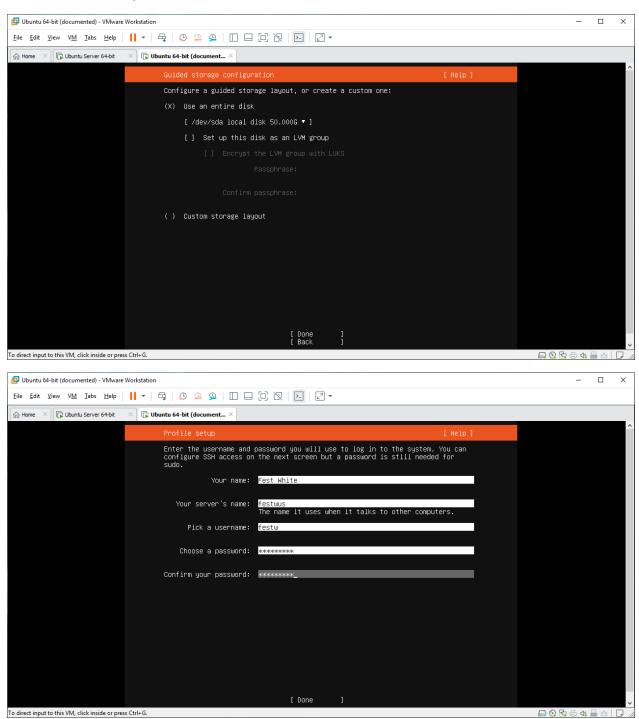
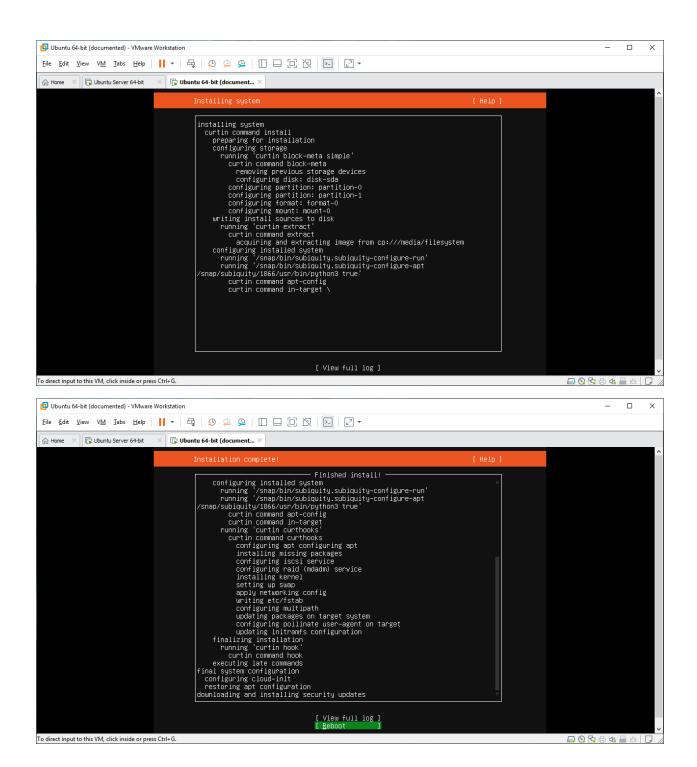
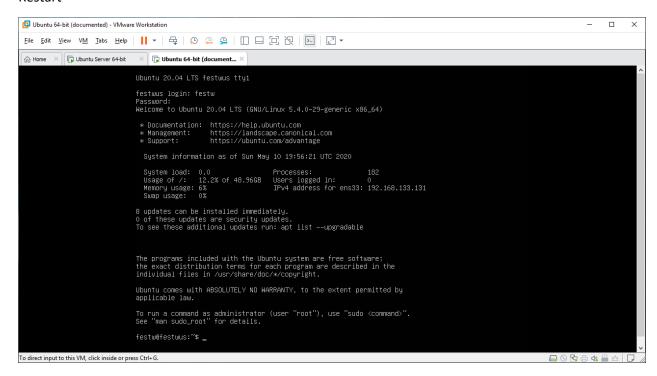
TASK 0

Ubuntu Server install;





Restart



SNAPSHOT1.

