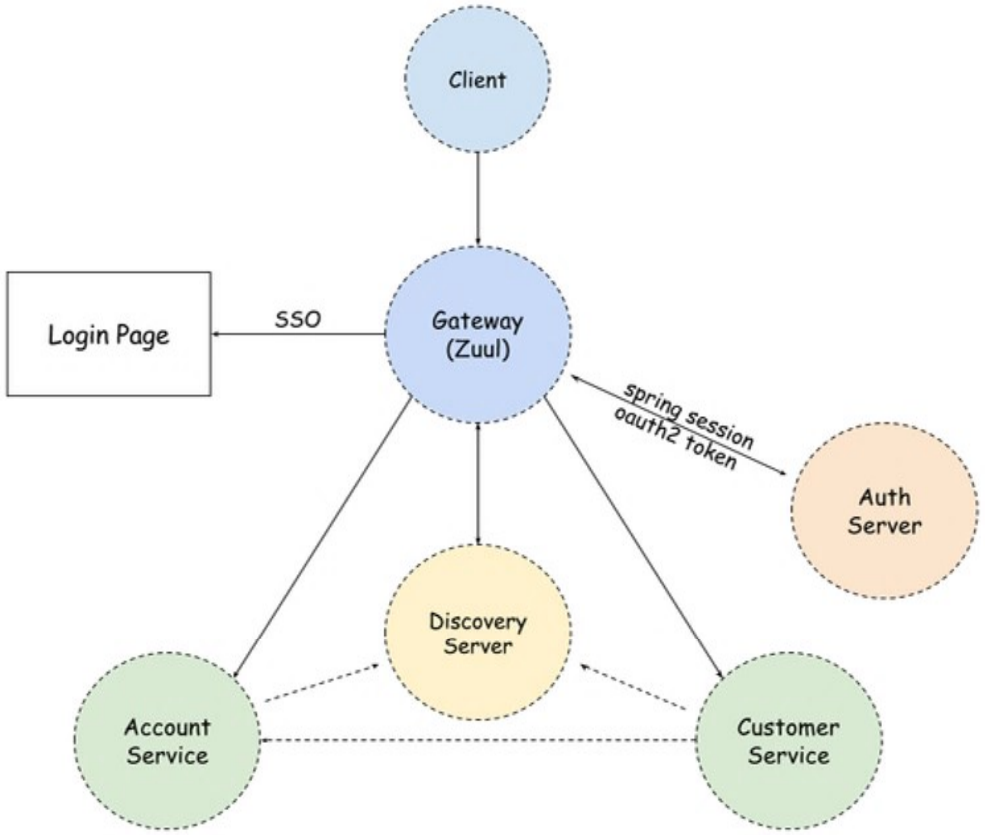
- Amazon SES
- Amazon SNS

Deployment and Management

- Amazon CloudWatch
- Amazon IAM


www.udemy.com/cloud-computing-with-amazon-web-services-part-1/learn/v4/t/lecture/356751?start=0
Request Instances Wizard
Cancel
CHOOSE AN AMI
INSTANCE DETAILS
CREATE KEY PAIR
CONFIGURE FIREWALL
REVIEW
Number of Instances: 1
Availability Zone: No Preference
Storage Device Configuration
Your instance will be launched with the following storage device settings. Edit these settings to add EBS volumes, instance store volumes, or edit the settings of the root volume.
Type Device Snapshot ID Size Volume Type IOPS Delete on Termination
Root /dev/sda1 snap-f270dca8 8 standard true
0 EBS Volumes
Edit
Continue
people bookmarked this moment.
Browse Q&A
Add Bookmark

details.



Requests to the microservices and authorization server are proxied by the gateway. First request is redirected to the login page. We need to authenticate. User authentication data is stored in MySQL database. After login there is also stored user HTTP session data using Spring Session library. Then you should to perform next steps to obtain OAuth2

Netflix Eureka
May 21, 2018

- Quick guide to deploying Java apps on OpenShift
  May 18, 2018
- Exporting metrics to InfluxDB and Prometheus using Spring Boot Actuator
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Get 10% cashback
sing Visa debit/ credit cards on first 2 cashless orders

Learn more

100% Origina

	Price	Quantity
-XB55 Extra-Bass in-Ear Headphones (Blue) by Sony	₹1,499.00	1

a gift Learn more
for later

ng Shoes-6 UK/India (39 EU)(RLO0023A-... was removed from Shopping Cart.

's Black and Grey Sandals - 7 UK (SS-105)	₹674.00	1

a gift Learn more
for later

Subtotal (2 items): ₹2,173.00

Amazon.in are subject to change. The shopping cart is a temporary place to store a list of your items and reflects each item's most recent price.
'll ask you to enter your claim code when it's time to pay.

Subtotal (2 i
This order co
Proc

Recommendatio

her with Sony MDR-XB55 Extra-Bass in-Ear Headphones (Blue)

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All Unread By Date Newest

Today

Frontoffice Mtw
NIO Temp Access Card Req... 10:38 AM
Dear Kishan Rathore, NIO -

Employee referral
Double referral bonus alert... 10:35 AM
Refer your friends to the

Rekha N
Seating Allocation for MOS... 9:56 AM
Dear All,

Yesterday

CIS GlobalServiceDesk
CIS NOTIFICATION : Sched... Thu 9:14 PM

Zoojoobe
Thank you for participatin... Thu 8:28 PM
* You are receiving this mail

CIS GlobalServiceDesk
CIS NOTIFICATION : Sched... Thu 8:04 PM

CIS GlobalServiceDesk
CIS NOTIFICATION : Sched... Thu 6:52 PM

Surendra Kumar Pen...
Poster design competition Thu 3:31 PM
Do you want to design a

Hari Rajendran (Asso...
Change in Course Procedur... Thu 3:24 PM
Dear Mindtree Mind,

Mindtree Foundation...

Reply Reply All Forward IM

Fri 6/8/2018 9:56 AM

Rekha N

Seating Allocation for MOSIP

To Rekha N; Tejeshwar Reddy Kothakapa; Pranav Kumar (IN1740); Rajath Kotebailu Raghuchandra; Chetan N. Patil; Manjunath G; Jaladi Lydia; N Rupika Radhe Sham; Shwetha Mruthyunjaya; Raj Kumar Mahanty; Kishan Rathore; Jyoti Prakash Nayak; Tapaswini Behera; Sadanandegowda Dm Girish Managoli; Gulipillirama Gangadhara Naidu; Dharmesh Khandelwal; Romila Mattu; Monobikash Das; Prabhashankar Krishnamurthy; Nagashree Urvil Joshi (IN4287); Amandeep Khanuja; Vyas Vemuri; Rounak Nayak; Manjunatha P; Priya Soni (IN4288); Sidhant Agarwal; Ranjani Sundarraj

Cc Romila Mattu

Seats	Zone Details	Mapped to Minds
WCP2-1F-069		Rekha N
WCP2-1F-070		Tejeshwar Reddy Kothakapa
1 additional seat		Pranav Kumar5
WCP2-1F-071		Rajath Kotebailu Raghuchandra
WCP2-1F-072		Chetan N. Patil
WCP2-1F-073		Manjunath G
1 additional seat		Jaladi Lydia
WCP2-1F-074		Nagalakshmi Nithyanandan
WCP2-1F-075	Zone2 - 9 seats	Rupika Radhe Sham
WCP2-1F-068		Shwetha Mruthyunjaya
WCP2-1F-076		Raj Kumar Mahanty
WCP2-1F-077		Kishan Rathore
WCP2-1F-078		Jyoti Prakash Nayak
WCP2-1F-079		Tapaswini Behera
WCP2-1F-080		Sadanandegowda Dm
WCP2-1F-081		John David Panneerselvam
WCP2-1F-082		Girish Managoli
Additional seat		Gulipillirama Gangadhara Naidu
Additional seat		Dharmesh Khandelwal
WCP2-1F-084		Romila Mattu

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All Unread By Date Newest

Today

Frontoffice Mtw
NIO Temp Access Card Req... 10:38 AM
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Additional seat		Gulipillirama Gangadhara Naidu
Additional seat		Dharmesh Khandelwal
WCP2-1F-084		Romila Mattu

al/src/test/java/com/boot/SpringBootJournalApplicationTests.java - Eclipse

te Search Project Run Window Help

SpringBootJourna... JournalEntry.java JournalControlle... Greet.java spring-boot-jour... SpringBootJourna... SpringRunner.class SpringJUnit4Clas...

```
19 import org.junit.runner.RunWith;
20 import org.junit.runners.MethodSorters;
21 import org.springframework.beans.factory.annotation.Autowired;
22 import org.springframework.boot.test.context.SpringBootTest;
23 import org.springframework.http.MediaType;
24 import org.springframework.http.converter.json.MappingJackson2HttpMessageConverter;
25 import org.springframework.mock.http.MockHttpOutputMessage;
26 import org.springframework.test.context.junit4.SpringRunner;
27 import org.springframework.test.web.servlet.MockMvc;
28 import org.springframework.web.client.RestTemplate;
29 import org.springframework.web.context.WebApplicationContext;
30
31 import com.boot.model.Greet;
32 import com.boot.model.JournalEntry;
33
34 @RunWith(SpringRunner.class)
35 @SpringBootTest
36 @FixMethodOrder(MethodSorters.NAME_ASCENDING)
37 public class SpringBootJournalApplicationTests
38 {
39     private final String                    SPRING_BOOT_MATCH    = "Spring Boot";
40     private final String                    CLOUD_MATCH          = "Cloud";
41
42     @Autowired
43     private MappingJackson2HttpMessageConverter mappingJackson2HttpMessageConverter;
```

Markers Properties Servers Data Source Explorer Snippets Console Progress JUnit

Finished after 6.815 seconds

Runs: 3/3 Errors: 0 Failures: 0

com.boot.SpringBootJournalApplicationTests [Runner: JUnit 4] (1.288 s)
- add (0.872 s)
- findByTitle (0.376 s)
- getAll (0.040 s)

Failure Trace

Development with Spring Boot

```
rg.springframework.data.jpa.repository.JpaRepository;
om.apress.spring.domain.JournalEntry;

ic interface JournalRepository extends JpaRepository<JournalEntry, Long

spring-boot:run
```

(Hypertext Application Language) is a representation of media, such as

used by the HATEOAS (Hypermedia as the Engine of Application State) as
REST endpoints through media links.

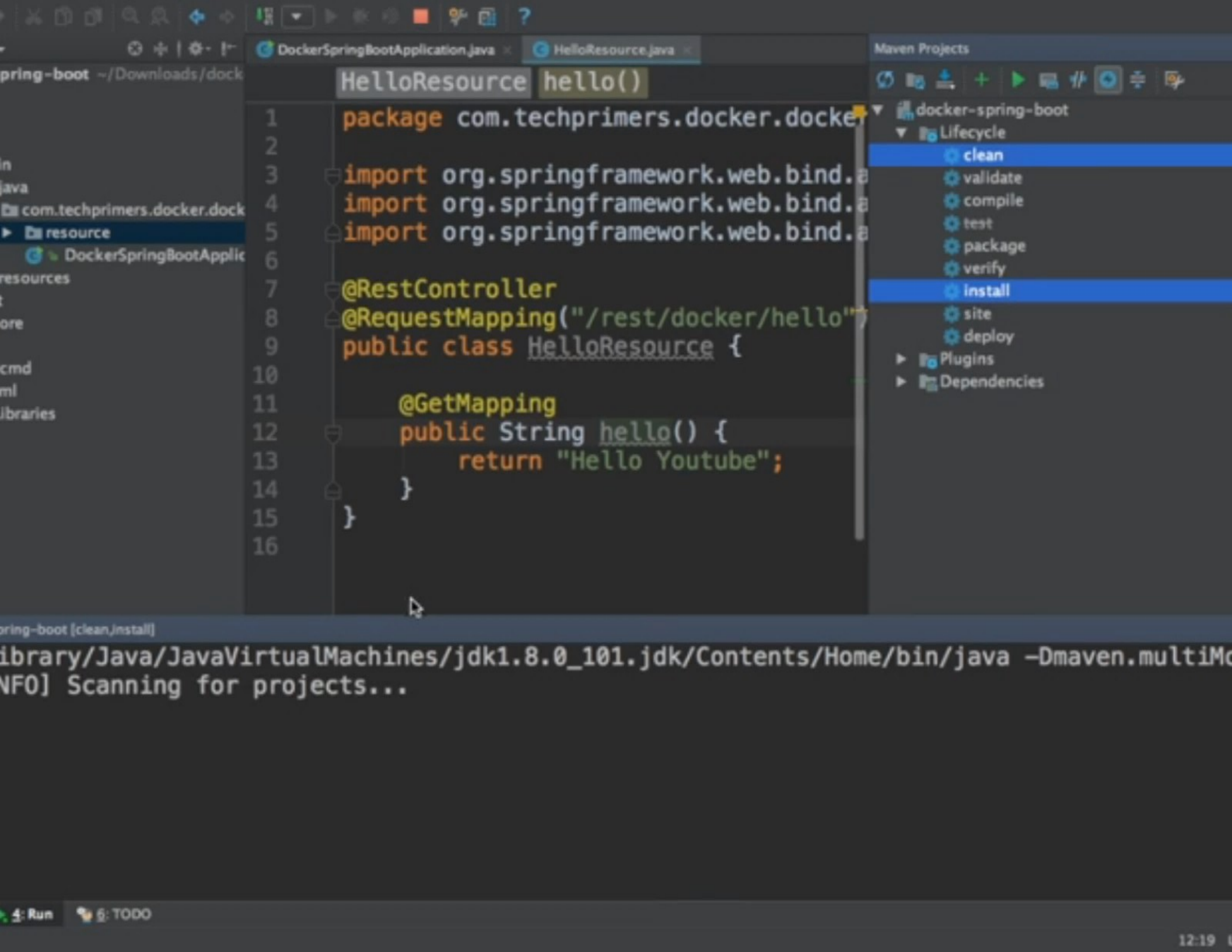
is a REST service pattern in which navigation links are provided as pa
metadata. The client application determines the state and follows the
ion URLs provided as part of the state.

localhost:8080/journal/s × Extensions ×

/journal/search/created-after?after=2015-01-01

Projects | Astrology | MyJava | Clustering | TechGurus Training | Docker | Movies | Ramana Maharshi | Kerala Police Paymen | Virtual Malayalam Ke | Spiritu


```
to know Spring Boot",
day I will learn Spring Boot",
-01-2016",

: "http://localhost:8080/journal/1"

ntry: {
: "http://localhost:8080/journal/1"

le Spring Boot Project",
will do my first Spring Boot project",
-01-2016",

: "http://localhost:8080/journal/2"

ntry: {
: "http://localhost:8080/journal/2"

ng Boot Reading",
ad more about Spring Boot",
-02-2016",

: "http://localhost:8080/journal/3"

ntry: {
: "http://localhost:8080/journal/3"
```


DockerSpringBootApplication.java
HelloResource.java
HelloResource hello()
1 package com.techprimers.docker.docke
2
3 import org.springframework.web.bind.a
4 import org.springframework.web.bind.a
5 import org.springframework.web.bind.a
6
7 @RestController
8 @RequestMapping("/rest/docker/hello")
9 public class HelloResource {
10
11 @GetMapping
12 public String hello() {
13 return "Hello Youtube";
14 }
15 }
16
Maven Projects
docker-spring-boot
Lifecycle
clean
validate
compile
test
package
verify
install
site
deploy
Plugins
Dependencies
ibrary/Java/JavaVirtualMachines/jdk1.8.0_101.jdk/Contents/Home/bin/java -Dmaven.multiMo
NFO] Scanning for projects...
4: Run
6: TODO
12:19

y refers to the speed of data ingestion.

f webpages are added every day.

created from different sources such as:

