

Funktionierende Umgebung

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Discovery Service (DiscoveryService-Eureka)

```
Run DiscoveryServiceApplication
2022-11-21 16:14:18.803 INFO 18328 --- [main] c.n.eureka.cluster.PeerEurekaNodes : Adding new peer nodes [http://localhost:8010/eureka/]
2022-11-21 16:14:18.984 INFO 18328 --- [main] c.n.d.provider.DiscoveryJersyProvider : Using JSON encoding codec LegacyJacksonJson
2022-11-21 16:14:18.984 INFO 18328 --- [main] c.n.d.provider.DiscoveryJersyProvider : Using JSON decoding codec LegacyJacksonJson
2022-11-21 16:14:18.984 INFO 18328 --- [main] c.n.d.provider.DiscoveryJersyProvider : Using XML encoding codec XStreamXml
2022-11-21 16:14:18.984 INFO 18328 --- [main] c.n.d.provider.DiscoveryJersyProvider : Using XML decoding codec XStreamXml
2022-11-21 16:14:19.072 INFO 18328 --- [main] c.n.eureka.cluster.PeerEurekaNodes : Replica node URL: http://localhost:8010/eureka/
2022-11-21 16:14:19.079 INFO 18328 --- [main] c.n.e.registry.AbstractInstanceRegistry : Finished initializing remote region registries. All known remote regions: []
2022-11-21 16:14:19.079 INFO 18328 --- [main] c.n.eureka.DefaultEurekaServerContext : Initialized
2022-11-21 16:14:19.092 INFO 18328 --- [main] o.s.b.a.e.web.EndpointLinksResolver : Exposing 1 endpoint(s) beneath base path '/actuator'
2022-11-21 16:14:19.124 INFO 18328 --- [main] o.s.c.n.e.s.EurekaServiceRegistry : Registering application DISCOVERYSERVICE with eureka with status UP
2022-11-21 16:14:19.138 INFO 18328 --- [Thread-9] o.s.c.n.e.server.EurekaServerBootstrap : isAws returned false
2022-11-21 16:14:19.139 INFO 18328 --- [Thread-9] o.s.c.n.e.server.EurekaServerBootstrap : Initialized server context
2022-11-21 16:14:19.139 INFO 18328 --- [Thread-9] c.n.e.r.PeerAwareInstanceRegistryImpl : Got 1 instances from neighboring DS node
2022-11-21 16:14:19.139 INFO 18328 --- [Thread-9] c.n.e.r.PeerAwareInstanceRegistryImpl : Renew threshold is: 1
2022-11-21 16:14:19.139 INFO 18328 --- [Thread-9] c.n.e.r.PeerAwareInstanceRegistryImpl : Changing status to UP
2022-11-21 16:14:19.146 INFO 18328 --- [Thread-9] e.s.EurekaServerInitializerConfiguration : Started Eureka Server
2022-11-21 16:14:19.158 INFO 18328 --- [main] o.s.b.w.embedded.tomcat.TomcatWebServer : Tomcat started on port(s): 8010 (http) with context path ''
2022-11-21 16:14:19.159 INFO 18328 --- [main] .s.c.n.e.s.EurekaAutoServiceRegistration : Updating port to 8010
2022-11-21 16:14:19.368 INFO 18328 --- [main] a.b.fh.DiscoveryServiceApplication : Started DiscoveryServiceApplication in 5.742 seconds (JVM running for 6.21)
```