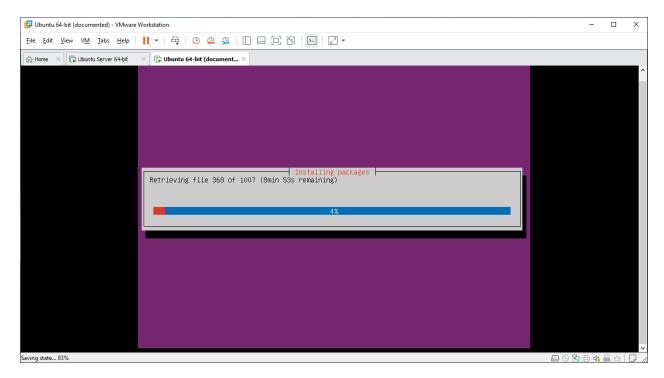
sudo -i

apt-get update

sudo apt install tasksel

tasksel --list-tasks

sudo tasksel install ubuntu-desktop



reboot

Install VMware tools;

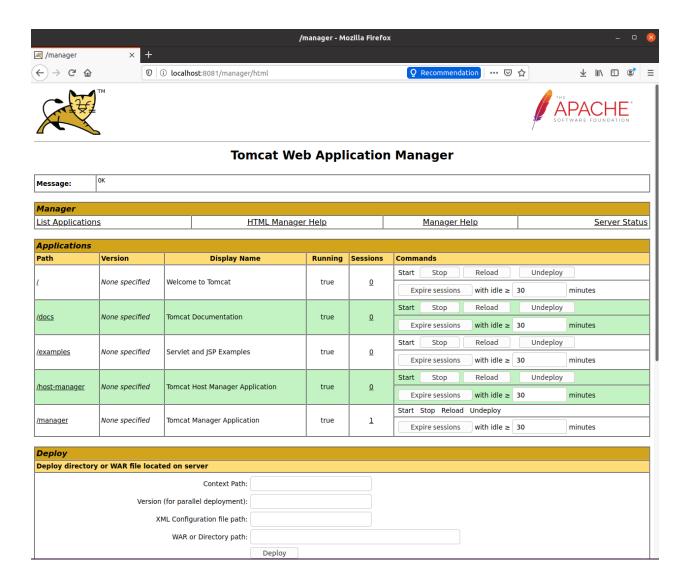
sudo apt install open-vm-tools-desktop open-vm-tools

reboot

sudo nautilus

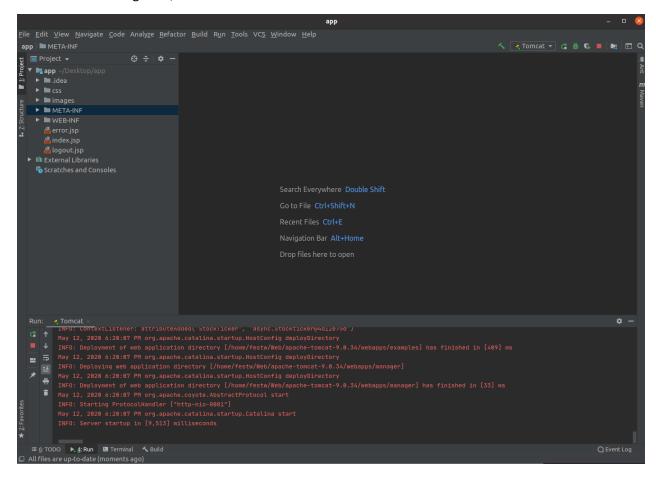
```
Java installation;
sudo apt install default-jdk
sudo apt install default-jre
For configuring specific Java version;
sudo update-alternatives --config java
Configure JAVA_HOME env. var:
sudo nano /etc/environment
add the following:
JAVA_HOME="/usr/lib/jvm/java-11-openjdk-amd64"
check if it's set:
echo $JAVA_HOME
Tomcat installation;
Download>Web>
Add/Edit following paramaters;
server.xml:
<Connector port="8081" protocol="HTTP/1.1"
        connectionTimeout="20000"
        redirectPort="8443" />
tomcat users.xml:
<role rolename="manager-gui"/>
<user username="admin" password="admin" roles="manager-gui"/>
In Tomcat's directory "/bin" we can start or stop the server;
sh startup.sh
sh.shutdown.sh
*or create a service that will be start the same on startup
```