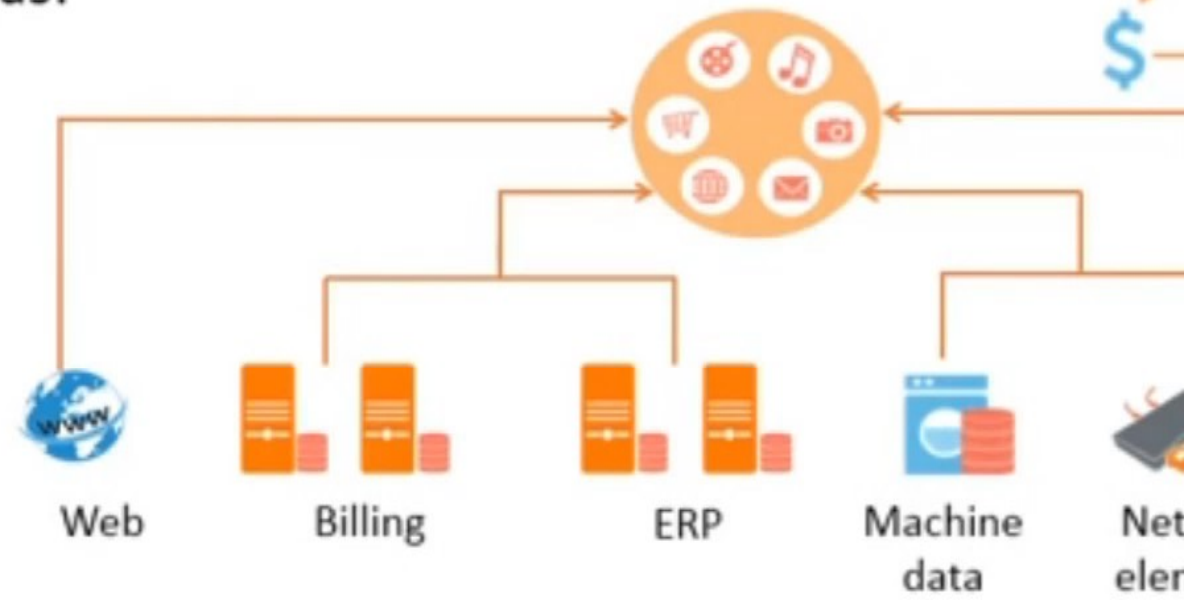
ops

ps

es

ts

rs



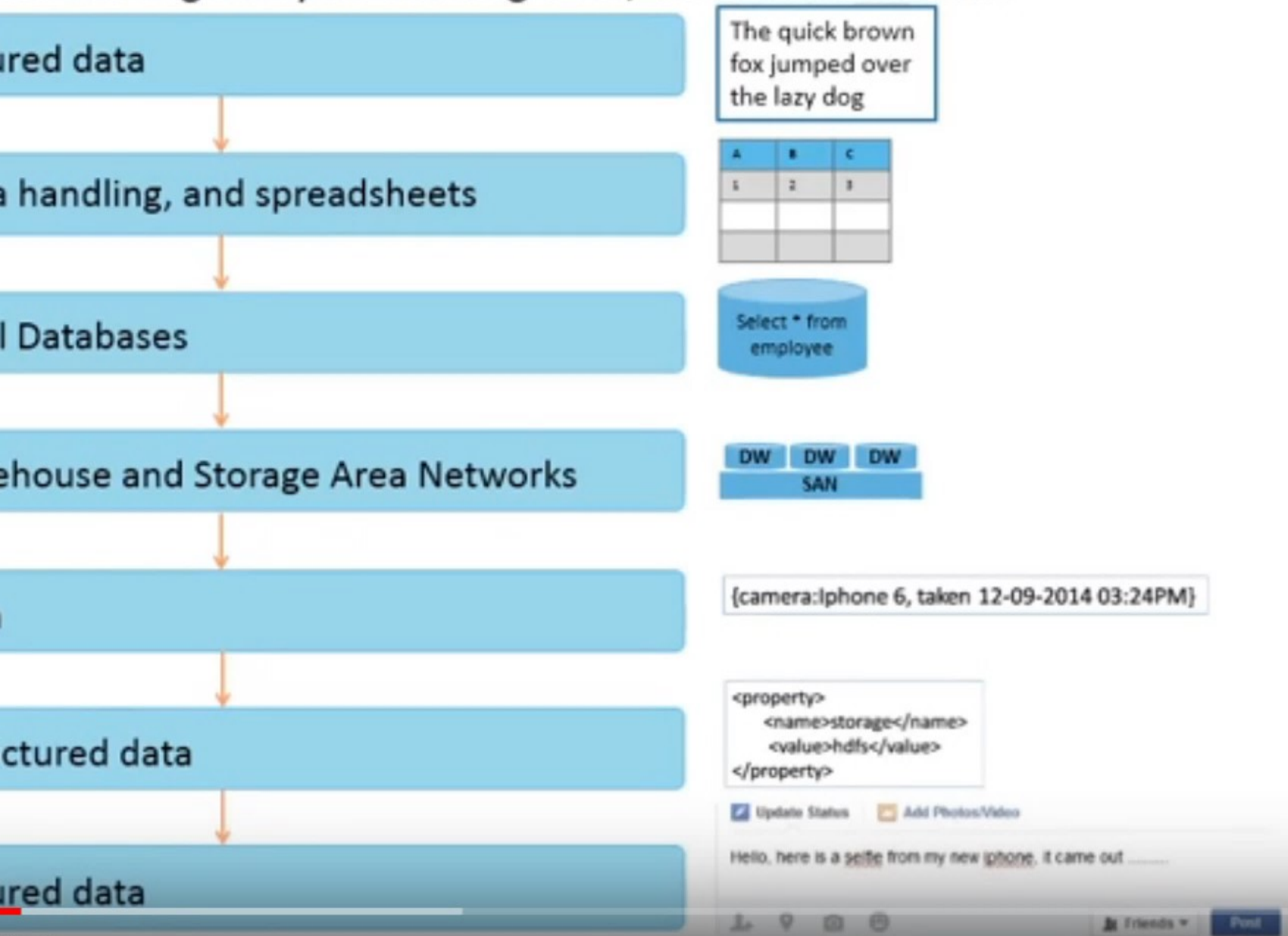
rs to types of data such as text, images, audio, video, XML, and HTML. The three ty

Structured data:
Data that is represented in a tabular format.
Example: MySQL databases.

Semi-structured data:
Data that does not have a formal data model.
Example: XML files.

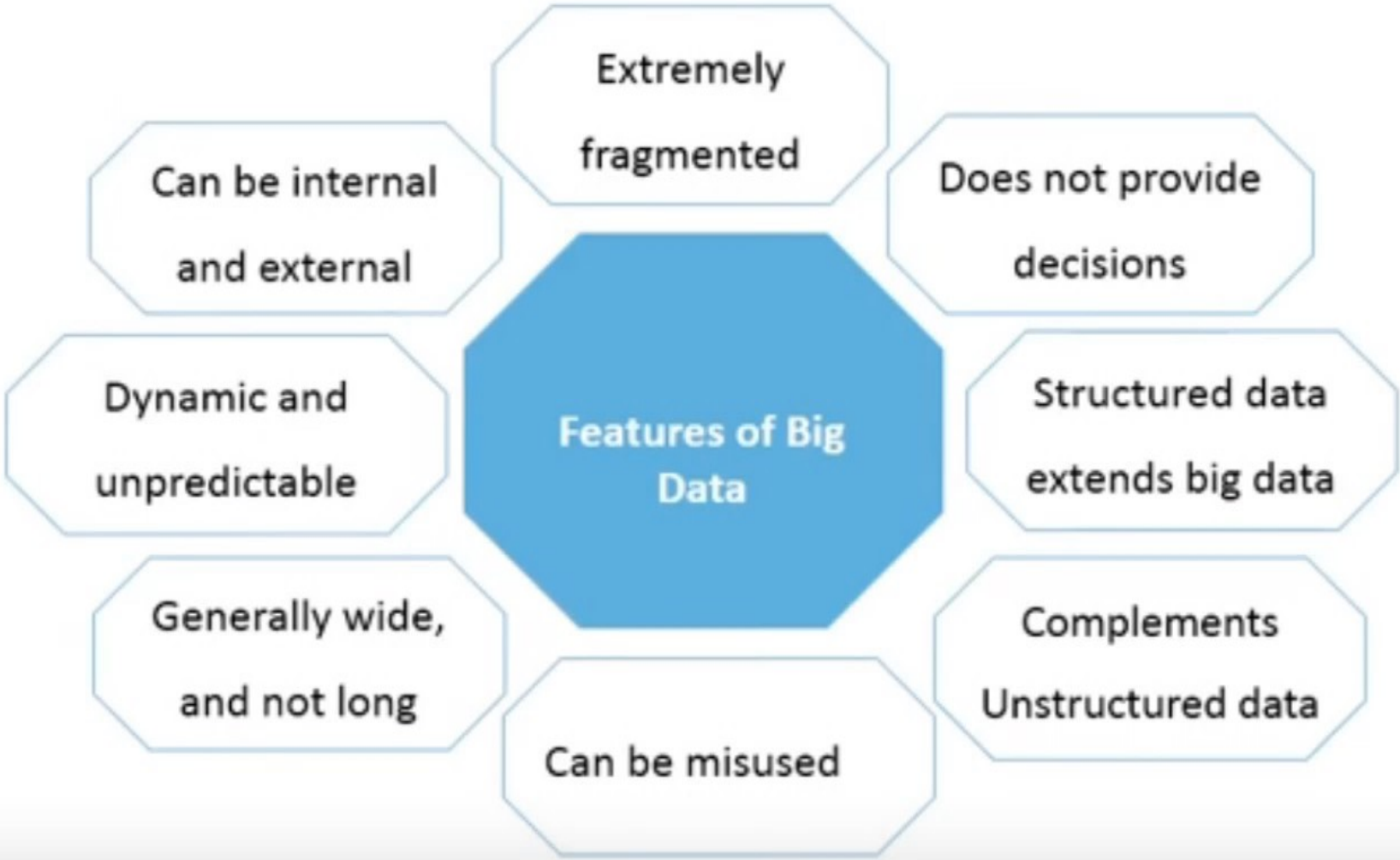
Unstructured data:
Data that does not have a predefined data model.
Example: Text files.

one through a cycle starting with, unstructured data.



Big data

features of big data are as follows:



mples

try examples of big data are as follows:

inity detection
t basket analysis

Digital marketing

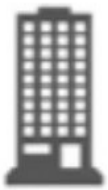
Genetics

ard fraud
n

Algorithmic trading

Power grid load
forecast

n risk
ation



Insurance risk
management

diagnostics

Advertising

ysis

big data analysis are as follows:

dataset can be used for analysis instead of sample data.

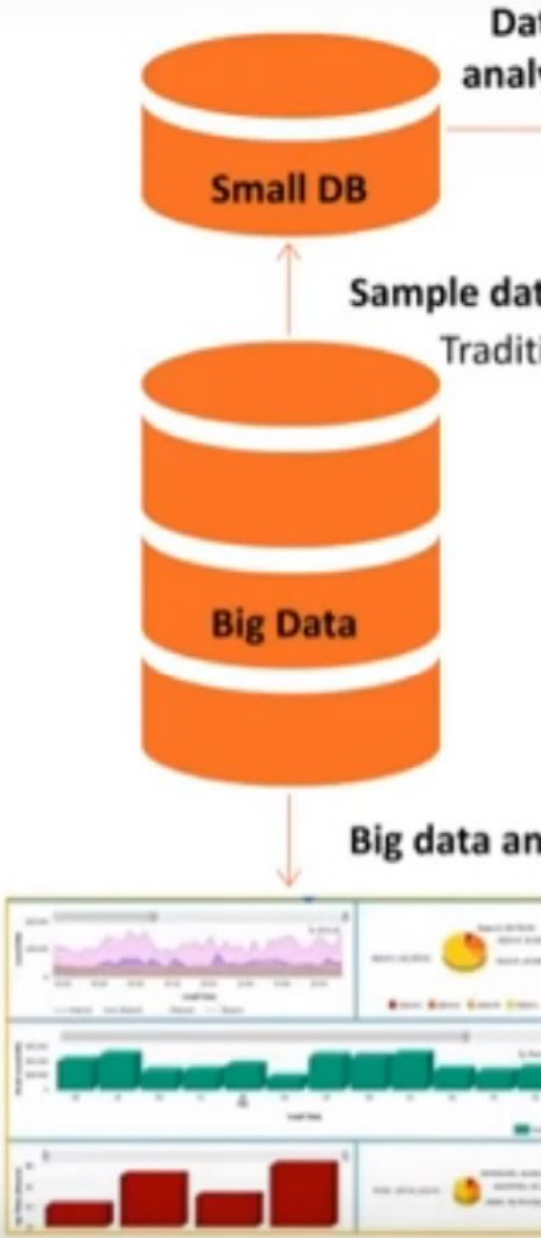
nd associations in data, predict future outcomes, and

rescriptive analysis.

ake data-driven decisions instead of intuition-based

anizations to increase safety standards, reduce maintenance

prevent failures.



comparison

echnology can be compared with big data technology in the following ways:

onal Technology	Big Data Technology
n Scalability.	• Highly scalable.
parallel processors.	• Distributed processing.
sors may be distributed with data in a machine.	• Data is distributed to multiple mach
nd hardware (>$40000/TB).	• Commodity hardware (< $5000/TB)
orage Area Network (SAN).	• Uses distributed data with data red

g, a stream represents a continuous sequence of bytes of data.

eristics of a stream are as follows:

ced by one program and consumed by another.

med in a first-in-first-out sequence.

ounded or unbounded.

a stream: Linux pipe.

and: cat logfile | wc -l

roduces a stream that is consumed by wc -l to display the number of lines in the file

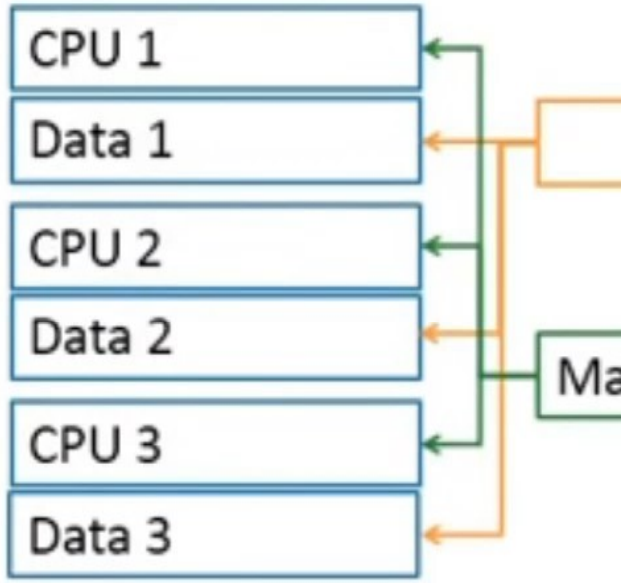
oop

oop is the most popular framework for big data

core components HDFS and MapReduce.

FS to distribute the data to multiple machines.

pReduce to distribute the processing to multiple



principle of moving processing to data instead of

ocessing.

ributed File System

tributed File System (HDFS) is the storage component of Hadoop.

e the characteristics of HDFS:

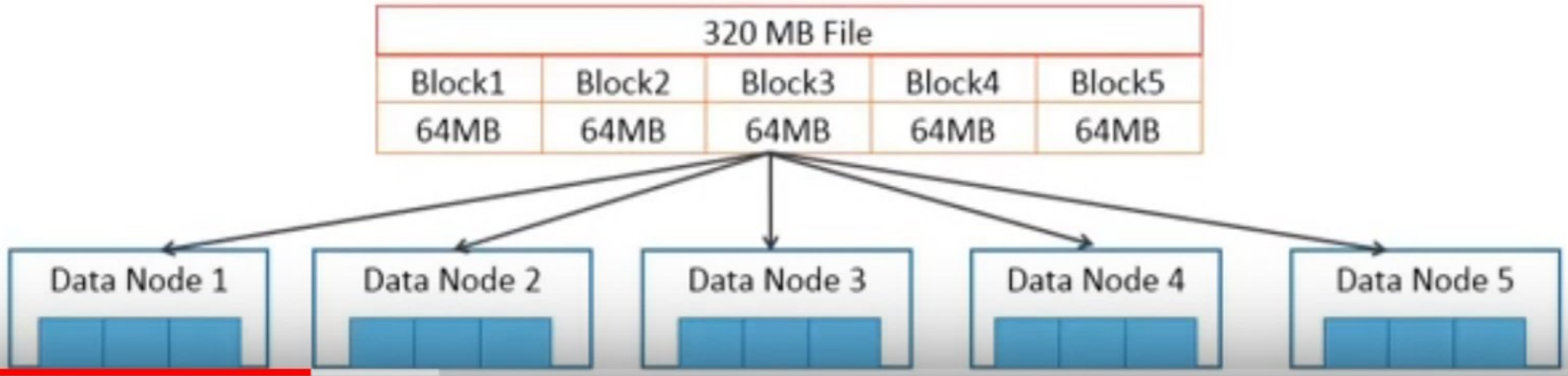
h file as blocks.

ock size is 64MB.

e Read-Many-Times (WORM) form of file system.

replicated across many nodes in a cluster.

hree default replications.



is the processing framework on Hadoop. The characteristics of MapReduce are as

fault-tolerant distributed processing.

are tasks that run in parallel on different nodes in the cluster.