Konfigurationsserver (ConfigServer)

```
DiscoveryServiceApplication ConfigServerApplication
:: Spring Boot ::
(v2.7.5)

2022-11-21 16:14:57.991 INFO 10672 --- [main] a.burgenland.fh.ConfigServerApplication : Starting ConfigServerApplication using Java 18.0.2.1 on LAPTOP-RVJ6DUF2 with PID 10672 (C:\Use
2022-11-21 16:14:57.994 INFO 10672 --- [main] a.burgenland.fh.ConfigServerApplication : No active profile set, falling back to 1 default profile: "default"
2022-11-21 16:14:59.158 INFO 10672 --- [main] o.s.cloud.context.scope.GenericScope : BeanFactory id=ae387d3f-6fd3-367a-bf3a-fe62efa73038
2022-11-21 16:14:59.578 INFO 10672 --- [main] o.s.b.w.embedded.tomcat.TomcatWebServer : Tomcat initialized with port(s): 8888 (http)
2022-11-21 16:14:59.588 INFO 10672 --- [main] o.apache.catalina.core.StandardService : Starting service [Tomcat]
2022-11-21 16:14:59.589 INFO 10672 --- [main] org.apache.catalina.core.StandardEngine : Starting Servlet engine: [Apache Tomcat/9.0.68]
2022-11-21 16:14:59.703 INFO 10672 --- [main] o.a.c.c.C.[Tomcat].[localhost].[/] : Initializing Spring embedded WebApplicationContext
2022-11-21 16:14:59.703 INFO 10672 --- [main] w.s.c.ServletWebServerApplicationContext : Root WebApplicationContext: initialization completed in 1623 ms
2022-11-21 16:15:02.586 INFO 10672 --- [main] o.s.b.w.embedded.tomcat.TomcatWebServer : Tomcat started on port(s): 8888 (http) with context path ''
2022-11-21 16:15:02.698 INFO 10672 --- [main] a.burgenland.fh.ConfigServerApplication : Started ConfigServerApplication in 5.488 seconds (JVM running for 5.968)
```

Gateway Service (API Gateway)

```
Run DiscoveryServiceApplication ConfigServerApplication APIGateway
2022-11-21 16:15:42.524 INFO 10712 --- [main] com.netflix.discovery.DiscoveryClient : The response status is 200
2022-11-21 16:15:42.523 INFO 10712 --- [main] com.netflix.discovery.DiscoveryClient : Starting heartbeat executor: renew interval is: 30
2022-11-21 16:15:42.526 INFO 10712 --- [main] c.n.discovery.InstanceInfoReplicator : InstanceInfoReplicator onDemand update allowed rate per min is 4
2022-11-21 16:15:42.533 INFO 10712 --- [main] com.netflix.discovery.DiscoveryClient : DiscoveryClient initialized at timestamp 1669043742532 with initial instances count: 0
2022-11-21 16:15:42.534 INFO 10712 --- [main] o.s.c.n.e.s.EurekaServiceRegistry : Registering application API-GATEWAY with eureka with status UP
2022-11-21 16:15:42.536 INFO 10712 --- [main] com.netflix.discovery.DiscoveryClient : Saw local status change event StatusChangeEvent [timestamp=1669043742536, current=UP, previous=STARTING]
2022-11-21 16:15:42.538 INFO 10712 --- [nfoReplicator-0] com.netflix.discovery.DiscoveryClient : DiscoveryClient_API-GATEWAY/192.168.1.141:api-gateway:8082: registering service...
2022-11-21 16:15:42.650 INFO 10712 --- [nfoReplicator-0] com.netflix.discovery.DiscoveryClient : DiscoveryClient_API-GATEWAY/192.168.1.141:api-gateway:8082 - registration status: 204
2022-11-21 16:15:42.793 INFO 10712 --- [main] o.s.b.w.embedded.netty.NettyWebServer : Netty started on port 8082
2022-11-21 16:15:42.794 INFO 10712 --- [main] .s.c.n.e.s.EurekaAutoServiceRegistration : Updating port to 8082
2022-11-21 16:15:43.081 INFO 10712 --- [main] at.burgenland.fh.APIGateway : Started APIGateway in 5.267 seconds (JVM running for 5.737)
2022-11-21 16:16:12.538 INFO 10712 --- [freshExecutor-0] com.netflix.discovery.DiscoveryClient : Disable delta property : false
2022-11-21 16:16:12.538 INFO 10712 --- [freshExecutor-0] com.netflix.discovery.DiscoveryClient : Single vip registry refresh property : null
2022-11-21 16:16:12.538 INFO 10712 --- [freshExecutor-0] com.netflix.discovery.DiscoveryClient : Force full registry fetch : false
2022-11-21 16:16:12.538 INFO 10712 --- [freshExecutor-0] com.netflix.discovery.DiscoveryClient : Application is null : false
2022-11-21 16:16:12.538 INFO 10712 --- [freshExecutor-0] com.netflix.discovery.DiscoveryClient : Registered Applications size is zero : true
2022-11-21 16:16:12.538 INFO 10712 --- [freshExecutor-0] com.netflix.discovery.DiscoveryClient : Application version is -1: false
2022-11-21 16:16:12.538 INFO 10712 --- [freshExecutor-0] com.netflix.discovery.DiscoveryClient : Getting all instance registry info from the eureka server
2022-11-21 16:16:12.558 INFO 10712 --- [freshExecutor-0] com.netflix.discovery.DiscoveryClient : The response status is 200
```


