

Install Etherpad on SUSE Linux

Collaborate on documents in really real-time on [SUSE Linux](#)

EtherPad is the first web-based word processor that allows people to work together in really real-time.



Etherpad is a hosted web service that allows really real-time document collaboration for groups of users.

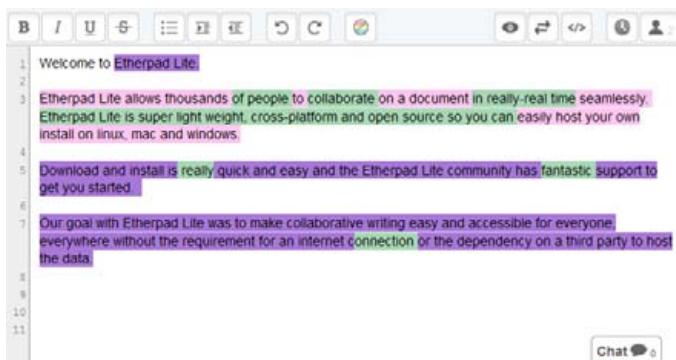


Etherpad is open source; you can host your own Etherpad by downloading the [source code](#) or try Etherpad for free on one of the [Public Sites](#).



The Etherpad Foundation is a not-for-profit organisation dedicated to the development of the Etherpad project.

All editing of the document is instantly visible on the screens of all participating users, enabling new and productive ways to collaborate on text documents. Etherpad is useful for meeting notes, drafting sessions, education, team programming, and more...



1. Online word-processor with formatting options
2. Letter by letter collaboration
3. Color-coded edits
4. Infinite Undo
5. History Playback
6. Import HTML, Word, RTF

7. Export as HTML, Word, PDF
8. Change Zoom
9. Super simple to embed into your own website/CMS with jQuery and PHP examples
10. Support with PHP, jQuery, Elgg, Apple devices, JavaScript, Ruby, Python etc.

Instructions for compiling and running the [EtherPad open source release](#)

How we can install Etherpad on Open SUSE Linux?

I just want to help you out... If you want to pay me nothing that is fine too! 😊

Here are some simple steps to install Etherpad on Open SUSE Linux.....

SUSE Linux is different from RedHat, CentOS or Ubuntu. General Package Managers / Setup Tool won't work on SUSE, It support [Zypper](#) or [YaST](#).

First check your server architecture

```
# uname -a  
http://www.cyberciti.biz/faq/linux-how-to-find-if-  
processor-is-64-bit-or-not/
```

```
# cd /usr/local
```

Requirements

Java 1.6 (tested with 1.6.0_20)
Scala 2.7 (tested with 2.7.7)
MySQL Server 5.1 (tested with 5.1.59)
mysql-connector-java (tested with 5.1.18)

Install Etherpad on SUSE Linux

Create username 'etherpad' with password
'password'

```
# useradd -r -m etherpad  
# passwd etherpad
```

Install Java

```
# uname -a  
I am using 32-bit here...  
# wget http://autosecure1.googlecode.com/files/jdk-  
6u20-linux-i586-rpm.bin  
# sh jdk-6u20-linux-i586-rpm.bin  
  
# java -version
```

Install fastjar

```
# zypper install fastjar  
or  
# yast -install fastjar  
or  
# yast2 -install fastjar
```

Download Scala

```
# wget http://www.scala-lang.org/sites/default/files/  
linuxsoft_archives/downloads/distrib/files/scala-  
2.7.7.final.tgz  
# tar xvzf scala-2.7.7.final.tgz
```

Install MySQL

http://dev.mysql.com/downloads/
mysql/5.1.html#downloads

```
# zypper install mysql-server  
# service mysqld start  
# chkconfig mysqld on
```

Download MySQL Java Connector

Try

```
# zypper install mysql-connector-java
```

Or

```
# wget http://mysql.llarian.net/Downloads/Connec-  
tor-J/mysql-connector-java-5.1.18.tar.gz  
# tar xvzf mysql-connector-java-5.1.18.tar.gz
```

Install MERCURIAL .. OR GIT

```
# zypper install mercurial  
# zypper install git
```

Make sure port 9000 must be open on IPTABLES / Firewall

```
# /etc/sysconfig/iptables
```

```
-A RH-Firewall-1-INPUT -p tcp -m state --state NEW  
-m tcp --dport 9000 -j ACCEPT
```

Environment

Various scripts make assumptions about environment variables:

JAVA should be set to the java executable.
JAVA_HOME should be set to the main jdk directory.
SCALA should be set to the scala executable.
SCALA_HOME should be set to the main scala distribution directory.