-value pair

npletion of map tasks, results are gathered and aggregated by reduce tasks.

ummarize, consolidate

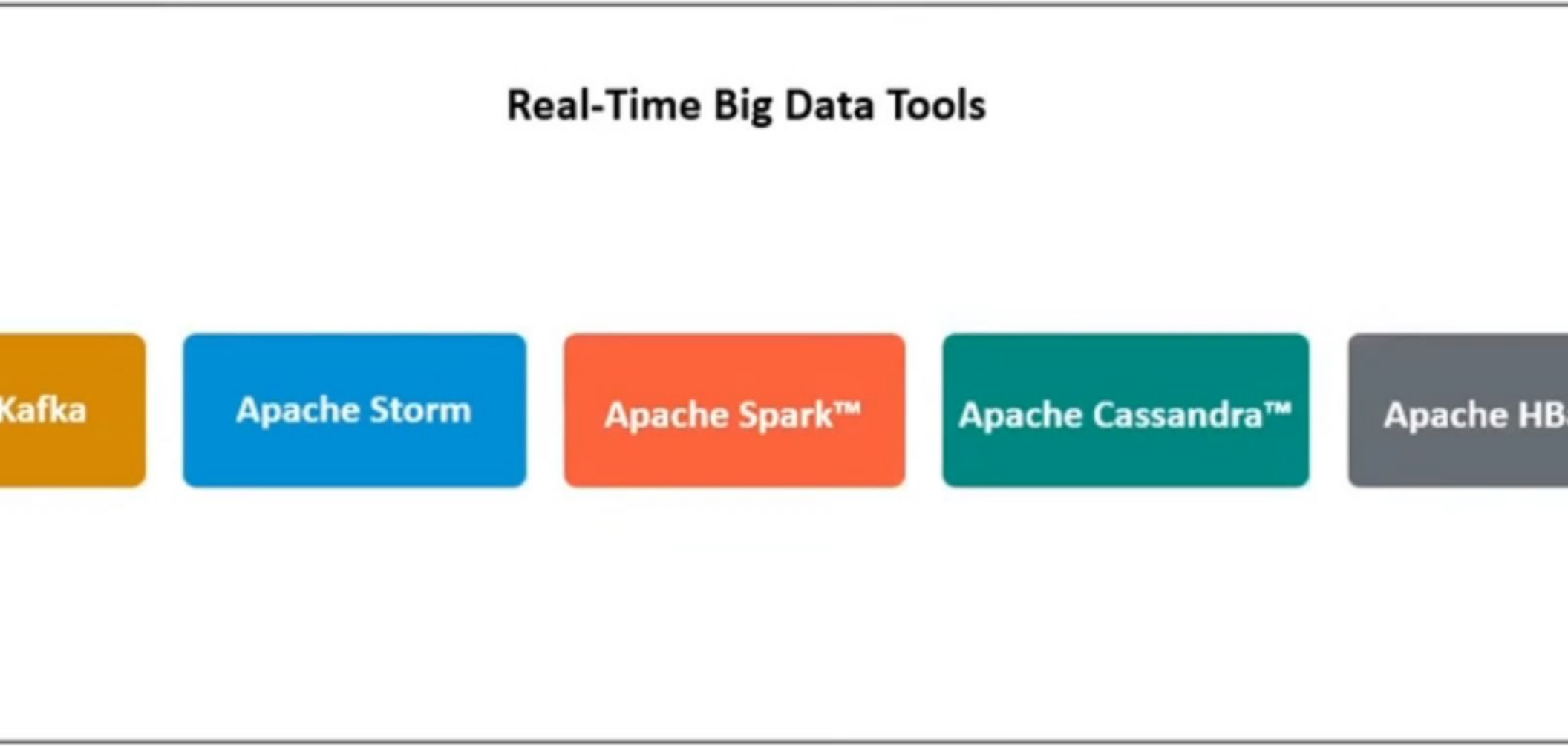
give the final output.

pper runs on the data block of that node; data locality is preferred.

he paradigm of taking the process to the data.

g Data Tools

tools to handle real-time big data are as follows:



gh-performance real-time messaging system. It is an open source tool, and is a part

e the characteristics of Apache Kafka:

distributed and partitioned messaging system that is highly fault-tolerant.

ss millions of messages per second and send to many receivers.

eal-time stream processing system. It is an open source tool, and is a part of Apache

e the characteristics of Apache Storm:

ast and reliable processing.

ss unbounded streams.

ace with message queues such as Kafka to get data to get input message data and

lata into a real-time big data database such as Cassandra.

rk is considered to be the next generation MapReduce. It is an Apache open source

e the characteristics of Apache Spark:

s distributed data.

lata transforms beyond map and reduce.

n Hadoop MapReduce.

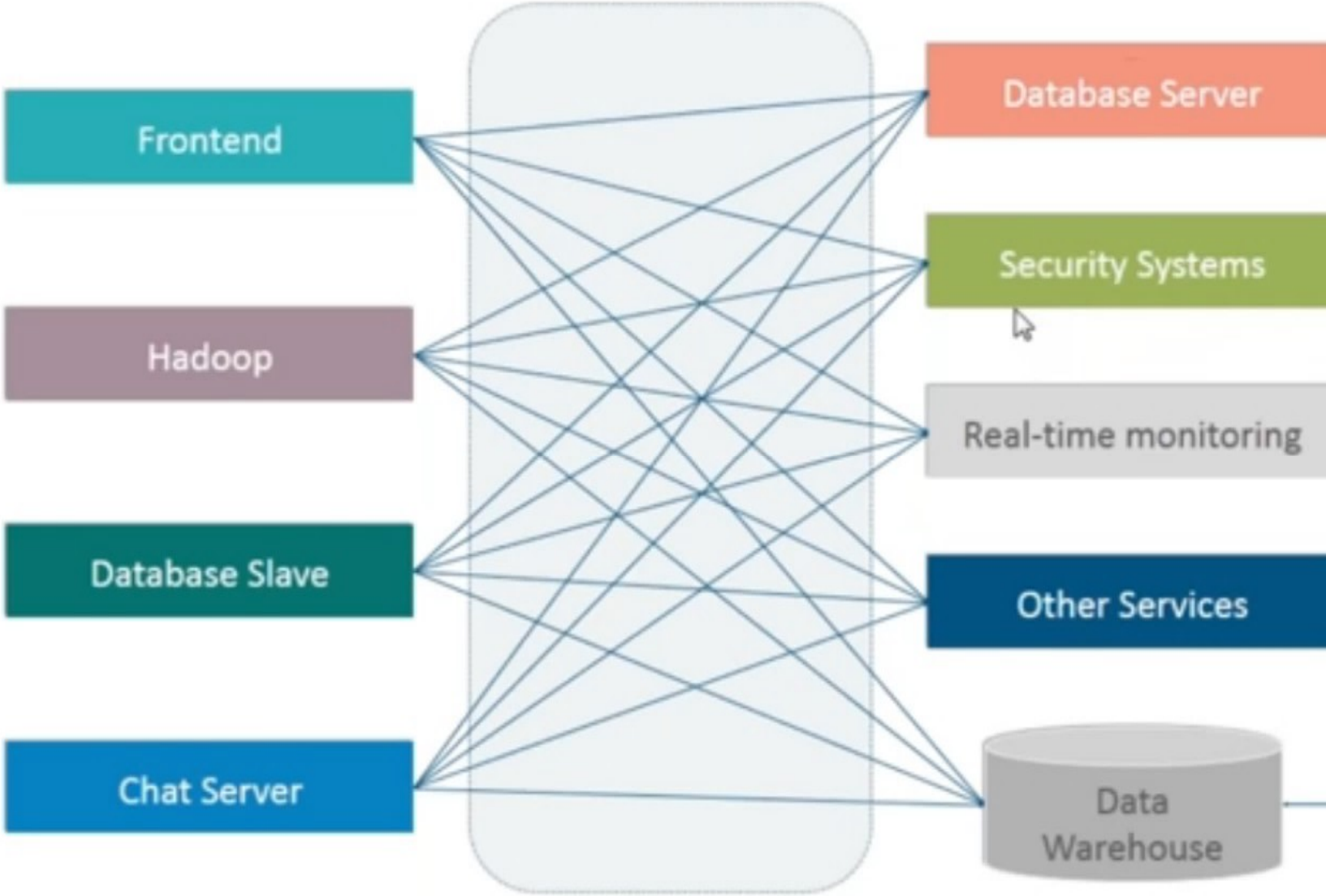
or batch and real-time processing.

park-sql for sql interface to big data.

uilt-in libraries for machine learning and graph processing.

