Installation Guide
Etherpad-Lite User Interface

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Installation

1.1 General

To use the ep_user_pad and the ep_user_pad_frontend plugin you have to install Etherpad-Lite like you can see at [1]. Furthermore you have to use a mysql-database to use these plugins. The installation-guide of a mysql-database you can find at [2].

1.2 Creation of the database der Datenbank

Because Etherpad-Lite uses the NodeJS-module 'ueber-DB' there is just one table called 'store' in the database. For the Etherpad Lite User Interface you have to create the following tables in your mysql-database:

- GroupPads

- Groups

- User

- UserGroup

- UserSessions

For this task you can use the sql-commands you can see in listing 1.1.

```
1  CREATE TABLE IF NOT EXISTS `GroupPads` (
2    `GroupID` int(11) NOT NULL,
3    `PadName` varchar(255) COLLATE utf8_bin NOT NULL,
4    PRIMARY KEY (`GroupID`,`PadName`)
5  )
6
7  CREATE TABLE IF NOT EXISTS `Groups` (
8    `groupID` int(11) NOT NULL AUTO_INCREMENT,
9    `name` varchar(255) COLLATE utf8_bin NOT NULL DEFAULT '',
10   PRIMARY KEY (`groupID`,`name`)
11 )
12
13 CREATE TABLE IF NOT EXISTS `NotRegisteredUsersGroups` (
14   `email` varchar(255) NOT NULL,
15   `groupID` int(11) NOT NULL
```

```
16  )
17
18  CREATE TABLE IF NOT EXISTS `User` (
19    `userID` int(11) NOT NULL AUTO_INCREMENT,
20    `name` varchar(255) COLLATE utf8_bin NOT NULL DEFAULT '',
21    `pwd` varchar(255) COLLATE utf8_bin DEFAULT NULL,
22    `considered` tinyint(11) DEFAULT NULL,
23    `SSO` tinyint(4) DEFAULT NULL,
24    `FullName` varchar(255) COLLATE utf8_bin DEFAULT NULL,
25    `considerationString` varchar(50) COLLATE utf8_bin DEFAULT NULL,
26    `salt` varchar(255) COLLATE utf8_bin DEFAULT NULL,
27    `active` int(1) DEFAULT NULL,
28    PRIMARY KEY (`userID`,`name`)
29  )
30
31  CREATE TABLE IF NOT EXISTS `UserGroup` (
32    `userID` int(11) NOT NULL DEFAULT '0',
33    `groupID` int(11) NOT NULL DEFAULT '0',
34    `Role` int(11) DEFAULT NULL,
35    PRIMARY KEY (`userID`,`groupID`)
36  )
```

Listing 1.1: SQL-Code

1.3 Installation of the plugins

For the installation of the Plugins you have to enter the command: 'npm install ep_user_pad' or 'npm install ep_user_pad_frontend' to install the plugins with the npm package-manager.

1.4 E-Mail settings

To change the e-mail settings (for example for the e-mail if a user has forgotten his password) you have to change the settings in the file email.json which is in the root-directory of the plugin. A sample-configuration could look like listing 1.2 aussehen.

```
1  {
2      "smtp": "false",
3      "user": "mustermann@example.com",
4      "password": "yourpassword",
5      "host": "smtp.example.com",
6      "port": "465",
7      "tls": "false",
8      "ssl": "true",
9      "invitationmsg": "The user \n\n<fromuser> has added you to the
           Etherpad private group <groupname>.\nYou can now begin to work
            collaboratively with the group members and read, edit any pad
            within this group.\n\n Why to wait? Click here to get started
            : <url>",
```

```
10    "invitationfrom": "mustermann@example.com",
11    "invitationsubject": "[Etherpad] Group Invitation",
12    "registrationtext": "Hello,\n\nYour registration at Etherpad was
          successfull! To complete your registration please click on the
          following link: <url> \nAfter completing registration, please
          log in with your new account.",
13    "registrationfrom": "mustermann@example.at",
14    "registrationsubject": "[Etherpad] Registration",
15    "resetpwmsg": "Your new Password for your etherpad Account: <
          password>",
16    "resetfrom": "mustermann@example.at",
17    "resetsubject": "Password reset for Etherpad-lite",
18    "invitateunregisterednmsg": "<fromuser> has added you to the
          Group: <groupname>. Please register at <url> to enter the
          group!"
19 }
```

Listing 1.2: JSON-Code

1.4.1 Explanation of the e-mail settings

The details of the different settings are explained in table 1.1.

Name	Value	explanation
smtp	boolean	Is the setting 'true', the plugin uses a smtp - server to sent the messages Is this Value false the mail will be send over the server on port 25. The settings 'user' to 'ssl' are not necessary if this setting is false.
user	string	Name of the smtp-user.
password	string	Password of the smtp-user.
host	string	Hostname of the smtp-server.
port	int	Port of the smtp-server.
tls	boolean	Is this value 'true' the message is encrypted with tls.
ssl	boolean	Is this value 'true' the message is encrypted with ssl.
invationsmsg	string	Message of the E-Mail which will be sent if a user was added to a group. The variables **<fromuser>** (sender of the message), **<groupname>** (name of the group where the user is invited to) and **<url>** (Homepage of the application) can be included in the text and will be replaced by the plugin.
invationfrom	string	Sender of the e-mail which will be sent if a user was added to a group.
invitationsubject	string	Subject of the e-mail which will be sent if a user was added to a group.
registrationtext	string	Message of the E-Mail which will be sent if a user has registered. The variable **<url>** (Homepage of the application) can be included in the text and will be replaced by the plugin.
registrationfrom	string	Sender of the e-mail which will be sent if a user has registered.
registrationsubject	string	Subject of the e-mail which will be sent if a user has registered.
invitateunregistered-nmsg	string	The text of an e-mail which is sent if a person was invited to a group but this person is not yet registered at the application. The variables **<fromuser>** (sender of the message), **<groupname>** (name of the group where the user is invited to) and **<url>** (Homepage of the application) can be included in the text and will be replaced by the plugin.

Table 1.1: Explanation of the e-mail settings

Bibliography

[1] The Etherpad Foundation. Website, 2013. `https://github.com/ether/etherpad-lite/blob/master/README.md`; 19. September 2013.

[2] The Etherpad Foundation. Website, 2013. `https://github.com/ether/etherpad-lite/wiki/How-to-use-Etherpad-Lite-with-MySQL`; 19. September 2013.