PATH should contain \$JAVA, \$SCALA, and mysql
MYSQL_CONNECTOR_JAR should be set to the mysql-connector JAR file included in the mysql-connector download.

For example, this sets up the environment on my machine:

```
# touch myENV  
# vi myENV
```

```
export JAVA_HOME=/usr/java/jdk1.6.0_20/  
export JAVA=$JAVA_HOME/bin/java
```

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```
export SCALA_HOME=/usr/local/scala/scala-2.7.7.final/  
export SCALA=$SCALA_HOME/bin/scala  
export PATH=$JAVA_HOME/bin:$SCALA_HOME/bin:$PATH  
export MYSQL_CONNECTOR_JAR=/usr/local/mysqlconnector/mysql-connector-java-5.1.18-bin.jar  
  
# cat myENV >> /etc/profile
```

Download EtherPad

```
# hg clone https://etherpad.googlecode.com/hg/etherpad
```

Some Changes in etherpad source for your server...

```
./etc/etherpad.localdev-default.properties
```

```
# cd /usr/local  
# cd etherpad/trunk/etherpad  
# cp etc/etherpad.localdev-default.properties data/etherpad.local.properties
```

```
ajstdlibHome = ../infrastructure/framework-src/modules  
appjetHome = ./data/appjet  
+devMode = true  
-etherpad.adminPass = password  
+devMode = false  
+etherpad.adminPass = ADMINPASS_CHANGEME  
+smtpServer = localhost:25  
etherpad.fakeProduction = false  
-etherpad.isProduction = false  
+etherpad.isProduction = true  
etherpad.SQL_JDBC_DRIVER = com.mysql.jdbc.Driver  
etherpad.SQL_JDBC_URL = jdbc:mysql://localhost:3306/etherpad  
-etherpad.SQL_PASSWORD = password  
+etherpad.SQL_PASSWORD = MYSQLPASS_CHANGEME  
etherpad.SQL_USERNAME = etherpad  
-listen = 9000  
+listen = 0.0.0.0:9000  
!listenSecure = 0.0.0.0:9001  
logDir = ./data/logs  
modulePath = ./src  
transportPrefix = /comet  
+sslKeyPassword = KEYPASS_CHANGEME  
+sslKeyStore = ./data/appjet/sslkeystore  
+sslStorePassword = STOREPASS_CHANGEME  
  
Pay attention to the *_CHANGEME! :)
```

```
./bin/setup-mysql-db.sh
```

```
echo "create database ${db};" | ${mysql} -u root  
echo "Granting privileges..."  
-echo "grant all privileges on ${db}.* to 'etherpad'@'localhost' identified by  
'password';" | ${mysql} -u root  
+echo "grant all privileges on ${db}.* to 'etherpad'@'localhost' identified by  
'MYSQLPASS_CHANGEME';" | ${mysql} -u root  
  
echo "Success"
```

```
./src/main.js
```

```
// redirect to etherpad.com  
- var newurl = "http://etherpad.com"+request.path;  
+ var newurl = "http://YOURDOMAIN_CHANGEME.com"+request.path;  
if (request.query) { newurl += "?" + request.query; }  
response.redirect(newurl);
```

```
./src/templates/pro/admin/admin-template.ejs
```

```
<tr>  
- <% if (validLicense) { %>  
  <td width="1%" id="admin-leftnav">  
    <%= renderAdminLeftNav() %>  
  </td>  
- <% } %>  
  <td width="99%" id="admin-right">  
    <%= getAdminContent() %>  
  </td>
```

```
./src/templates/framed/framedheader-pro.ejs
```

```
<div id="pro-topnav">  
  <div id="pro-topnav-inner">  
-   <% if (validLicense && account) { %>  
    <%= renderProTopNav() %>  
    <%= helpers.clearFloats() %>  
-   <% } %>  
  </div>  
</div>
```

