

# Nacos

# Nacos




Nacos 


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## Nacos

### 1.

#### 1.1

```
#   
wget https://github.com/alibaba/nacos/releases/download/2.2.3/nacos-server-2.2.3.tar.gz  
tar -zxvf nacos-server-2.2.3.tar.gz  
cd nacos/bin  
  
#  Linux/Mac   
sh startup.sh -m standalone  
  
# Windows  
startup.cmd -m standalone
```

 <http://localhost:8848/nacos> ( nacos/nacos)

#### 1.2 Docker

```
docker run --name nacos-standalone -e MODE=standalone -p 8848:8848 -d nacos/nacos-server:v2.2.3
```

### 2.

## 2.1 配置 3 个节点

```
# 配置集群文件
conf/cluster.conf
192.168.1.101:8848
192.168.1.102:8848
192.168.1.103:8848
```

## 2.2 创建 MySQL 数据库

```
# 创建数据库
CREATE DATABASE nacos_config CHARACTER SET utf8mb4;

# 使用数据库
USE nacos_config;

SOURCE conf/nacos-mysql.sql
```

## 2.3 配置数据库连接

```
# conf/application.properties
spring.datasource.platform=mysql
db.num=1
db.url.0=jdbc:mysql://127.0.0.1:3306/nacos_config?characterEncoding=utf8&connectTimeout=1000&socketTimeout=3000&autoReconnect=true
db.user=root
db.password=yourpassword
```

## 2.4 配置启动脚本

```
# 配置启动脚本
sh startup.sh
```



## 1. 部署 Spring Cloud

### 1.1 Spring Cloud 部署

```
<!-- pom.xml -->
<dependency>
  <groupId>com.alibaba.cloud</groupId>
  <artifactId>spring-cloud-starter-alibaba-nacos-discovery</artifactId>
  <version>2022.0.0.0</version>
</dependency>
```

```
# application.yml
spring:
  cloud:
    nacos:
      discovery:
        server-addr: 127.0.0.1:8848
```

## 1.2 注册服务

```
curl -X POST 'http://127.0.0.1:8848/nacos/v1/ns/instance?serviceName=example-
service&ip=192.168.1.100&port=8080'
```

## 2. 配置中心

### 2.1 配置数据

- 配置数据 → 配置项 → 配置组
- 配置项
  - Data ID: example.properties
  - Group: DEFAULT\_GROUP
  - 配置项 : Properties
  - 配置 :

```
server.port=8080
spring.datasource.url=jdbc:mysql://localhost:3306/test
```

### 2.2 Spring Boot 配置

```
@RefreshScope
@RestController
public class ConfigController {
```

```






@Value("${server.port}")
private String port;

@GetMapping("/config")
public String getConfig() {
    return port;
}
}

```

### 3.

#### 3.1

1.  →  → 
2.  ID









#### 3.2

```

spring:
  cloud:
    nacos:
      config:
        namespace: your-namespace-id
        group: YOUR_GROUP

```



1.  
  -  3
  -  MySQL
2.  

```

# conf/application.properties
nacos.core.auth.enabled=true
nacos.core.auth.system.type=nacos
nacos.core.auth.server.identity.key=yourkey
nacos.core.auth.server.identity.value=yourvalue

```

3.  
  - Prometheus
  -
4.  
  - MySQL
  -



1.

```
#  Nacos 
curl http://127.0.0.1:8848/nacos/v1/ns/service/list

# 
tail -f logs/nacos.log
```

2.  
  - namespace  group
  - 
  - @RefreshScope

3.

```
#  JVM 
JAVA_OPT="{JAVA_OPT} -Xms2g -Xmx2g -Xmn1g"
```



```
# 1. 
# 2. 
sh shutdown.sh
# 3. 
# 4. 
sh startup.sh
```

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