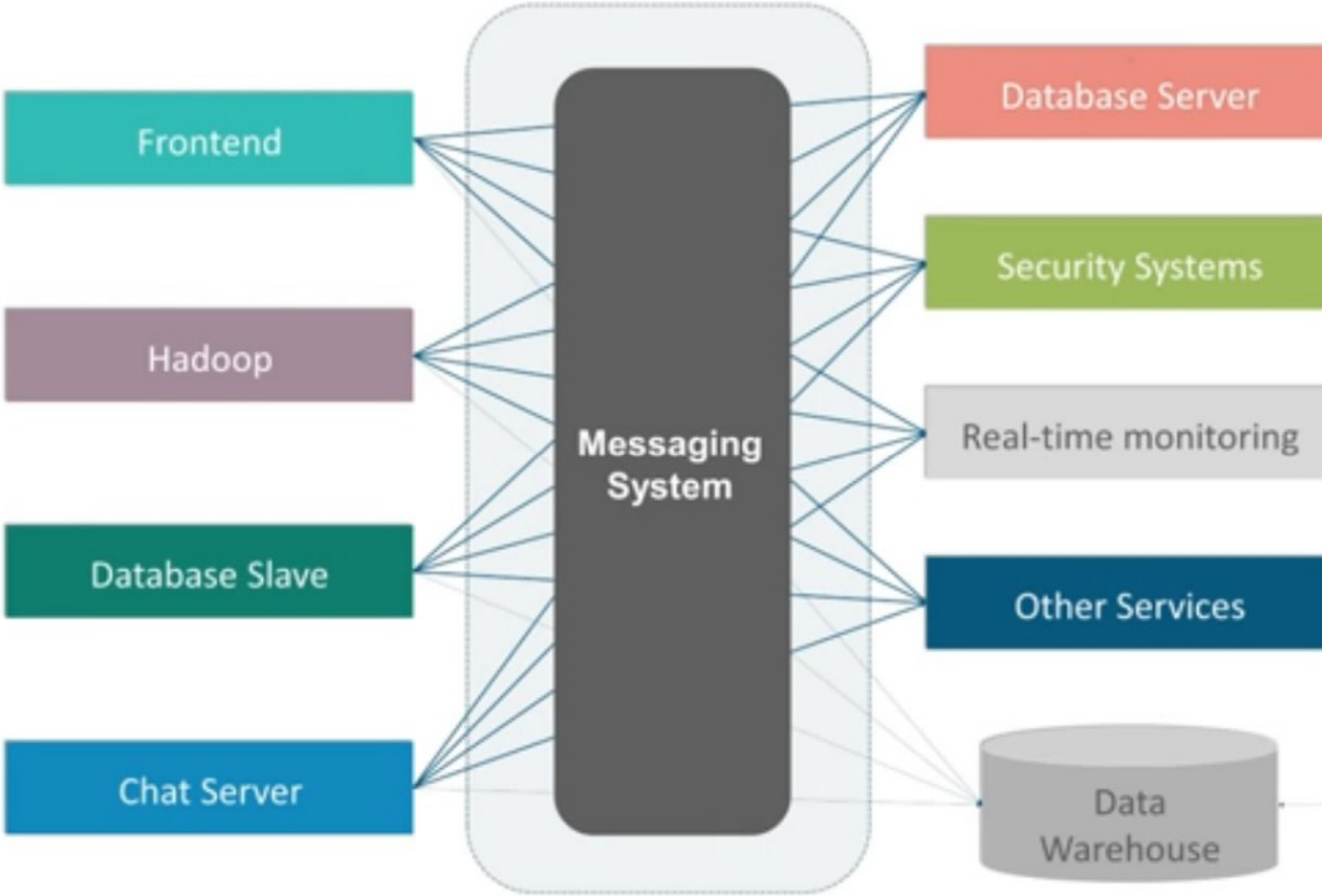
plex Data Pipelines

, applications
y also be
nicating with
monitoring and
rvices in real-
e scenario

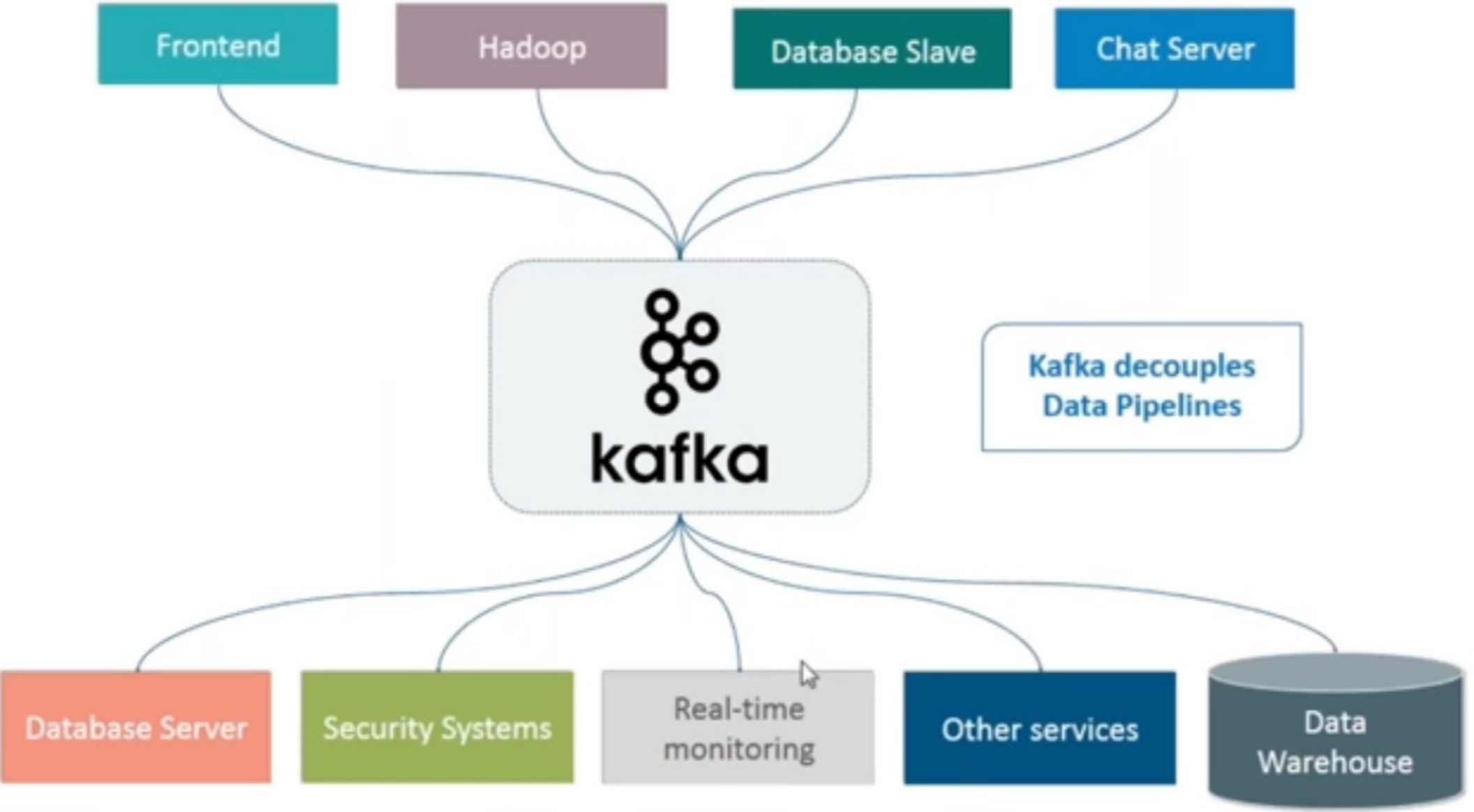


ion to the Complex Data Pipelines

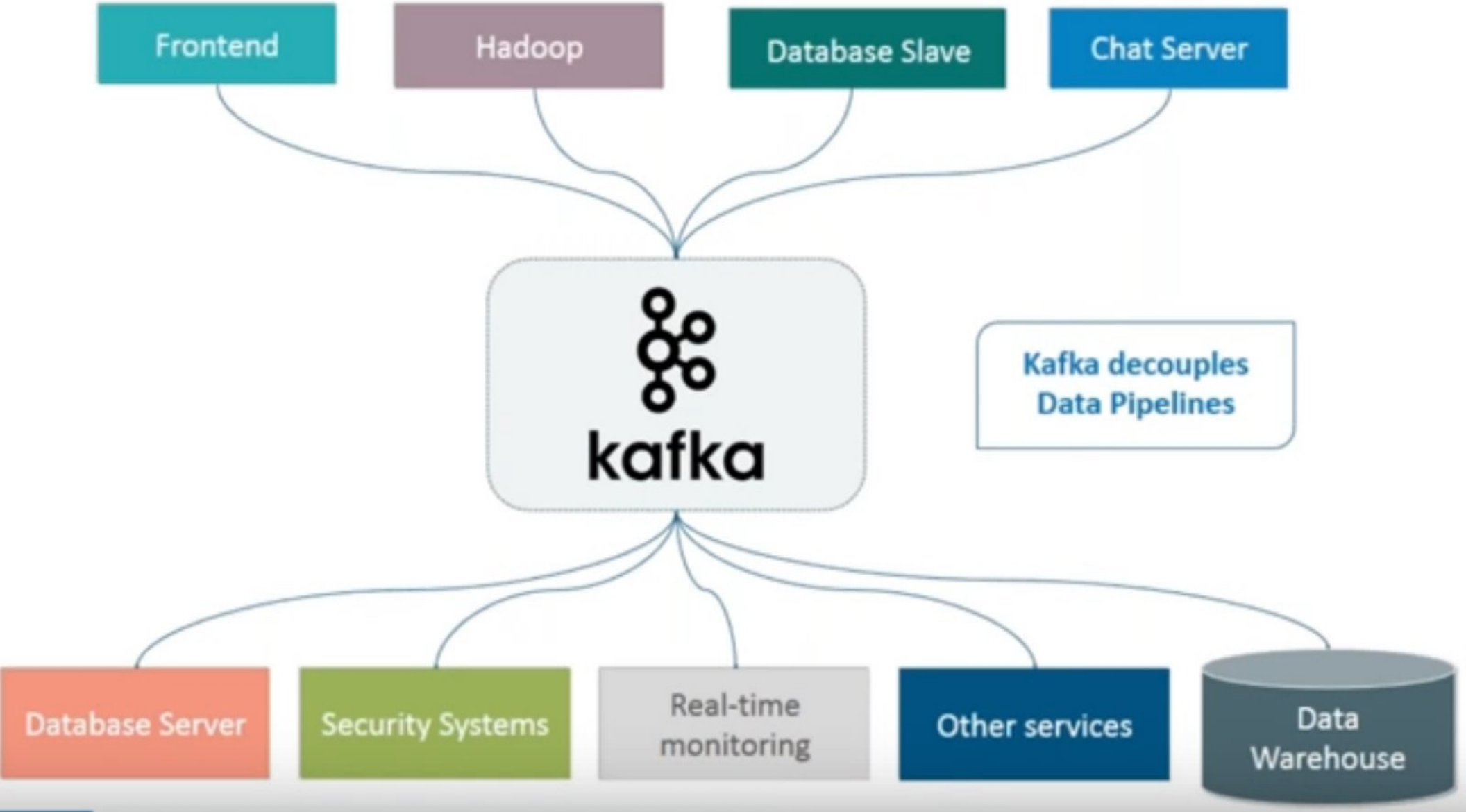
g Systems helps
g the complexity
e pipelines



a Decouples Data Pipelines



a Decouples Data Pipelines



a Terminologies

Producer

A ***producer*** can be any
pplication who can publish
messages to a topic

Consumer

A ***consumer*** can be any
application that subscribes to a
topic and consume the
messages

Partition

Topics are *broken* up into *ord*
commit logs called ***partiti***

Broker

ka cluster is a set of servers,
ch of which is called a ***broker***

Topic

A ***topic*** is a category or *feed name*
to which *records are published*

Zookeeper

ZooKeeper is used for mana
and coordinating Kafka br

ka!

/yorbit.mindtree.com/#/mylearningplan/learningpath

RBIT

Search...

13556

IED | MANDATORY | INTELECTUAL | REST API | HBS-SIS | AEM

What are different Levels in education?

- A. Primary, Secondary, Higher education
- B. Primary, Secondary, Higher, Technical education
- C. Primary, Secondary, Higher, Technical and non-technical education
- D. Primary, Secondary, Higher, Technical, Open & distance Learning education

What are essential components of a successful education?

BASICS OF EDUCATION DOMAIN

You have scored

55%

EXIT QUIZ

What are essential components of a successful education?

- [ ] A. Better standard, Accountability, Parents involvement, low cost
- [x] B. Better standard, Accountability, Parents involvement, proper structure, updated curriculum
- [ ] C. Better standard, Parents involvement, custom structure, fixed curriculum
- [ ] D. Parents involvement, proper structure, fixed curriculum, no assessments

How many types of higher education are there ?

You have scored

55%

EXIT QUIZ

/pgi.billdesk.com/pgidsk/pgmerc/hdfccard/HDFC_cardResponse.jsp

ayment request is being processed...

s a secure payment gateway using 128 bit SSL encryption.
n you submit the transaction, the server will take about 1 to 5 seconds to process, but it may take longer at certain times.
e do not press "Submit" button once again or the "Back" or "Refresh" buttons.

/pgi.billdesk.com/pgidsk/pgmerc/hdfccard/HDFC_cardResponse.jsp

Now pay HDFC Bank Credit Card bills online from any bank account!

ledgment

ccessfully received with the following details. Please quote your transaction ing to this request.

account within 3 working days

Success

NRBL6414082342

22-06-2018 11:52:48

XXXX XXXX XXXX 4400

kishansingh.x@gmail.com

3337.00

RBL Bank Limited

MAKE ANOTHER PAYMENT

Powered by:

BillDesk

a secure 128 bit https internet connection based on secure socket layer
r IP address 112.121.55.5 and access time Jun 22 11:54:54 IST 2018 have

Selenium Core

- **Selenium Core** is a test tool for web applications. Selenium Core tests run directly in a browser.
- Selenium Core works on all the major browsers on all the platforms.
- Selenium Core is a simpler form of Selenium and it is suitable for non-developers
- **Disadvantages:** Must have write access on web server, because directly writes core tests in web applications. It is extremely complicated for first time users.

Introduction

- Selenium is the most powerful open source automation tool for web application testing.

- It is robust set of tools that supports rapid development of test automation for web-based applications.

- Primarily developed in Java Script and browser technologies such as DHTML and Frames and hence supports all the major browsers on all the platforms. e.g., you can have your automation scripts written for Firefox on Windows and run them on Firefox in Mac.

To Be Contd...

- Selenium provides a record/playback tool for authoring tests without learning a test scripting language.

- User can customize the selenium tool based on their requirement (code is available for the user).

Selenium Tool Suite

- Selenium Core
- Selenium IDE
- Selenium 1 (Selenium RC or Remote Control)
- Selenium Grid
- Selenium 2 (Selenium WebDriver)

Selenium Core

- **Selenium Core** is a test tool for web applications. Selenium Core tests run directly in a browser.
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- **Disadvantages:** Must have write access on web server, because directly writes core tests in web applications. It is extremely complicated for first time users.

Selenium Core

- Selenium Core is pure DHTML/JavaScript, to use Selenium Core you need to make it available from the *same web server* as the application you want to test. That means that you can't use Selenium Core (pure DHTML/JavaScript) to write a test of google.com this is because Selenium Core is pure DHTML/JavaScript, and so it is bound by JavaScript's security restrictions.
- If you can't/won't modify the web server you want to test, Selenium Core may not be the right tool for you; you may just want to use Selenium IDE or Selenium RC instead.
- If this is your first time using a Selenium tool, you may not want to just use Selenium Core directly; one good way to get introduced to Selenium's features is to use Selenium IDE , which embeds Selenium Core internally.

Selenium IDE

- It is integrated development environment for Selenium scripts.
- It is implemented as a Firefox extension, and allows you to record, edit, and debug tests.
- Selenium IDE includes the entire Selenium Core, allowing you to easily and quickly record and play back tests in the actual environment that they will run in.

Selenium RC

- It is a test tool that allows user to write automated web application UI tests in few programming languages against any HTTP website using any mainstream JavaScript-enabled browser.
- User can write the tests in Java, DotNet, Perl, Ruby and PHP.

Selenium Grid

- Selenium Grid allows you to run multiple tests in parallel, on multiple machines, in an heterogeneous environment by cutting down the time required for test execution.
- Using this, user can run multiple instances of Selenium Remote Control in parallel.

Selenium Grid

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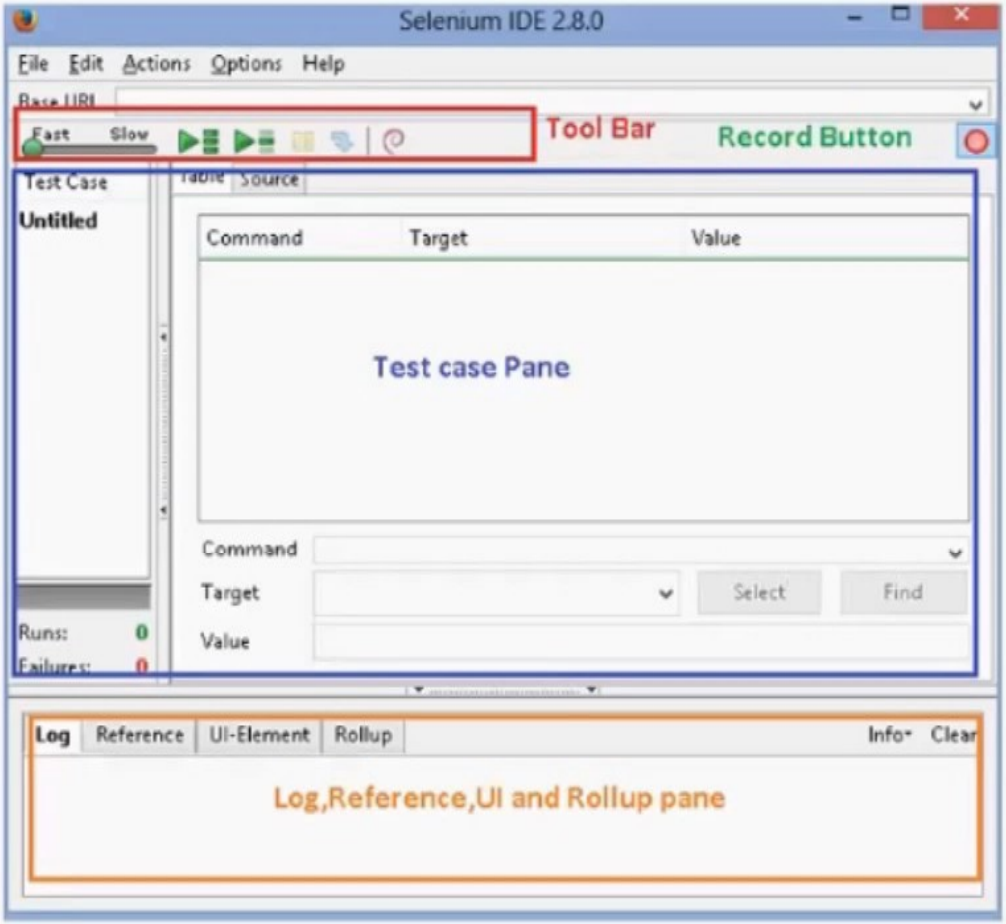
Selenium WebDriver

- WebDriver is designed to provide a simpler, more concise programming interface in addition to addressing some limitations in the Selenium-RC API.
- Selenium-WebDriver was developed to better support dynamic web pages where elements of a page may change without the page itself being reloaded.
- WebDriver's goal is to supply a well-designed object-oriented API that provides improved support for modern advanced web-app testing problems.

Introduction- Selenium IDE

- Selenium IDE (Integrated Development Environment) is a tool used to develop selenium test cases.
- It is implemented as a Firefox plug-in and is most efficient way to develop test cases.
- Allows users to record, playback, edit and debug tests in a browser.
- Keep account of user actions as they are performed and store them as a reusable script to playback.
- Records user actions in most of the popular languages like Java, C#, Perl, Ruby etc.
- Eliminates the need of learning new scripting language.

First Look of IDE



Selenium IDE Concepts

Test case pane has two tabs :

1. **Table**

It has three columns

- Command: A command is what tells Selenium what to do. It is often called as *Selenese*. The Command column has a list of all the commands that are needed to create a test.
- Target: Element Locators tell Selenium which HTML element a command refers to.

  The Target textbox at the end of the pane allows user to input the location of the element that user wants to work against.
- Value: This column displays the actual value that is present in the UI element.

  Using Value textbox user can change the value.

Selenium IDE Concepts

2. Source Pane

- Displays the test case in the native format in which the file will be stored.
- By default, this is HTML although it can be changed to a programming language such as Java or C#, or a scripting language like Python.
- The Source view also allows one to edit the test case in its raw form, including copy, cut and paste operations.

Selenium IDE Concepts

Log/Reference/UI-Element/Rollup Pane

- Log: It displays current execution status for all steps. It is useful for debugging.
- Reference: Displays information about the current command such as which parameters are required for current command and all
- UI-Element
- Rollup

Recording first Test Case using IDE

- Open Firefox that has Selenium IDE installed.
- Open the URL of the application to record.
- Go To Tools → Selenium IDE and IDE will be opened.

Commonly Used Selenium Commands

- Open- opens a page using URL.
- click/clickAndWait- performs a click operation, and optionally waits for a new page to load.
- verifyTitle/assertTitle- verifies an expected page title.
- verifyTextPresent- verifies expected text is somewhere on the page.

Commonly Used Selenium Commands

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Commonly Used Selenium Commands

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- verifyTitle/assertTitle- verifies an expected page title.
- verifyTextPresent- verifies expected text is somewhere on the page.
- verifyElementPresent- verifies an expected UI element, as defined by its HTML tag, is present on the page.
- verifyText- verifies expected text and its corresponding HTML tag are present on the page.
- verifyTable- verifies a table's expected contents.
- waitForPageToLoad- pauses execution until an expected new page loads. Called automatically when clickAndWait is used.

Verifying page elements

- Selenese allows multiple ways of verifying UI elements.

- All Selenium Assertions can be used in 3 modes:

✓ Assert – Upon failure test is aborted

✓ Verify – Upon failure error is logged and test continues

✓ WaitFor – Waits for a conditions truth lines for given timeout

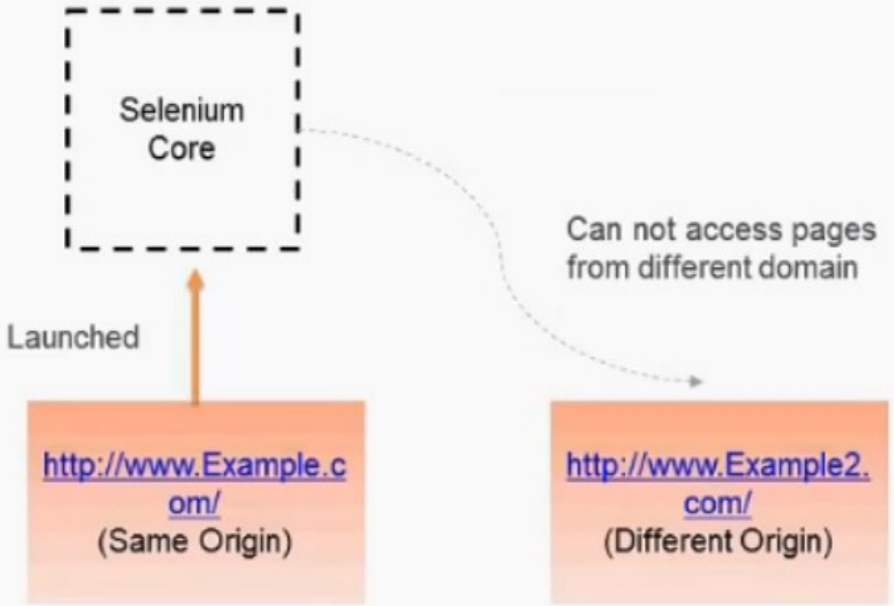
- Verifications and assertions are used to check if
  - an element is present somewhere on the page?
  - specific text is at a specific location on the page?
- If an assertion fails, the script will be aborted but if a verification fails the script will continue.