```
./src/static/crossdomain.xml
```

```
<site-control permitted-cross-domain-policies="all"/>  
<allow-http-request-headers-from domain="*" headers="*"/>  
-<allow access-from domain="*.tokbox.com" to ports="*"/>  
-<allow access-from domain="*.etherpad.com" to ports="*"/>  
<allow access-from domain="*.etherpad.com" to ports="*"/>  
-<allow access-from domain="*.YOURDOMAIN_CHANGEME.com" to ports="*"/>  
+<allow access-from domain="*.YOURDOMAIN_CHANGEME.com" to ports="*"/>  
</cross-domain policy>
```

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./src/etherpad/pro/pro_utils.js

```
function getEmailFromAddr() {  
- var fromDomain = 'etherpad.com';  
+ var fromDomain = 'YOURDOMAIN_CHANGE_ME.com';  
if (pne_utils.i < PNF()) {  
    fromDomain = getFullProDomain();  
}  
}
```

./src/etherpad/globals.js

```
var SUPERDOMAINS = {  
- 'localbox.info': true,  
'localhost': true,  
- 'etherpad.com': true  
+ 'YOURDOMAIN_CHANGE_ME.com': true  
};
```

./src/etherpad/control/pro/pro_main_control.js

```
renderFramed('pro/pro_home.ejs', {  
    isEvaluation: licensing.isEvaluation(),  
- evalExpDate: licensing.getLicense().expiresDate,  
+ evalExpDate: licensing.getLicense().expiresDate,  
    account: getSessionProAccount(),  
    isPNE: pne_utils.isPNE(),  
    pncVersion: pnc_utils.getVersionString(),  
});
```

./src/etherpad/control/pad/pad_control.js

```
{toEmails: toEmails, padId: padId, username: username,  
subject: subject, message: message});  
  
- var fromAddr = '"EtherPad" <noreply@etherpad.com>';  
+ var fromAddr = '"EtherPad" <noreply@YOURDOMAIN_CHANGE_ME.com>';  
// client enforces non-empty subject and message  
var subj = '[EtherPad] ' + subject;  
var body = renderTemplateAsString('email/padinvite.ejs', {  
});
```

./src/etherpad/control/global_pro_account_control.js

```
}  
if (accountList.length > 1) {  
- var fromAddr = 'EtherPad Support' <support@etherpad.com>;  
+ var fromAddr = 'EtherPad Support' <support@YOURDOMAIN_CHANGE_ME.com>;  
var subj = "EtherPad: account information";  
var body = renderTemplateAsString(  
    'pro/account/global-multi-domain-recover-email.ejs', {  
});
```

Database Setup

The scripts assume mysqld is running on localhost. Once mysqld is running, you can set up the etherpad database by running the following command inside ajcode/etherpad/.

bin/setup-mysql-db.sh

This will create a database called “etherpad” with the password “password”, and grant privileges to the user “etherpad”.

All the tables will be set up the first time etherpad is run.

Compiling

EtherPad compiles all its Java and Scala libraries into a single JAR. To build this jar, you can run the following command inside ajcode/etherpad/.

bin/rebuildjar.sh

If you modify anything in ajcode/infrastructure, you will most likely need to kill the server, rebuild the jar, and re-launch the server before your change takes effect.

Code inside ajcode/etherpad/src can be modified while the server is running, and the changes will automatically get picked up.

Running

To run the etherpad web server, execute the following command inside ajcode/etherpad/.

bin/run-local.sh

The first time you run this, it should print out lots of messages about database migrations and finally print:

HTTP server listening on http://youdomain:9000/
At this point, you should be able to visit http://youdomain:9000/ in your web browser and create a new pad.

Thanks to [Pauleira!](#)

If you have error related to JVM

Error occurred during initialization of VM
Could not reserve enough space for object heap
Could not create the Java virtual machine.

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Fix using

```
# export _JAVA_OPTIONS='-Xms32m -Xmx56m  
-Xss128k -XX:PermSize=32m -XX:MaxPermSize=64m'
```

Other Link:

<http://code.google.com/p/etherpad/>
<http://etherpad.com/>
<https://github.com/ether/pad>
<http://etherpad.org/>