Microservice (RestfullAPI) – Instance I

```
DiscoveryServiceApplication ConfigServerApplication APIGateway a.burgenland.fh.configserver.restfullapi.RestServerApplication
2022-11-21 16:16:47.364 INFO 11504 --- [main] o.s.c.n.e.s.EurekaInstanceConfigurator : Setting initial instance status as: STARTING
2022-11-21 16:16:47.364 INFO 11504 --- [main] com.netflix.discovery.DiscoveryClient : Initializing Eureka in region us-east-1
2022-11-21 16:16:47.485 INFO 11504 --- [main] c.n.d.s.r.aws.ConfigClusterResolver : Resolving eureka endpoints via configuration
2022-11-21 16:16:47.504 INFO 11504 --- [main] com.netflix.discovery.DiscoveryClient : Disable delta property : false
2022-11-21 16:16:47.504 INFO 11504 --- [main] com.netflix.discovery.DiscoveryClient : Single vip registry refresh property : null
2022-11-21 16:16:47.504 INFO 11504 --- [main] com.netflix.discovery.DiscoveryClient : Force full registry fetch : false
2022-11-21 16:16:47.504 INFO 11504 --- [main] com.netflix.discovery.DiscoveryClient : Application is null : false
2022-11-21 16:16:47.504 INFO 11504 --- [main] com.netflix.discovery.DiscoveryClient : Registered Applications size is zero : true
2022-11-21 16:16:47.505 INFO 11504 --- [main] com.netflix.discovery.DiscoveryClient : Application version is -1: true
2022-11-21 16:16:47.505 INFO 11504 --- [main] com.netflix.discovery.DiscoveryClient : Getting all instance registry info from the eureka server
2022-11-21 16:16:47.753 INFO 11504 --- [main] com.netflix.discovery.DiscoveryClient : The response status is 200
2022-11-21 16:16:47.756 INFO 11504 --- [main] com.netflix.discovery.DiscoveryClient : Starting heartbeat executor: renew interval is: 30
2022-11-21 16:16:47.770 INFO 11504 --- [nfoReplicator-0] com.netflix.discovery.DiscoveryClient : InstanceInfoReplicator onDemand update allowed rate per min is 4
2022-11-21 16:16:47.764 INFO 11504 --- [main] com.netflix.discovery.DiscoveryClient : DiscoveryClient initialized at timestamp 1669043807763 with initial instances count: 1
2022-11-21 16:16:47.769 INFO 11504 --- [main] o.s.c.n.e.s.EurekaServiceRegistry : Registering application WEATHER-WS with eureka with status UP
2022-11-21 16:16:47.770 INFO 11504 --- [main] com.netflix.discovery.DiscoveryClient : Saw local status change event StatusChangeEvent [timestamp=1669043807770, current=UP, previous=STARTING]
2022-11-21 16:16:47.771 INFO 11504 --- [nfoReplicator-0] com.netflix.discovery.DiscoveryClient : DiscoveryClient_WEATHER-WS/weather-ws:2a8ecfd6e8f49503ab0dfc42fd7cc782: registering service...
2022-11-21 16:16:47.807 INFO 11504 --- [nfoReplicator-0] com.netflix.discovery.DiscoveryClient : DiscoveryClient_WEATHER-WS/weather-ws:2a8ecfd6e8f49503ab0dfc42fd7cc782 - registration status: 204
2022-11-21 16:16:47.931 INFO 11504 --- [main] a.b.f.a.RestServerApplicationStarter : Started RestServerApplicationStarter in 10.331 seconds (JVM running for 10.895)
```