Limitations of Selenium IDE

- Can run Tests only on Firefox browser.
- Silverlight and Flex/Flash applications cannot be recorded with Selenium IDE.
- No Programming logic (like loops, conditional statements) can be applied.
- Selenium IDE can execute scripts created in Selenese only.
- It is difficult to use Selenium IDE for checking complex test cases involving dynamic contents

Selenium RC

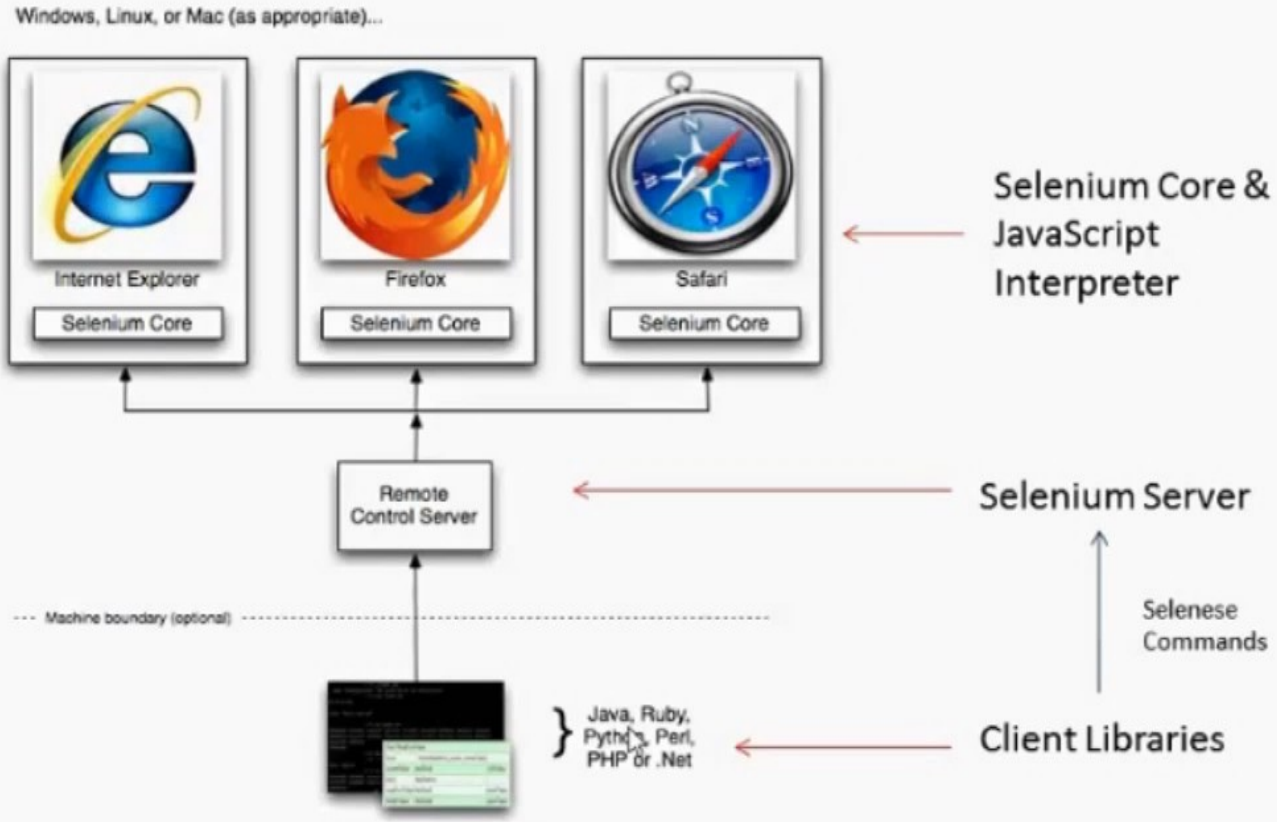
- Same origin policy



Selenium RC

- Selenium Remote Control is a test tool that allows users to write automated web application in any programming language (Java, .NET, Perl, Python, and Ruby, PHP)
- Selenium Remote Control provides a Selenium Server, which can automatically start/stop/control, any supported browser.
- The Selenium Server communicates directly with the browser.
- You can send commands directly to the Server using simple HTTP GET/POST requests
- Selenium Server acts as a client-configured HTTP proxy, to stand in between the browser and your website.

Selenium RC



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Installing & Running Selenium Server

- **Installing Selenium Server**
  - Selenium RC server is simply a Java *jar* file (*selenium-server-standalone-<version-number>.jar*)
  - Doesn't require any special installation. Just downloading the zip file and extracting the server in the desired directory is sufficient.
- **Running Selenium Server**
  - Before starting any tests you must start the server.
  - Go to the directory where Selenium RC's server is located and run the following from a command-line console.
  - java -jar selenium-server-standalone-<version-number>.jar

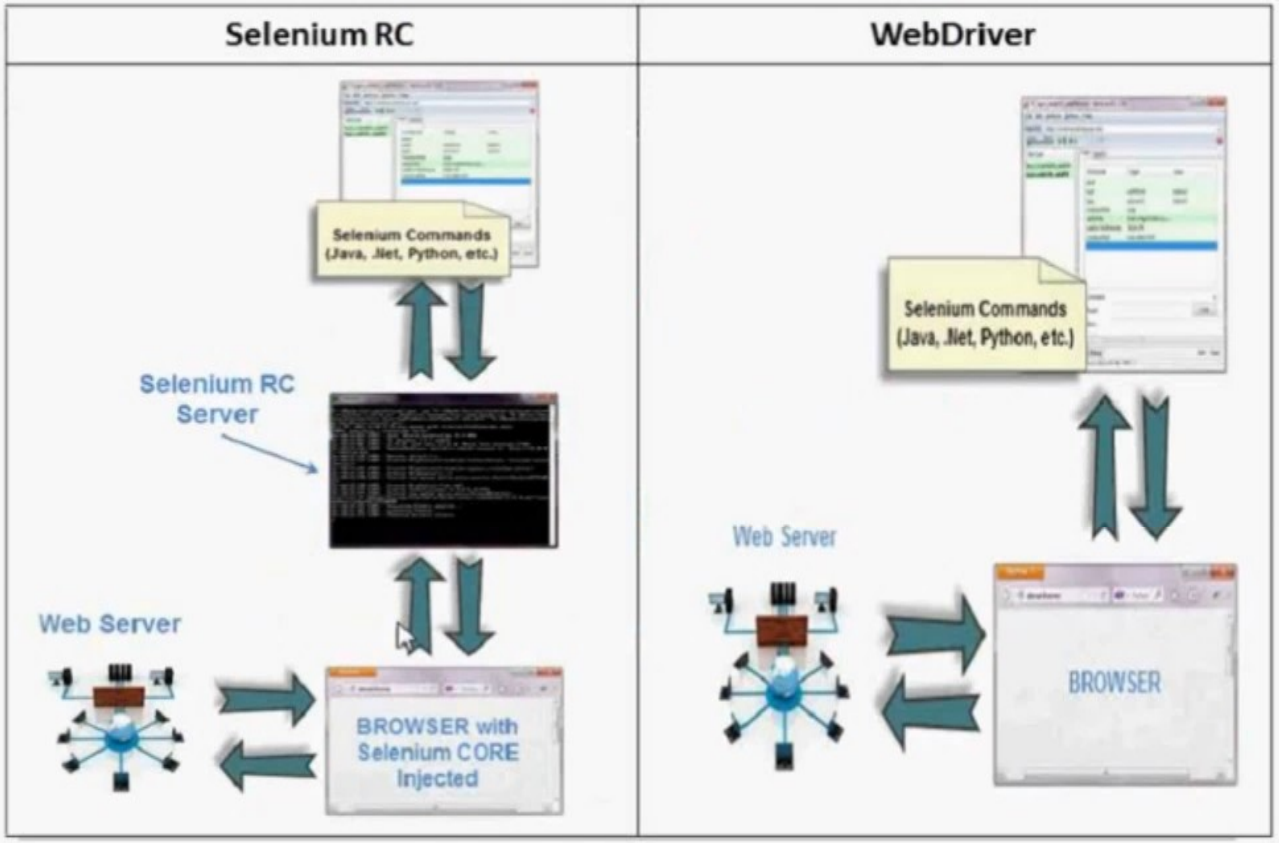
Disadvantages

- Test scripts do not communicate with browser directly. We need to start RC server before executing scripts.
- Speed of execution is slow as RC server acts as middleware
- Knowledge of programming language is must
- API's are less object oriented
- It does not support to test iPhone/android applications

Introduction to WebDriver

- WebDriver is a tool for automating web applications across different browsers using different programming languages(Java, ruby, C#, etc.)
- WebDriver refers to both, the language bindings and the implementations of the individual browser controlling code. This is commonly referred to as just "WebDriver".
- Selenium 1.0 + WebDriver = Selenium 2.0
- The WebDriver API is defined by a set of interfaces to discover and manipulate DOM elements on a page
- A platform and language-neutral interface
- Selenium-WebDriver was developed to better support dynamic web pages where elements of a page may change without the page itself being reloaded (Ajax calls).
- WebDriver is a compact Object Oriented API

Difference between Selenium RC and WebDriver



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Difference between Selenium RC and WebDriver

Selenium RC	Selenium WebDriver
Required to start server before executing the test script.	Doesn't require server before executing the test script.
RC is fully written in Javascript and Javascript's security policy (**same origin policy**) allows running the code only from the domain you're on. So you can't easily switch between domains or work with some websites that redirect or use frames with content from many domains.	WebDriver uses browser's native support for automation
Selenium RC is slower since it uses a Javascript program called Selenium Core.	WebDriver is faster than Selenium RC since it speaks directly to the browser
Because of another security policy in Javascript, you can't fill in <input type='file' /> inputs (file upload) and have to use several workarounds	WebDriver drives the browser much more effectively and overcomes the limitations of Selenium 1.x which affected handling of file upload or download

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Difference between Selenium RC and WebDriver

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Selenium RC is slower since it uses a Javascript program called Selenium Core.	WebDriver is faster than Selenium RC since it speaks directly to the browser
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Limitations

- Can't automate desktop applications
- Its and open source tool so in case of any technical issues you need to rely on the selenium community forums to get your issue resolved.
- No inbuilt reporting capability so you need plugins like JUnit and TestNG for test reports.
- Lot of challenges with IE browser.

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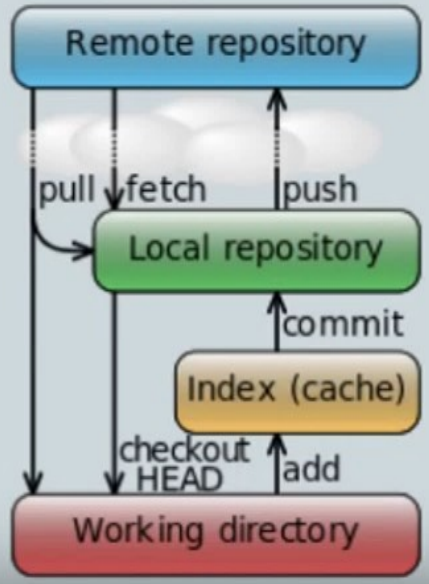
MANDATORY | INTELECTUAL | REST API | HBS-SIS | +

d GitHub Version Control Tutorial - Part 2

Recap Part 1



- Git version control
- Git Bash
  - git init <project>
  - git add <file or .>
  - git commit –m “msg”
  - git status
  - git log
  - git diff
  - git diff --cached

1:14 / 39:08

YouTube

Git and GitHub Version Control Tu...

0 0 0

GIT AND GITHUB VERSION CONTROL O... 03.04.

Git and GitHub Version Control Tut Part 2

Source : YouTube

00.39.09

Git and GitHub Version Control Tut Part 3

Source : YouTube

01.05.07

Git and GitHub Version Control Tut Part 4

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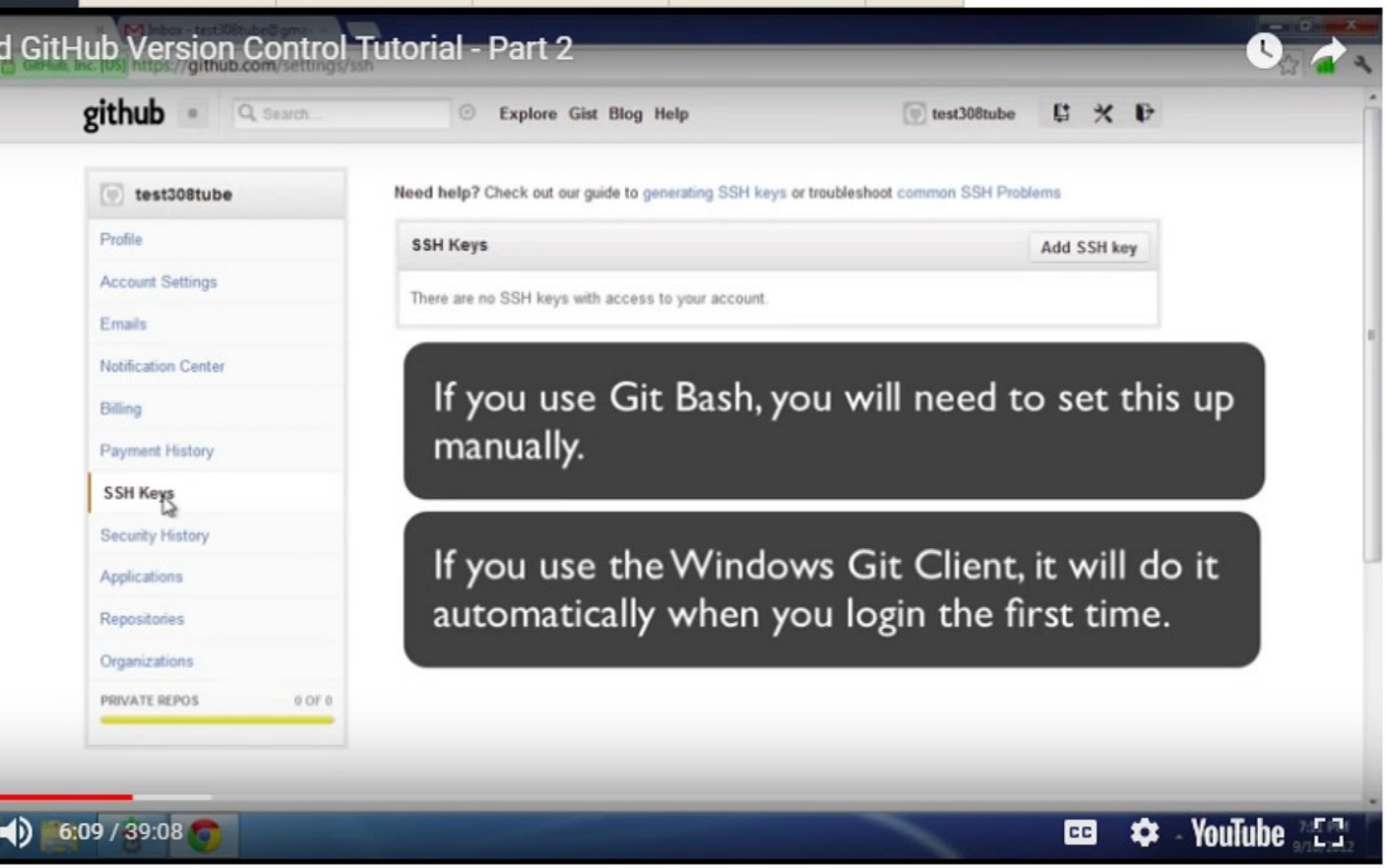

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Git and GitHub Version Control Tut
Part 2

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Git and GitHub Version Control Tut
Part 3

Source : YouTube

01.05.07

Git and GitHub Version Control Tut
Part 4

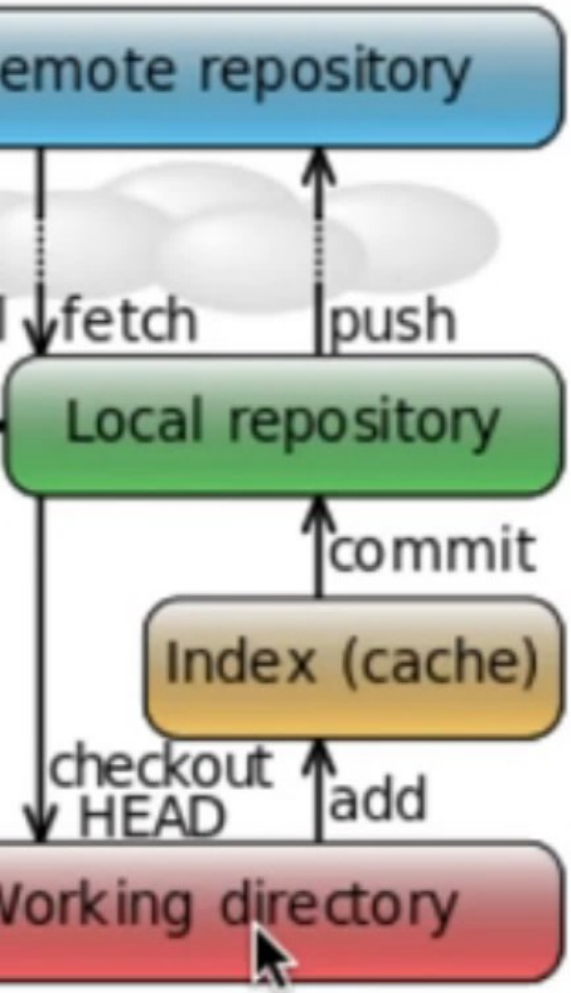
Source : YouTube

00.56.00

Why use Version Control

- Made a change to code and need to revert back to a known good state
- Have to maintain multiple versions of the software
- Wanted to see the difference between two revisions
- Wanted to test if a particular a version is broken or fixed
- Wanted to see how long a bug existed for
- Wanted to experiment without interfering with working code

ta Flow



from Wikipedia

Explanation

A project is the files/source code a developer is currently w
changes to the project.