Login to Tomcat web server;



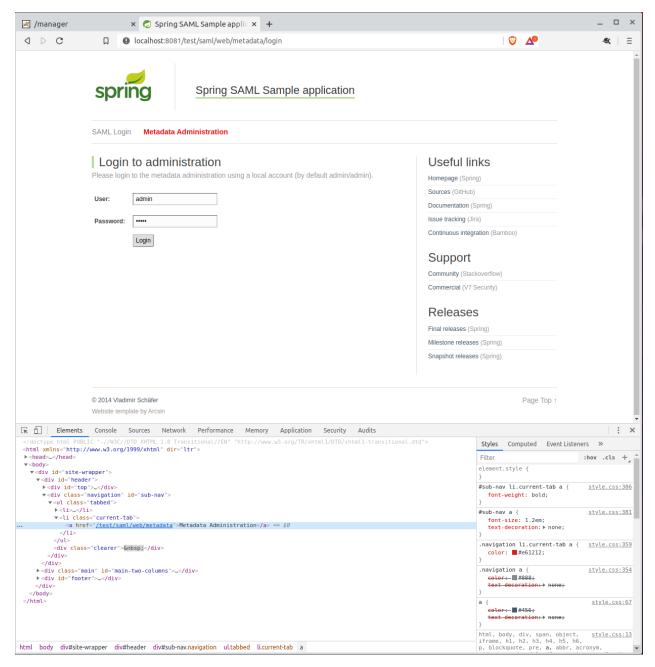
Deploy downloaded .war via "War file to deploy"

Alternative is through IDE;



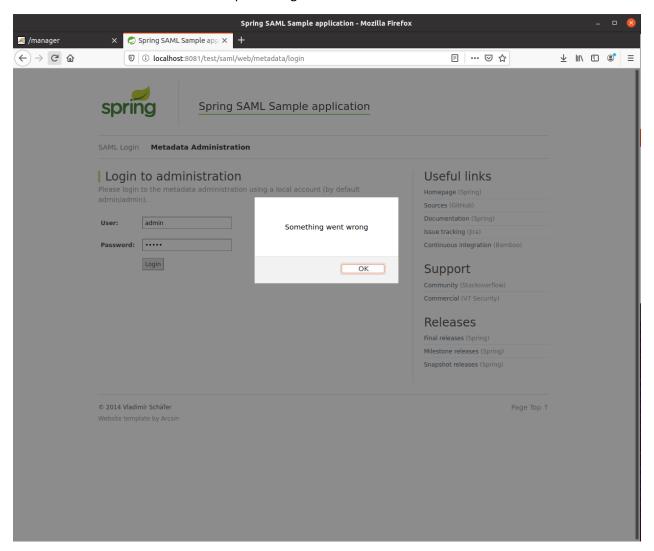
Setup Tomcat plugin and point it to installation folder.

TASK 1



Proposing to decorate our CSS file with background color settings. so that "Metadata Administration" looks similar to this but with red backgroud color attribute settings.

Find "Metadata Administration" and press "Login"



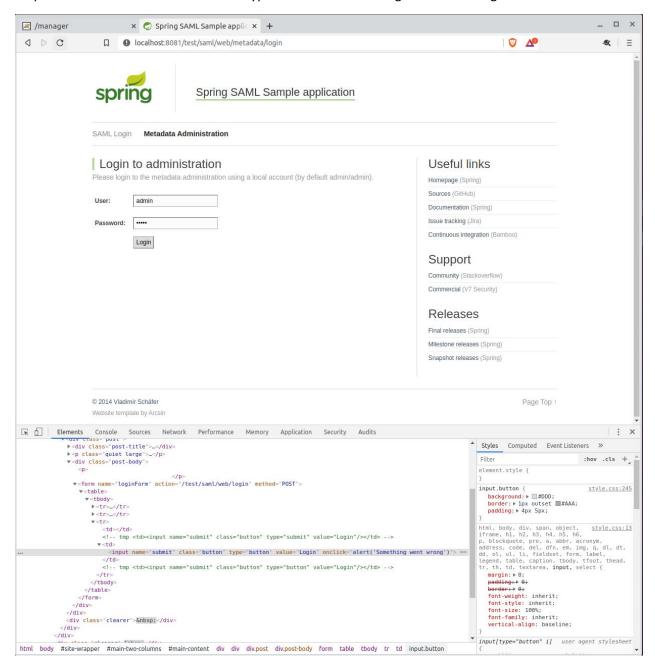
read article;

https://docs.spring.io/spring-security-saml/docs/current/reference/html/chapter-sample-app.html

Next Inspect Login Element.

