华东师范大学数据科学与工程学院实验报告

课程名称：分布式编程模型与系统	**年级**：2019	**上机实践成绩**：	
指导教师：徐辰	**姓名**：赵煜硕	**学号**：10195501415	
上机实践名称：Hadoop 1.x 部署	**上机实践日期**：2022.3.3		

根据 lab1 注意事项，拉取 lab1 镜像到 lab2 创建如下云主机实例

链接失败

刷新过后成功(欠刷新)

赵煜硕

创建UCloud云主机

数量	地域	序号	配置信息 ⓘ	操作系统	网络	预估价格	创建状态
1台	上海二可用区B	1	通用型 N|2核|4G	Ubuntu 18.04 64位	流量计费|20MB	0.33 元	✓ 开始 ✓ 配额检测 ✓ 创建云主机 ✓ 手动同步公有 ✓ 绑定云主机到 ✓ 绑定云硬盘到 ✓ 绑定EIP到资源 ✓ 结束

关 闭

操作

| 1台 | 上海二可用区B | 1 | 通用型 N\|2核\|4G | Ubuntu 18.04 64位 | 流量计费\|20MB | 0.33 元 | 🗑 ✎ |

预估总价： 0.33 元 (可用金额： 9,982.80 元)

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指导教师：徐辰	**姓名**：赵煜硕	**学号**：10195501415
上机实践名称： Hadoop 2.x 部署	**上机实践日期：**	2022.3.10
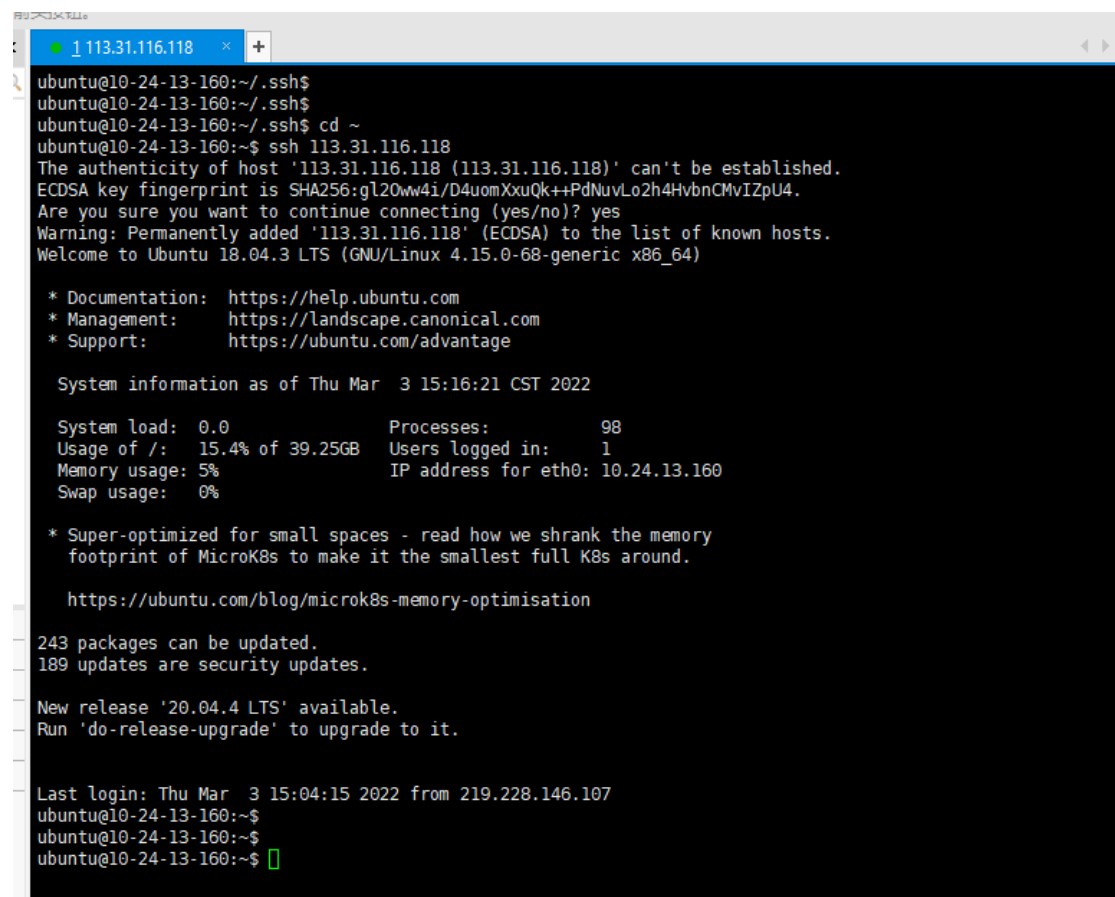
Lab2
配置免密登陆失败