Remote repository

A centralize Git server to host all your git-projects. A cent
(share) your git-projects to different user/developers. Mos
to-date is highly recommended. In our case, GitHub woul

Ok, a couple of important things to know before talking abo
remote repo... that is because you will have the git softwar
like making your project a git-project, committing changes
Working directory are all contained in your git-project.

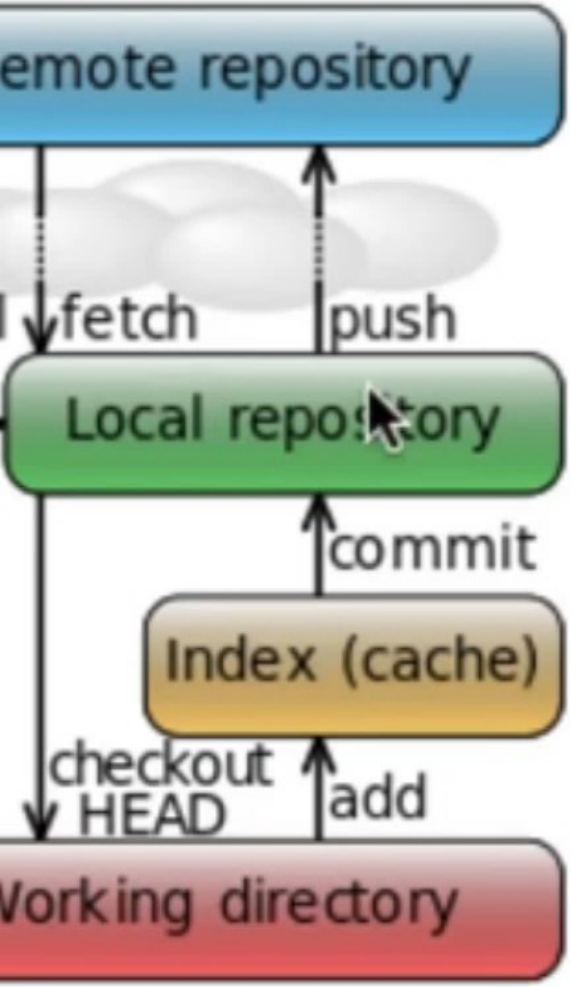
A commit is a snapshot that you refer back to.

A local repo is a git-project on your computer. If you were
clone (exact copy) of the remote git-project. When you ma
update (push) the git-project to remote repo.

Index (cache) - Staging

he Git technology.

ta Flow



from Wikipedia

Explanation

A commit or snapshot will be sa
your local repository. Once tha
done, the staging area is wiped c

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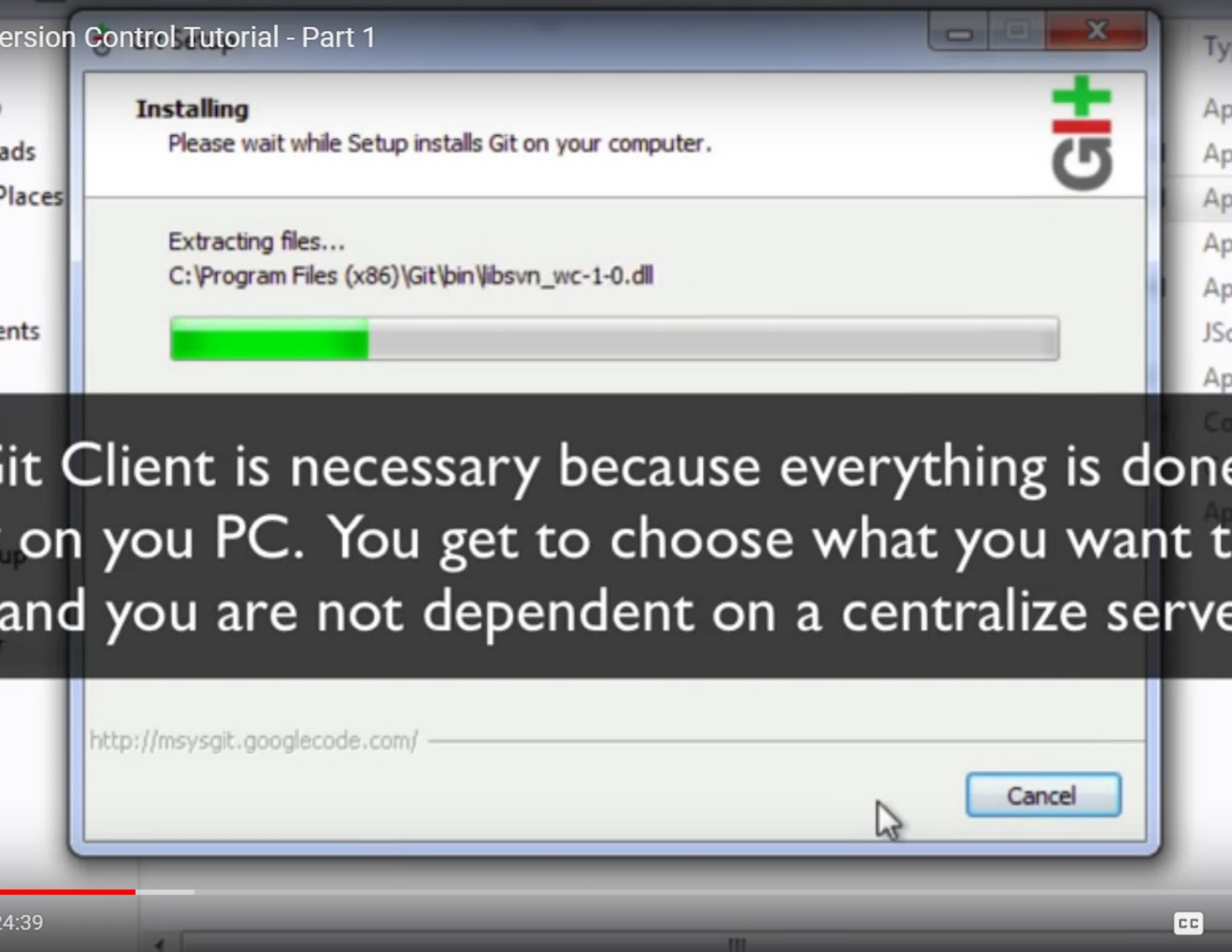
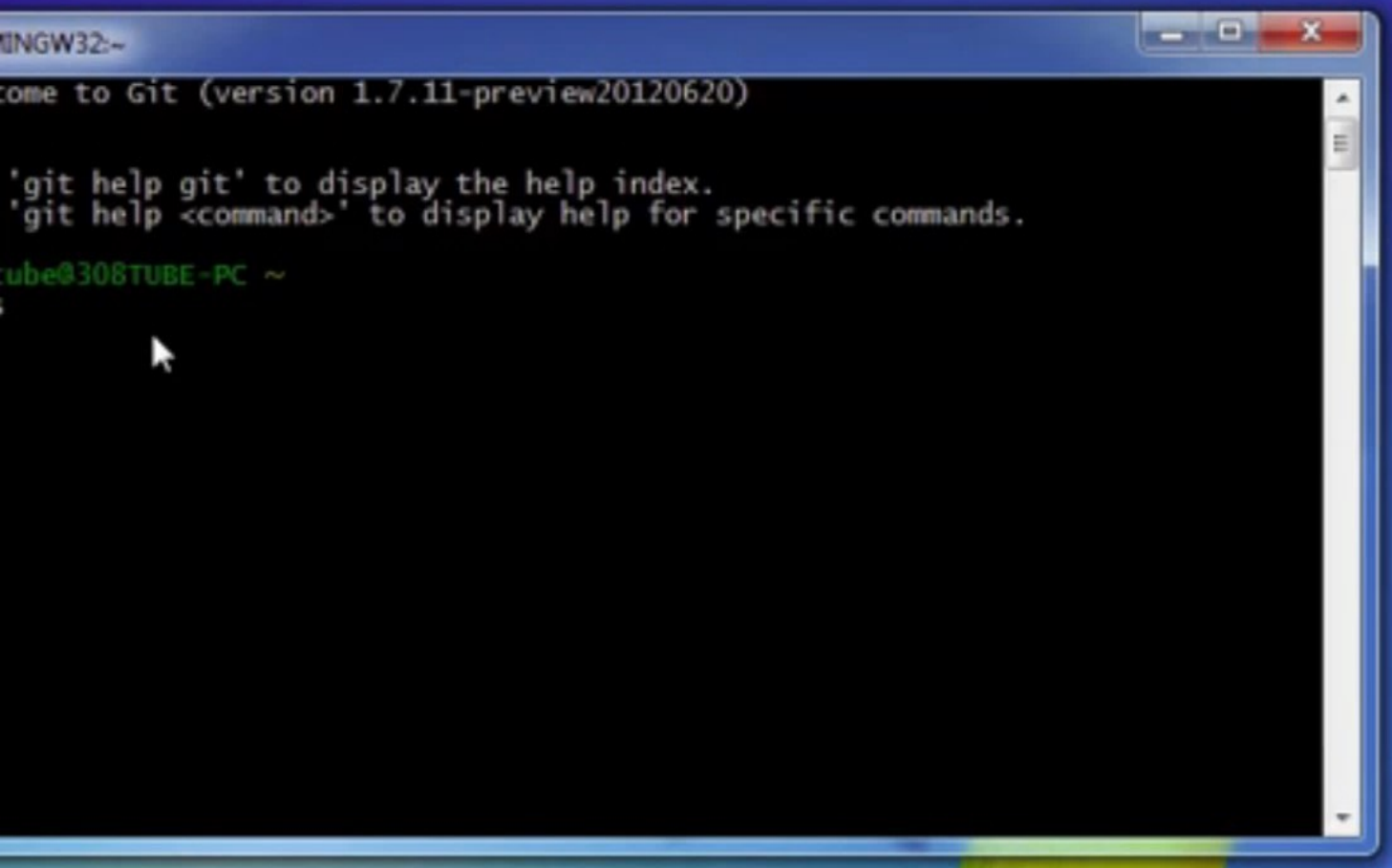

ersion Control Tutorial - Part 1
Installing
Please wait while Setup installs Git on your computer.
Extracting files...
C:\Program Files (x86)\Git\bin\libsvn_wc-1-0.dll
it Client is necessary because everything is done
on you PC. You get to choose what you want t
and you are not dependent on a centralize serve
http://msysgit.googlecode.com/
Cancel
24:39

ersion Control Tutorial - Part 1



ls = list all file in the directory

Stube.com/youtube/github/#

Table to Contents | Setup and Install | Git and GitHub

Hub Tutorial Series

tion | Definitions | FAQ

?

ersion control and source code management system. Distributed meaning every user gets his/her own copy of the repository. A repository is a

lor revision co

eral Public License (GNU) version 2. Meaning its free to use. So what is important to understand is that GitHub does not own Git, they are just

ogy.

Step 1: git init <project> project now repositor

Step 2: git add . add all files to staging

Step 3: git commit -m "message" snapshot

Explanation

A project is the files/source code a developer is currently writing. A git-project is a project that is using git to track/manage changes to the project.

Re

A centralize Git server to host all your git-projects. A central repository (repo) is not required but it is the best way to distribute (share) your git-projects to different user/developers. Most would call the remote repository (repo) the Cloud and it is best to use is highly recommended. In our case, GitHub would be our remote repo. They all work together as a unit.

Ok, there are two important things to know before talking about the rest of the diagram. One, you have a remote repo... that is because you will have the git software on your computer, which means you can use all of the git features like committing changes and using branching. The second is that your Working directory are all contained in your git-project.

git status status of files

git log commit history

git diff view differences

git diff --cached differences in staging

Local repository

A local repo is a git-project on your computer. If you were to have a Remote repository (GitHub), then the local repo would be a clone (exact copy) of the remote git-project. When you make changes to your local repo like adding code, you will need to update (push) the git-project to remote repo.

Index (cache) - Staging

sitory

push

ository

commit

(cache)

add

ctory

Preparation for Part 3

- Quick Overview
- Branching
  - Allows you to create a separate working copy of you code with you have to duplicate the project.
- Merging
  - Allow you to merge branches together
- Cloning
  - Other developers can get a copy of your code from a remote repository
- Forking
  - Forking is not a git term, it's a term GitHub uses to promote social coding

/coderwall.com/p/0c7a9a/some-git-basic-commands

modified and unstaged files)
ectoy and file formats to add)
l the files in the directory)
the files in the whole project)

staged difference)

name> (unstage the files ,HEAD refers to last commit,current branch)

name> (blow away all changes since last commit)

mmit message" (-a add changes from all tracked files,doesn't add new untracked files)

ont do these after push)

^ (soft -reset into staging.^ move to
i.e last commit)

D^ (undo last commit and all changes .. only if something went horribly)

D^^ (undo last 2 commits and all changes)

e> <address>
https://address (add:new remote,origin: our name for this remote(can be any name))

emote reps)

commit

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/coderwall.com/p/0c7a9a/some-git-basic-commands

nands trying to explain in single line ..

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emote reps)

commit

m "message" (amend adds to the last commit)

ster(origin: remote rep name, master:local branch to push)

e> (remove remotes)

master

me

ar

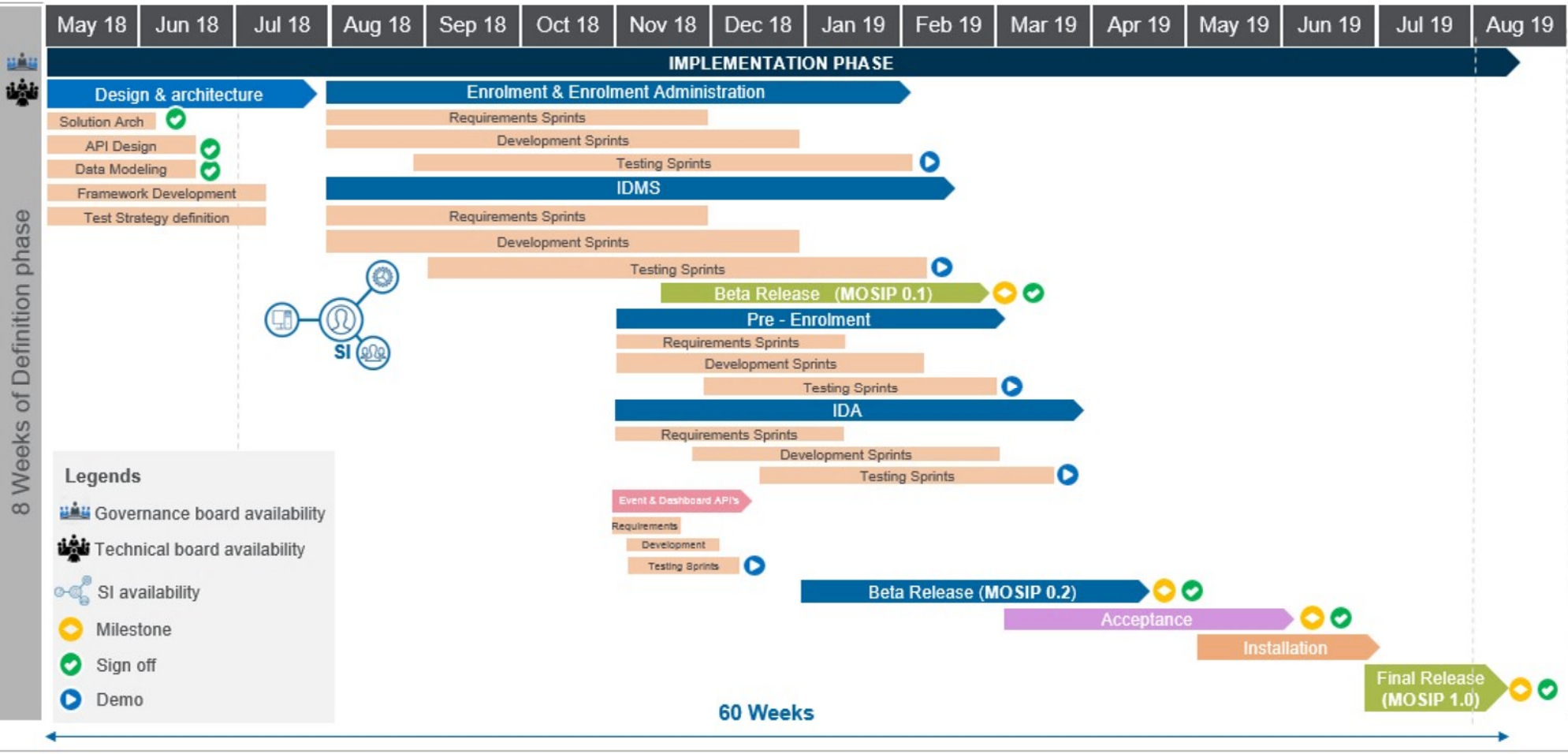
Say Thanks Update Notifications Off Respond