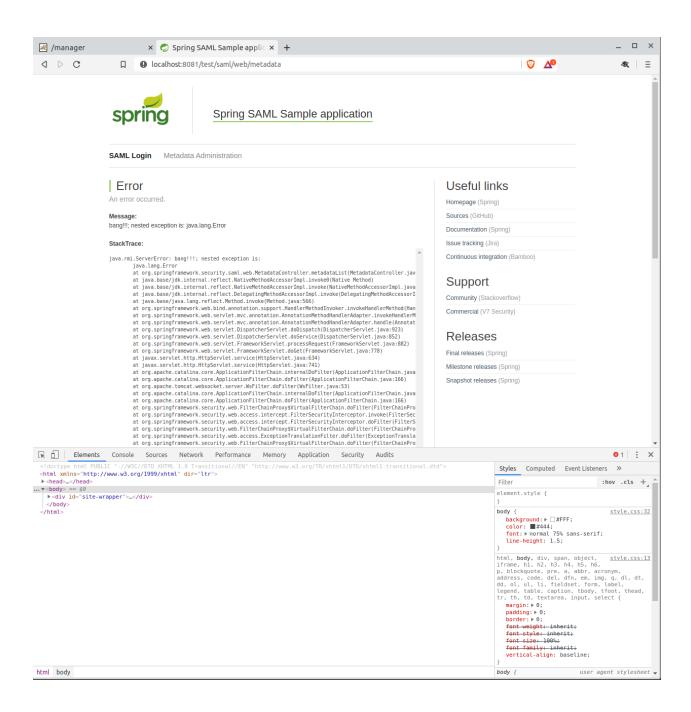
Change this line so it looks like this;

<input name="submit" class="button" type="submit" value="Login" onclick="Login">



Proposing changing mentioned line of code to fix the issue in file; adminlogin.jsp

You'll be presented with another page that looks like this;



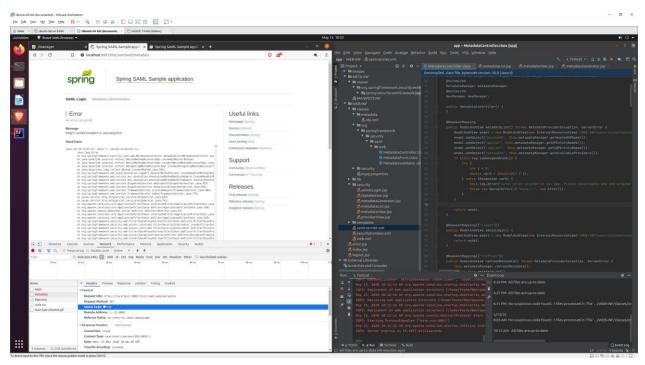
*****notes;

Check logs of log4j

TASK 3

Extract .war in some folder and open a project in favorite IDE(IntellJ) for this purpose;

Error 500 is server side error – investigating this MVC app?



Metadatacontroller.java has some weird code inside it – seems that "@RequestMapping" anotation points to right .jsp file but i'm not sure if that weird code belongs here;

```
if (this.log.isDebugEnabled()) {
    try {
        int i = 0;
        double var3 = (double)(5 / i);
    } catch (Exception var5) {
        this.log.error("Fatal error occured in you app. Please investigate why and propose 'quick and dirty' solution that will GO AROUND this problem!", var5);
        throw new ServerError("bang!!!", new Error());
    }
}
```

Is everything OK with our ID provider?

Maybe issue that first routing only returns a "model" and not "modelandview"?

When checking "medatadatalist.jsp" i found that it looks fine, besides that "url" attributes inside paragraphs are empty?

Can the following error tell smth about this error;

- No default metadata configured, generating with default values, please pre-configure metadata for production use
- Generated default entity base URL http://localhost:8081/test based on values in the first server request. Please set property entityBaseURL on MetadataGenerator bean to fixate the value.
- Created default metadata for system with entityID: http://localhost:8081/test/saml/metadata