将 localhost 改为 127.0.0.1

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指导教师：徐辰	**姓名**：赵煜硕	**学号**：10195501415
上机实践名称： MapReduce 2.x 编程	**上机实践日期：**	2022.3.24

Lab3
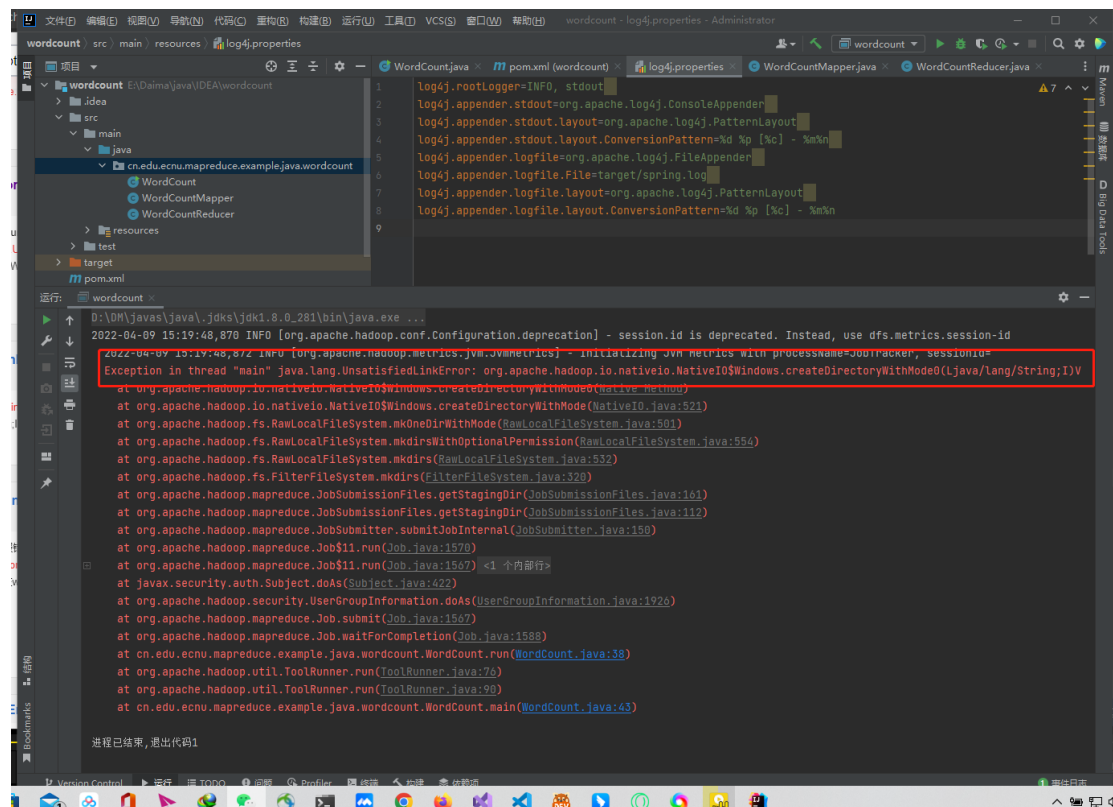
Windows 和 java 的 io 问题
Exception in thread "main" java.lang.UnsatisfiedLinkError:
org.apache.hadoop.io.nativeio.NativeIO$Windows.createDirectoryWithMode0(Ljava/lang/String;I)V
解决方法
依赖版本改为 2.6.1 或者装 hadoop2.8.1 版本