/pws.mindtree.com/projects/NP-087/_layouts/15/WopiFrame.aspx?sourcedoc=/projects/NP-087/Docs/Project%20Management/Program%20Plan/MOSIP1.0_Roadmap-Final.pptx&action=d

Microsoft PowerPoint Web App

SHARE START SLIDE SHOW COMMENTS

MOSIP1.0 Roadmap



Mindtree

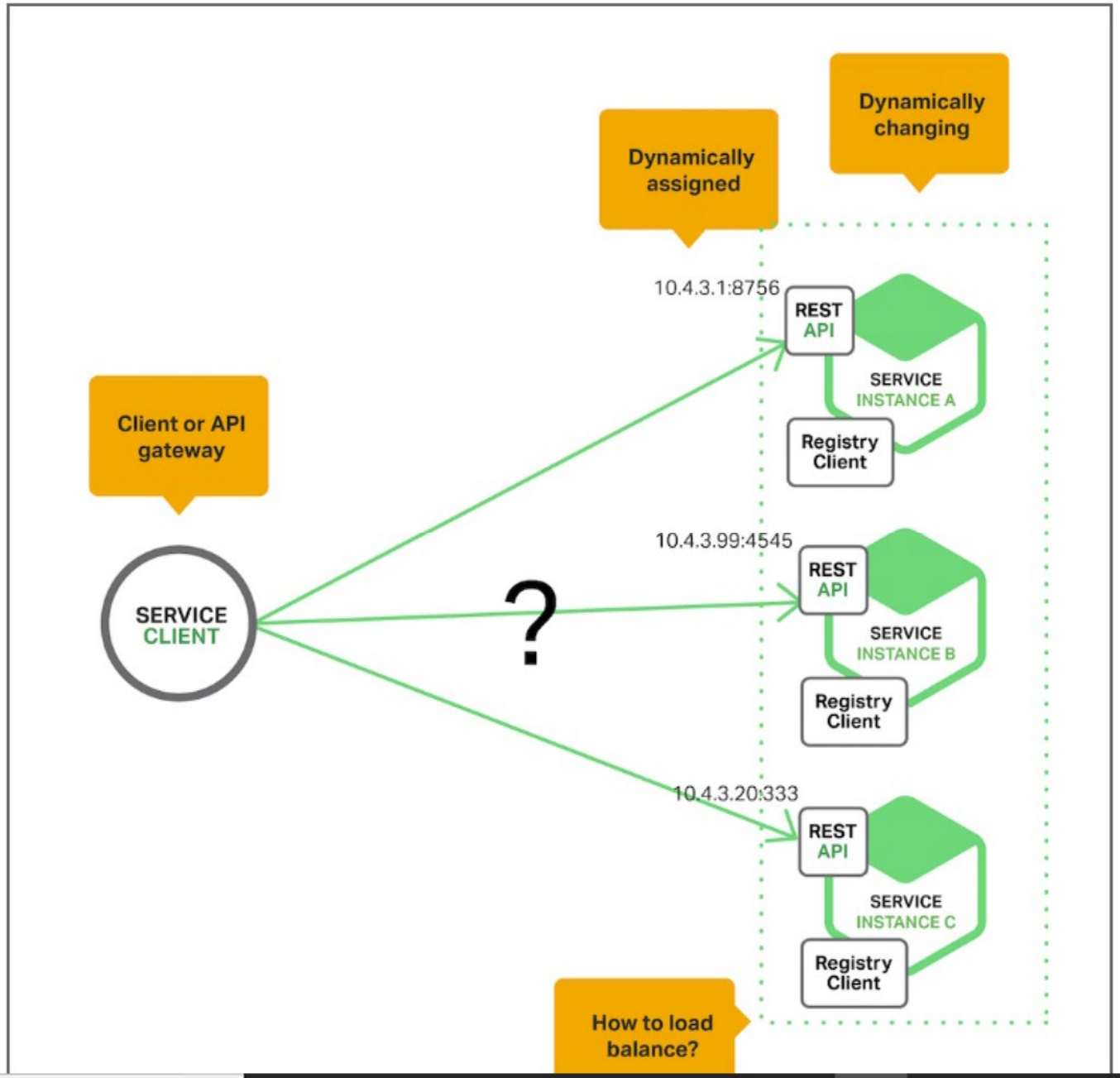
[1]	Mindtree Response Modular Open Source Identity System (MOSIS 1.0) (Mindtree Response - MOSIS Kernel Implementation.docx)		Shared over e-mail
[2]	ISO/IEC/IEEE 42010: International standard for architecture descriptions of systems and software		http://ieeexplore.ieee.org/document/6129467/

Glossary

Terminology	Definition	Remarks
ABIS	Automated Biometric Identification System	
ara	Arabic	Language code
BPOs	Business Process Outsourcing	
CK	Core Kernel	
DMS	Document Management System	
fra	French	Language code
HSM	Hardware Security Module	
IDMS	Identity Management System	
IDP	Identity Platforms	
IND	India	Country code
MA	Morocco	State/Province/ Sub-division code
MAR	Morocco	Country code
MDM	Master Data Management	
MN	Myanmar	State/Province/ Sub-division code
NFR	Non-functional requirements	
OSI	Open Source Initiative	
PKI	Public Key Infrastructure	
RFC	Request For Comments	

Compute and Networking

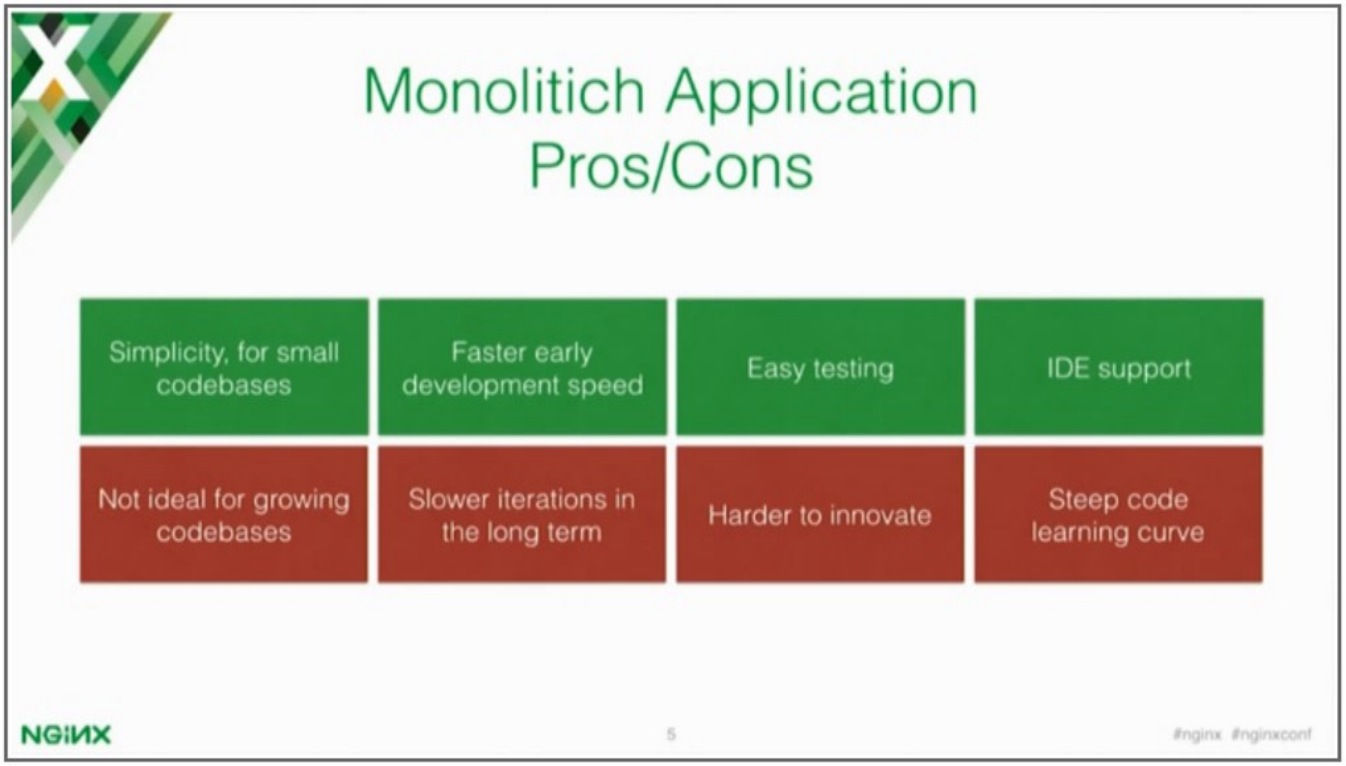
- Amazon EC2
  - RHEL
  - CentOS
  - Ubuntu
  - Debian
  - Fedora
  - Amazon Linux
  - Oracle Linux
  - Microsoft Windows Servers
- Amazon Route53
- Amazon VPC


Dynamically changing
Dynamically assigned
10.4.3.1:8756
REST API
SERVICE INSTANCE A
Registry Client
Client or API gateway
SERVICE CLIENT
?
10.4.3.99:4545
REST API
SERVICE INSTANCE B
Registry Client
10.4.3.20:333
REST API
SERVICE INSTANCE C
Registry Client
How to load balance?

of these entities in the app will use for storing and retrieving data.

Monolithic architectures can be horizontally scaled by deploying the same huge chunk of code over and over again on multiple servers. So every time we scale the the app, we're scaling all of these components all together so it's one unique piece.

1:45 Monolithic Application Pros and Cons

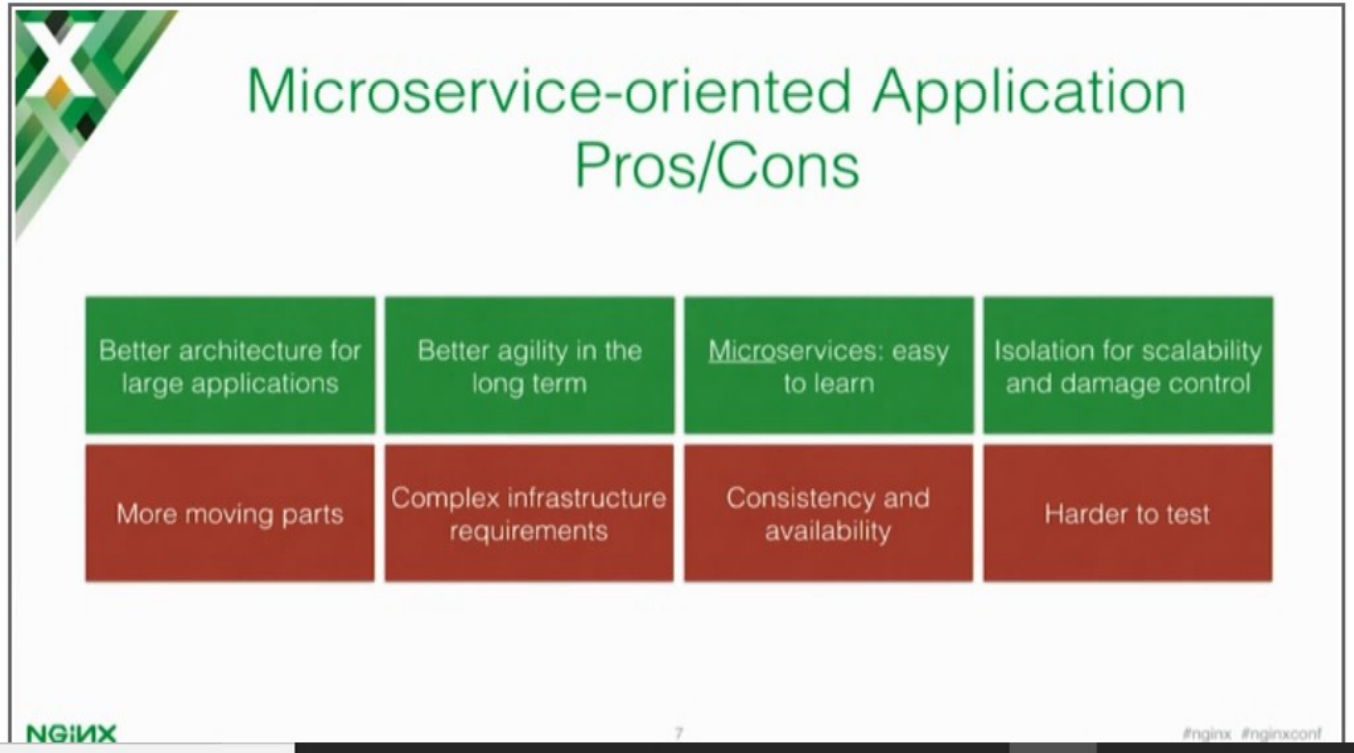


With every approach, there are pros and cons. Monolithic applications can be very easy to build and start with smaller codebases. We can build and bake everything in the same code base, which means we don't

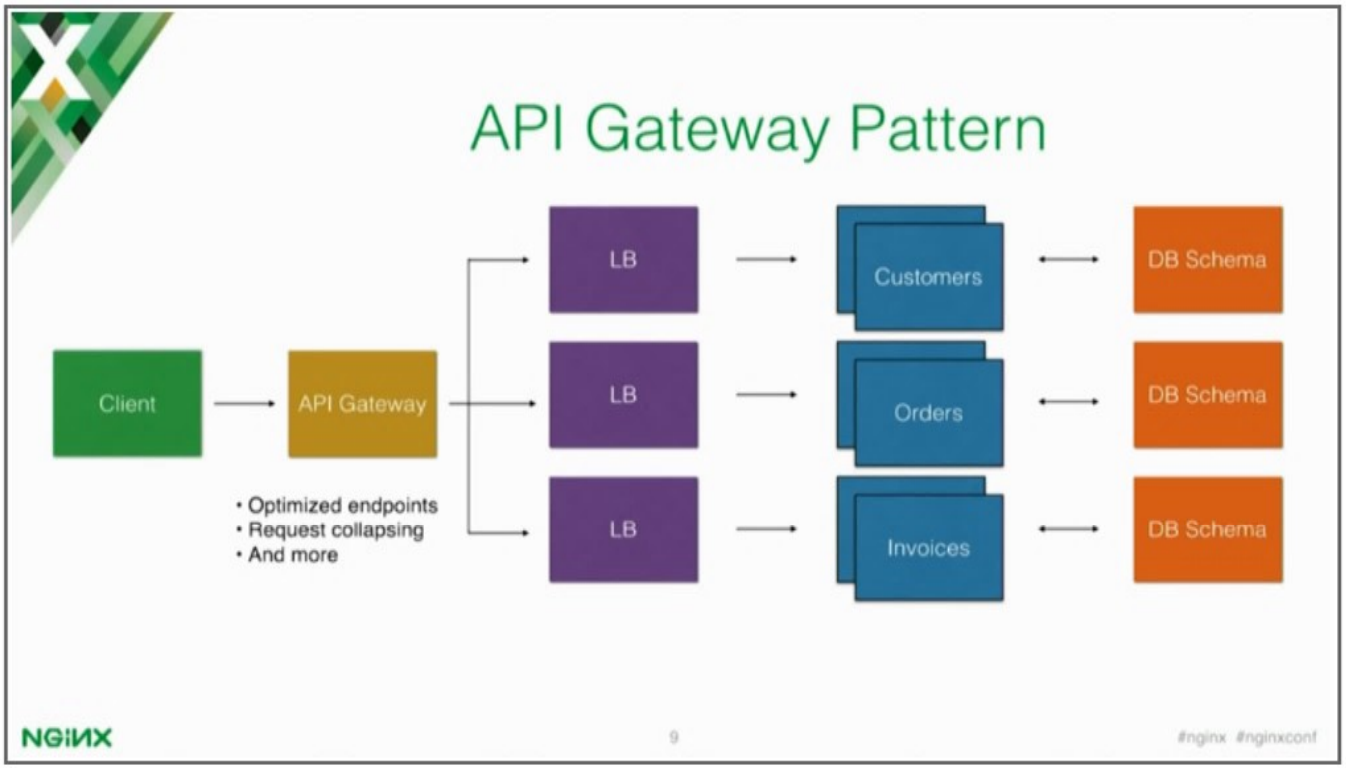
can create a new order and then instead of the client creating a new order and a new invoice, you can create a new order and the Orders component will then push an invoice event, and something else can listen to this event and create an invoice automatically for it.

