Python

Snippet list

Edit file

The following functions can be used to edit any provided file. In the selected file a string can be searched that can then be replaced with a given string.

Edit a file with python

Show/Hide

```python
# search file for string
def searchLineWithString(self, string, file):
    for num, line in enumerate(file, 1):
        if string in line:
            return num - 1

# edit line dependend on provided parameter
def editLine(self, file, searchString, newLine):
    selectedFile = open(file, "r")
    readSelectedFile = selectedFile.readlines()
    selectedFile.close()
    # find specific line
    lineToEdit = searchLineWithString(self, searchString, readSelectedFile)
    # edit required line
    readSelectedFile[lineToEdit] = newLine

    # write lines to files
    selectedFile = open(file, "w")
    selectedFile.writelines(readSelectedFile)
    selectedFile.close()
```

Send mail

The following functions can be used to emails from python.

Send mails with python

Show/Hide

```python
    EMAILRECEIVER = ""
    EMAILSENDER = ""
    MAILSERVER = ""
    MAILSERVERPORT = ""
    EMAILSENDER = ""

    def buildMail(self):
        mailText = ""
        # build your mail here string by string (mailText += "")
        return mailText

    def sendMail(self, hosts, awakeList, failedList, statusUnknownList):
        if EMAILRECEIVER and EMAILSENDER and MAILSERVER and MAILSERVERPORT:
            import smtplib
            from email.mime.multipart import MIMEMultipart
            from email.mime.text import MIMEText
            from email.header import Header

            smtp = smtplib.SMTP()
            smtp.connect(MAILSERVER, MAILSERVERPORT)
            # define subject here
        subject = ""
            msgRoot = MIMEMultipart("alternative")
            msgRoot['Subject'] = Header(subject, "utf-8")
            msgRoot['From'] = "wolserver <" + EMAILSENDER + ">"
            msgRoot['To'] = EMAILRECEIVER
            mailContent = MIMEText(wakeup.buildMail(self))
            mailText = MIMEText(mailContent, "plain", "utf-8")
            msgRoot.attach(mailText)
            try:
                smtp.sendmail(EMAILSENDER, EMAILRECEIVER,
msgRoot.as_string())
            except:
                print(self, "Failed to send mail to " + EMAILRECEIVER + " |
Check your settings!")
                print(traceback.format_exc())

        else:
            print(self, "Mailing disabled or not configured properly.")
```

Sourced from: *stackoverflow.com - Python Email*