IDEAbug
错误类型：
依赖一直在正在下载，毫无进度 http://0.0.0.0

Mavne 路径所指向的 setting.xml 不存在

默认使用以下图片中的路径

Mirror 问题

之前 mirror 指向 0.0.0.0,
是 idea 的问题，问题来源于本机首次安装 IDEA 或者首次配置 maven。
在挂着 VPN 的状态下首次安装 IDEA，会读取 ie 浏览器的配置会对 settings.xml 的 maven 的
mirror 进行重定向，并且定位到 0.0.0.0

```xml
<!-- mirrors
 | This is a list of mirrors to be used in downloading artifacts from remote repositories.
 |
 | It works like this: a POM may declare a repository to use in resolving certain artifacts.
 | However, this repository may have problems with heavy traffic at times, so people have
 | it to several places.
 |
 | That repository definition will have a unique id, so we can create a mirror reference for t
 | repository, to be used as an alternate download site. The mirror site will be the preferred
 | server for that repository.
 |-->
<mirrors>
  <!-- mirror
   | Specifies a repository mirror site to use instead of a given repository. The repository tha
   | this mirror serves has an ID that matches the mirrorOf element of this mirror. IDs are u
   | for inheritance and direct lookup purposes, and must be unique across the set of mirrc
   |
  <mirror>
    <id>mirrorId</id>
    <mirrorOf>repositoryId</mirrorOf>
    <name>Human Readable Name for this Mirror.</name>
    <url>http://my.repository.com/repo/path</url>
  </mirror>
   -->
  <mirror>
    <id>alimaven</id>
    <name>aliyun maven</name>
    <url>http://maven.aliyun.com/nexus/content/groups/public/</url>
    <mirrorOf>central</mirrorOf>