So you can build an asynchronous application that does not depend on the client and it can work autonomously. This also means that, for example, if the Invoices component isn't running, you can retry that operation later.

5:47 Microservice-Oriented Application Pros and Cons

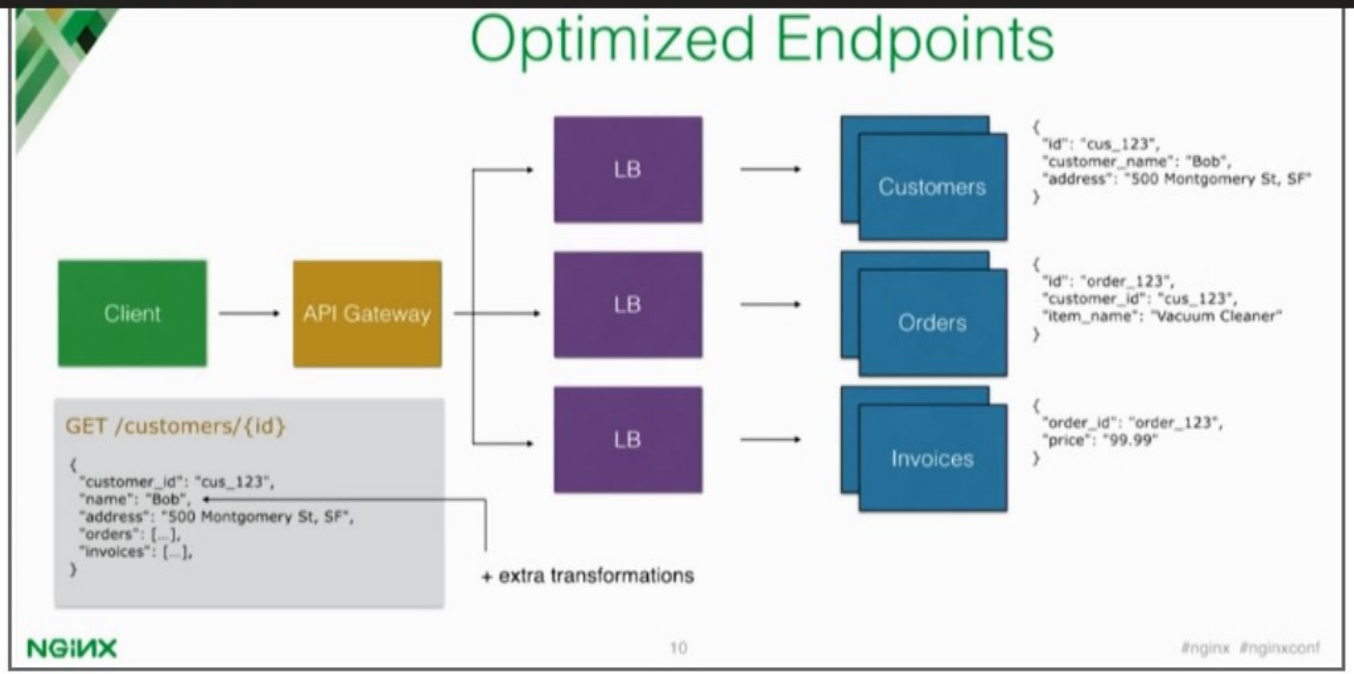


11:54 API Gateway Pattern



The API gateway pattern means that you put an API gateway in front of your microservices and make the API gateway become the entry point for every new request that's being executed by the app. This can simplify significantly both the client implementations and the microservices app.

Before, the Client had to make a request to Customers, then to Orders, then to Invoices. The Client needed to understand how to consume these different services together. With an API gateway, we can abstract all this complexity and create, for example, optimized endpoints that the Client can use and that under the



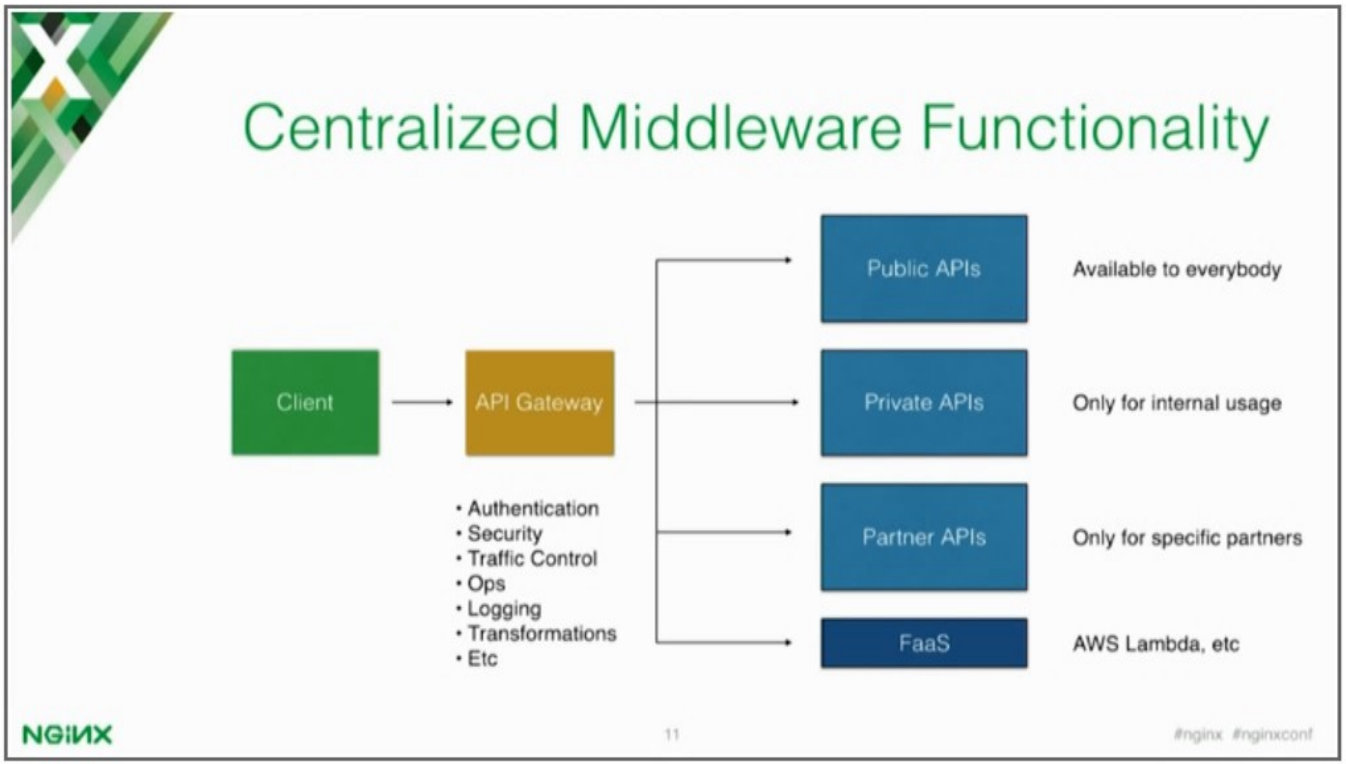
For example, optimized endpoints. If we assume that each component returns different JSON responses for Customers, Orders, and Invoices, and let's say the Client wants to retrieve this information. There are two ways. In the first way, it's making a `GET` request to the Customers component to retrieve the customer, then to Orders and then to Invoices for a specific order.

Or we can abstract this client implementation complexity by using an API gateway. The API gateway can then expose a specific endpoint that under the hood will make those requests and then return to the client one unique response after it [the gateway] has consumed the microservices.

This means, for example, we can collapse all of those responses into one response and one request. This helps a lot and is very beneficial especially for mobile clients. You can speed up the mobile implementations and you can also do things like transformations.

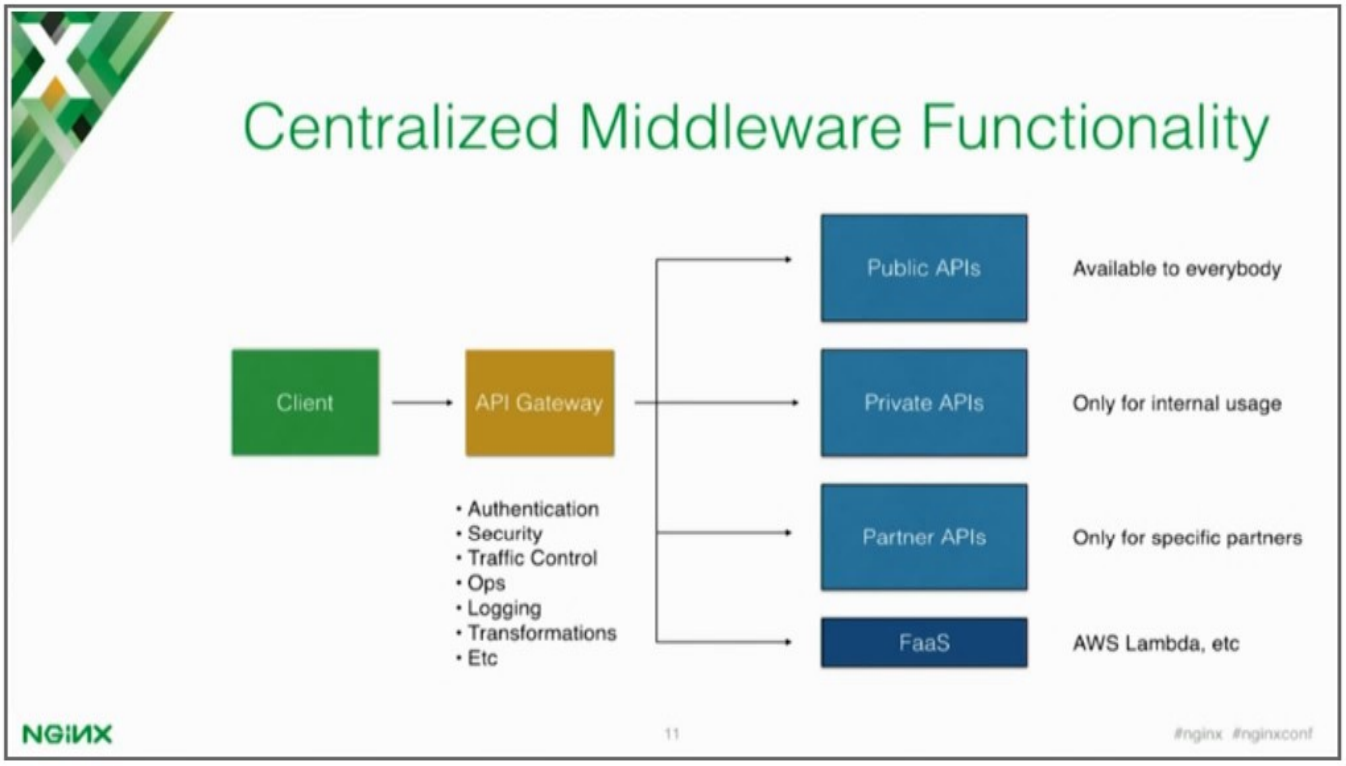
The API gate will over time implement and consume the underlying upstream services while keeping the client working. Having an API gateway can help this transition.

15:28 Centralized Middleware Functionality



Of course creating optimized endpoints is just one of the benefits of having an API gateway. You can also centralize middleware functionality. As you start creating more and more services, you'll find yourself in a tough spot – you'll need authentication and traffic control for the services.

15:28 Centralized Middleware Functionality



Of course creating optimized endpoints is just one of the benefits of having an API gateway. You can also centralize middleware functionality. As you start creating more and more services, you'll find yourself in a tough spot – you'll need authentication and traffic control for the services.

Some of them will be public, some will be private, and some will be partners' APIs that you want to make available to just some specific users. Sooner or later you will be finding yourself in a place where you're implementing the same middleware functionality over and over again inside of the microservice.

://tools.ietf.org/html/rfc6749

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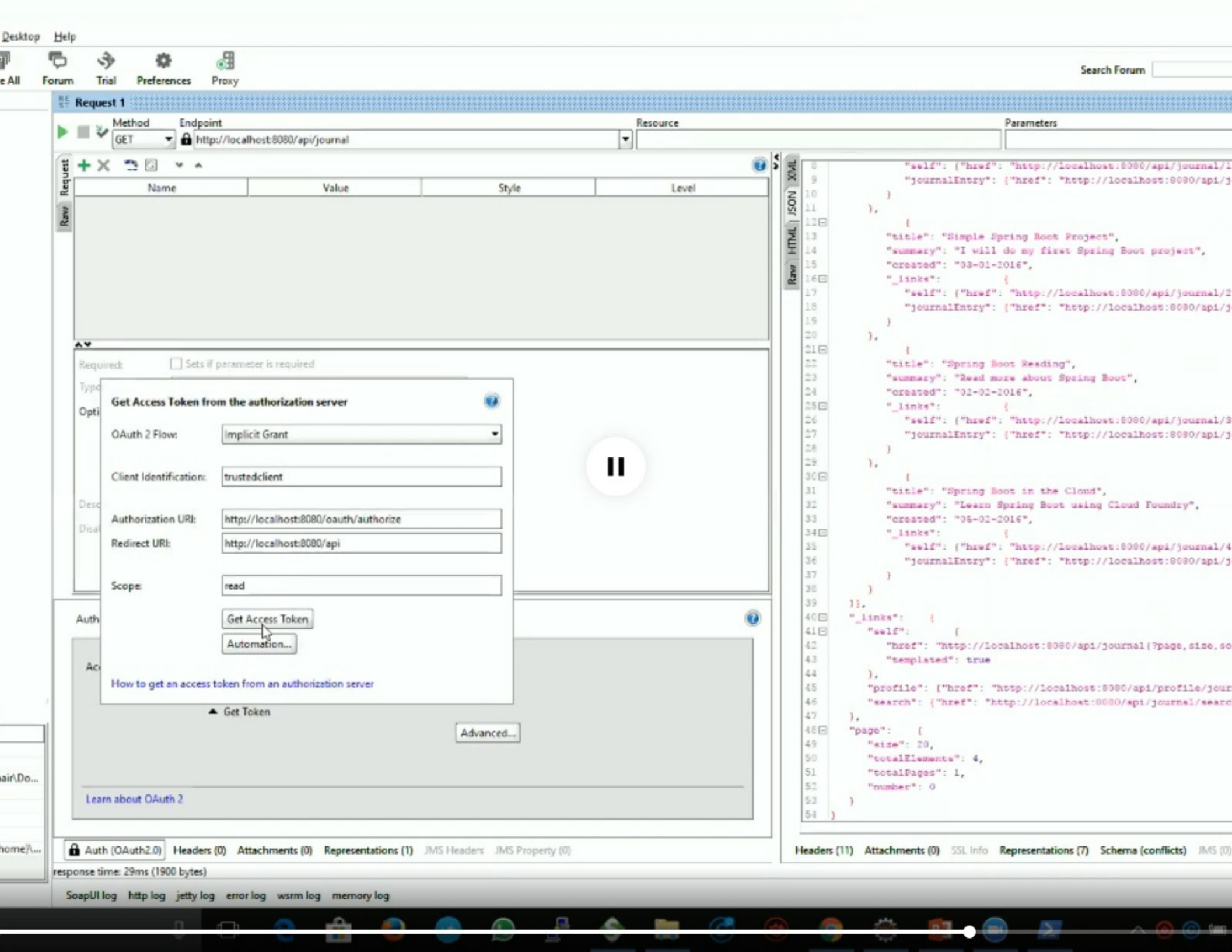
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Search Forum
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Method GET
Endpoint http://localhost:8080/api/journal
Resource
Parameters
Request Raw
Name Value Style Level
Required: Sets if parameter is required
Get Access Token from the authorization server
OAuth 2 Flow: Implicit Grant
Client Identification: trustedclient
Authorization URI: http://localhost:8080/oauth/authorize
Redirect URI: http://localhost:8080/api
Scope: read
Get Access Token
Automation...
How to get an access token from an authorization server
Get Token
Advanced...
Learn about OAuth 2
XML JSON HTML Raw
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response time: 29ms (1900 bytes)
SoapUI log http log jetty log error log wsrm log memory log