Microservice (RestfullAPI) – Instance II

```
2022-11-21 16:18:08.750 INFO 7620 --- [main] o.s.c.n.eureka.InstanceInfoReplicator : Setting initial instance status as: STARTING
2022-11-21 16:18:08.841 INFO 7620 --- [main] com.netflix.discovery.DiscoveryClient : Initializing Eureka in region us-east-1
2022-11-21 16:18:08.846 INFO 7620 --- [main] c.n.d.s.p.aws.ConfigClusterResolver : Resolving eureka endpoints via configuration
2022-11-21 16:18:08.869 INFO 7620 --- [main] com.netflix.discovery.DiscoveryClient : Disable delta property : false
2022-11-21 16:18:08.869 INFO 7620 --- [main] com.netflix.discovery.DiscoveryClient : Single vip registry refresh property : null
2022-11-21 16:18:08.869 INFO 7620 --- [main] com.netflix.discovery.DiscoveryClient : Force full registry fetch : false
2022-11-21 16:18:08.869 INFO 7620 --- [main] com.netflix.discovery.DiscoveryClient : Application is null : false
2022-11-21 16:18:08.870 INFO 7620 --- [main] com.netflix.discovery.DiscoveryClient : Registered Applications size is zero : true
2022-11-21 16:18:08.870 INFO 7620 --- [main] com.netflix.discovery.DiscoveryClient : Application version is -1: true
2022-11-21 16:18:09.111 INFO 7620 --- [main] com.netflix.discovery.DiscoveryClient : Getting all instance registry info from the eureka server
2022-11-21 16:18:09.114 INFO 7620 --- [main] com.netflix.discovery.DiscoveryClient : The response status is 200
2022-11-21 16:18:09.117 INFO 7620 --- [main] c.n.discovery.InstanceInfoReplicator : Starting heartbeat executor: renew interval is: 30
2022-11-21 16:18:09.122 INFO 7620 --- [main] com.netflix.discovery.DiscoveryClient : InstanceInfoReplicator onDemand update allowed rate per min is 4
2022-11-21 16:18:09.127 INFO 7620 --- [main] com.netflix.discovery.DiscoveryClient : Discovery Client initialized at timestamp 1669043889122 with initial instances count: 2
2022-11-21 16:18:09.129 INFO 7620 --- [main] o.s.c.n.e.s.EurekaServiceRegistry : Registering application WEATHER-WS with eureka with status UP
2022-11-21 16:18:09.130 INFO 7620 --- [infoReplicator-0] com.netflix.discovery.DiscoveryClient : Saw local status change event StatusChangeEvent [timestamp=1669043889127, current=UP, previous=STARTING]
2022-11-21 16:18:09.164 INFO 7620 --- [infoReplicator-0] com.netflix.discovery.DiscoveryClient : DiscoveryClient_WEATHER-WS/Weather-WS:9705a8cd84c8b0332f7a9b1d5784ffd3: registering service...
2022-11-21 16:18:09.280 INFO 7620 --- [main] s.b.f.a.RestServerApplicationStarter : Started RestServerApplicationStarter in 9.563 seconds (JVM running for 10.019)
```

Aufruf Discovery Service auf localhost:8010

HOME LAST 1000 SINCE STARTUP

System Status

Environment	test	Current time	2022-11-21T16:18:39 +0100
Data center	default	Uptime	00:04
		Lease expiration enabled	true
		Renews threshold	6
		Renews (last min)	8

DS Replicas

localhost

Instances currently registered with Eureka

Application	AMIs	Availability Zones	Status
API-GATEWAY	n/a (1)	(1)	UP (1) - 192.168.1.141:api-gateway:8082
WEATHER-WS	n/a (2)	(2)	UP (2) - weather-ws:2a6ecfd6e8f40503ab0dfc42fd7cc782 , weather-ws:9705a8cd84c8b0332f7a9b1d5784ffd3

General Info

Name	Value
total-avail-memory	88mb
num-of-cpus	16
current-memory-usage	47mb (53%)
server-uptime	00:04
registered-replicas	http://localhost:8010/eureka/
unavailable-replicas	http://localhost:8010/eureka/ ,
available-replicas	

Instance Info

Name	Value
ipAddr	192.168.1.141
status	UP