  </mirror>
</mirrors>

<!-- profiles
 | This is a list of profiles which can be activated in a variety of ways, and which can modify
 | the build process. Profiles provided in the settings.xml are intended to provide local mac
 | specific paths and repository locations which allow the build to work in the local environ
 |
 | For example, if you have an integration testing plugin - like cactus - that needs to know
 | your Tomcat instance is installed, you can provide a variable here such that the variable
 | dereferenced during the build process to configure the cactus plugin.
 |
 | As noted above, profiles can be activated in a variety of ways. One way - the activeProfil
 | section of this document (settings.xml) - will be discussed later. Another way essentially
 | relies on the detection of a system property, either matching a particular value for the p
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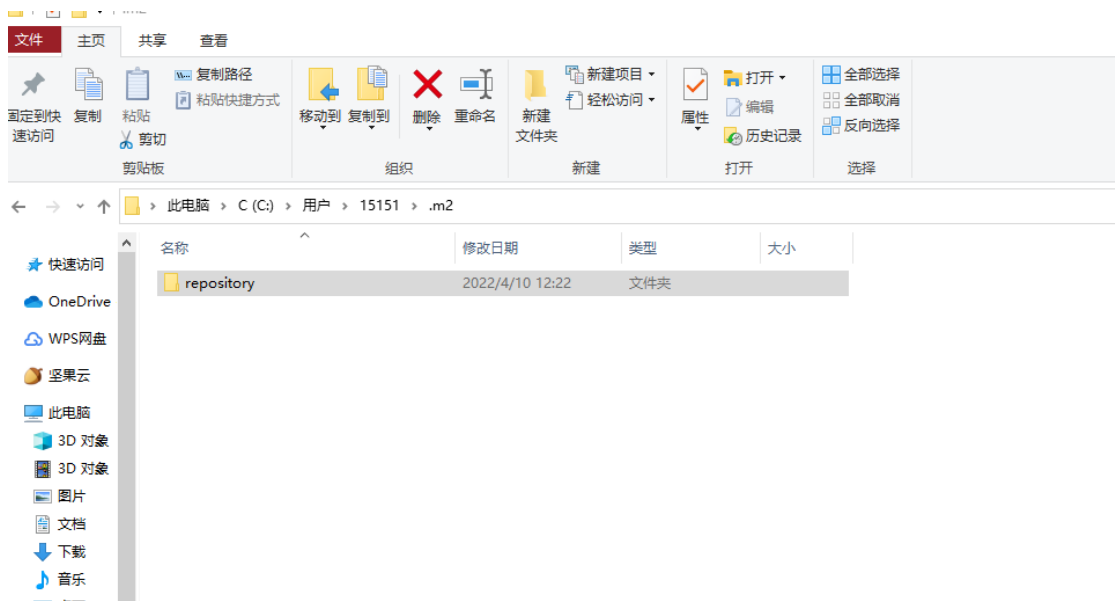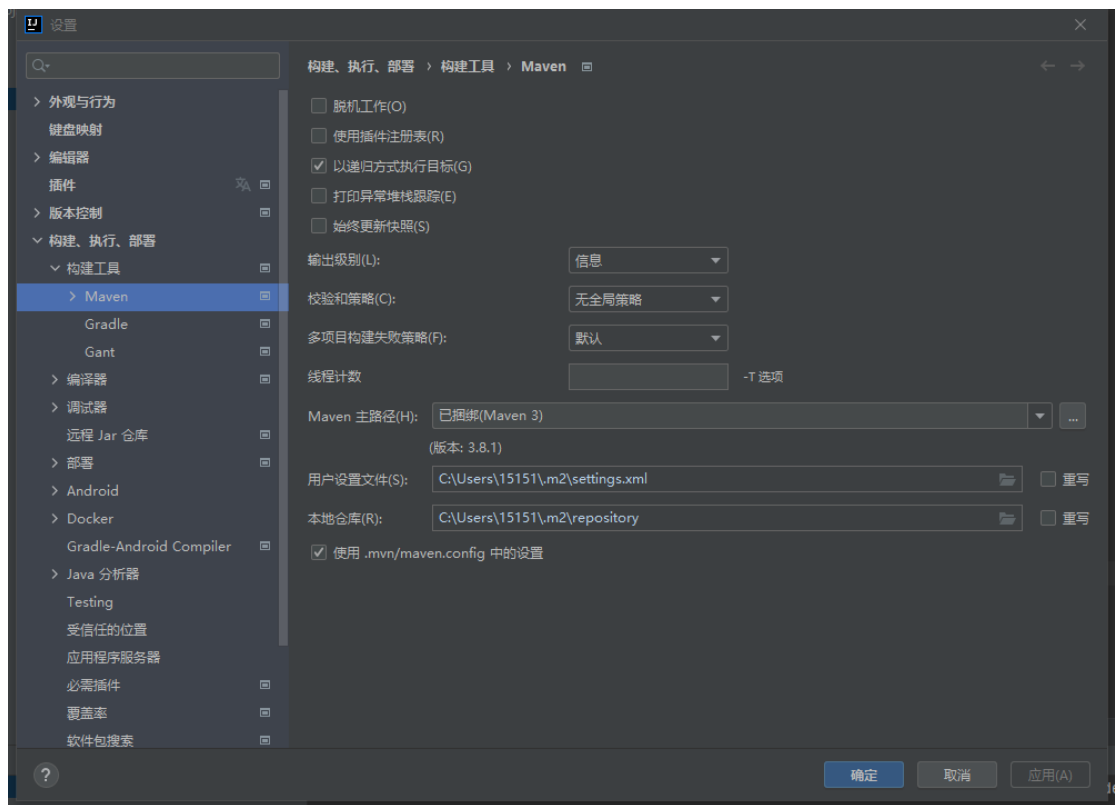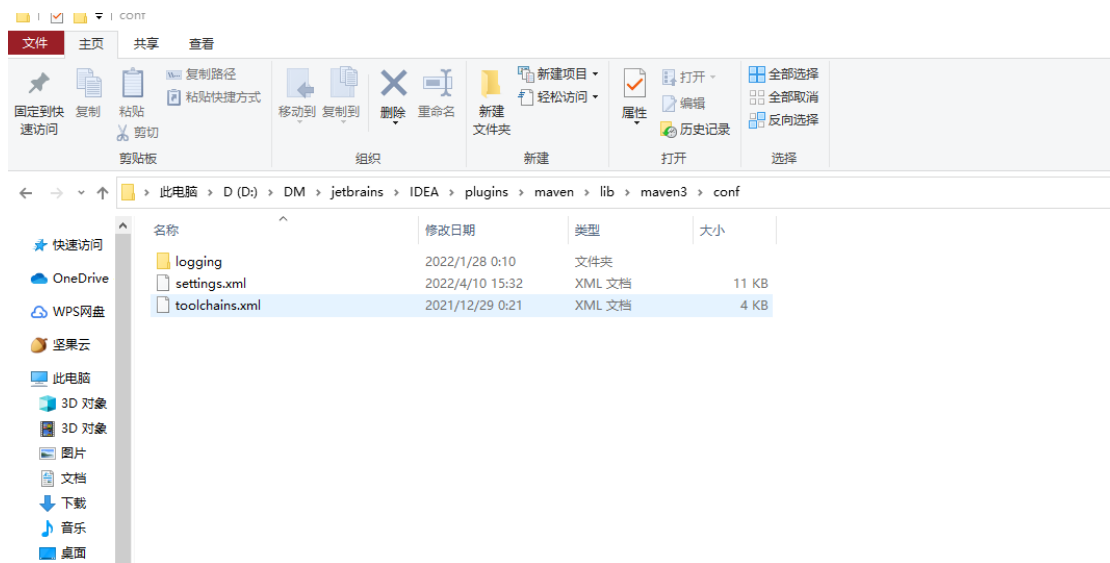
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    <mirrorOf>repositoryId</mirrorOf>
    <name>Human Readable Name for this Mirror.</name>
    <url>http://my.repository.com/repo/path</url>
  </mirror>
   -->
  <mirror>
    <id>alimaven</id>
    <name>aliyun maven</name>
    <url>http://maven.aliyun.com/nexus/content/groups/public/</url>
    <mirrorOf>central</mirrorOf>
  </mirror>
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