1.使用

在远程调用的接口上加上FeignClient注解。

@FeignClient(name = **"monitor-user"**, fallback = UserClientFallback.**class**, contextId = **"monitor-user-user"**)  
**public interface** UserClient {

}

2.FeignClientsRegistrar

Feign client扫描和注册

@Retention(RetentionPolicy.***RUNTIME***)  
@Target(ElementType.***TYPE***)  
@Documented  
@Import(FeignClientsRegistrar.**class**)  
**public** @**interface** EnableFeignClients {

FeignClientsRegistrar继承ImportBeanDefinitionRegistrar实现动态注册bean。

@Override  
**public void** registerBeanDefinitions(AnnotationMetadata metadata,  
 BeanDefinitionRegistry registry) {  
 registerDefaultConfiguration(metadata, registry);  
 registerFeignClients(metadata, registry);  
}

使用FeignClient.**class**注解作为过滤器获取所有feign client接口组件。

**public void** registerFeignClients(AnnotationMetadata metadata,

ClassPathScanningCandidateComponentProvider scanner = getScanner();

scanner.addIncludeFilter(annotationTypeFilter);  
Set<String> basePackages = getBasePackages(metadata);

**for** (String basePackage : basePackages) {  
 Set<BeanDefinition> candidateComponents = scanner  
 .findCandidateComponents(basePackage);

**//遍历所有的feignClient组件**

**for** (BeanDefinition candidateComponent : candidateComponents) {

**if** (candidateComponent **instanceof** AnnotatedBeanDefinition) {  
 *// verify annotated class is an interface* AnnotatedBeanDefinition beanDefinition = (AnnotatedBeanDefinition) candidateComponent;  
 AnnotationMetadata annotationMetadata = beanDefinition.getMetadata();

**//检测feign Client组件是否是接口**  
 Assert.*isTrue*(annotationMetadata.isInterface(),  
 **"@FeignClient can only be specified on an interface"**);  
 **//获取FeignClient中所有元素的熟悉值**  
 Map<String, Object> attributes = annotationMetadata  
 .getAnnotationAttributes(  
 FeignClient.**class**.getCanonicalName());  
  
 String name = getClientName(attributes);  
 registerClientConfiguration(registry, name,  
 attributes.get(**"configuration"**));  
  
 registerFeignClient(registry, annotationMetadata, attributes);  
 }  
 }  
}

**contextId-->value-->name-->serviceId**

以上面的顺序来作为name注册feignClient bean。

通过FactoryBeanRegistrySupport类的getObjectFromFactoryBean方法获取feignClient bean的对象。

FeignClientFactoryBean继承FactoryBean。