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#=====
# NAME      : send_email.func
# DESCRIPTION : Functions to queue and send email messages.
#           : This is part of the "Digital Signage" project.
# SYNOPSIS  : source (.) send_email.func
# AUTHOR    : Gert Bakker, Coleshill, UK
# DATE      : October 2023
# VERSION   : 1.0
# USAGE     : Sourced-in functions for sending an email
# NOTES     : This file is to be sourced-in to any script that wants to email
#           : a message. Must also have the signage.conf sourced into the
#           : script.
#=====

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# CONSTANT DEFINITIONS
# These are defined in the signage.conf sourced-in file.

#=====
# FUNCTION DEFINITION

# QUEUE EMAIL MESSAGE
# Usage:
#     queue_email "To_adrs" "Subject" "Message_File" "attachfile"
# NOTE:
#     Ensure that the parameters are fully quoted.
# The RFC5322 headers are formatted and written to a temporary file.
# The message file is added to it. This is now an RFC 5322 formatted email
# message.
# Store the message into the queue directory where it waits for the next
# sending of the queued email messages.
queue_email() {
    # Create a unique file name for the message to be emailed.
    QUEFILE=$(basename $(mktemp -u email_XXXX))
    # Generate the RFC message header lines.
    ( echo -e "To: ${1}"
      echo -e "Subject: ${2}"
      [ ${4} ] && echo -e "Attachment: ${4}"
      echo -e
      cat ${3} ) > ${QUEFILE} # Append the email message.
    # Move the file to the email queue directory.
    mv ${QUEFILE} "${QUEUE_DIR}"
}

# QUEUE AND SEND EMAIL MESSAGE NOW
# Usage:
#     send_email_now "To_adrs" "Subject" "Message_File" "attachfile"
# NOTE:
#     Ensure that the parameters are fully quoted.
# The RFC5322 headers are formatted and written to a temporary file.
# The message file is added to it. This is now an RFC 5322 formatted email
# message.
# Store the formatted file into the queue directory and start the script
# to send the email message in background.
send_email_now() {
    # Create a unique file name for the message to be emailed.
    QUEFILE=$(basename $(mktemp -u email_XXXX))
    # Generate the RFC message header lines.
    ( echo -e "To: ${1}"
      echo -e "Subject: ${2}"
      [ ${4} ] && echo -e "Attachment: ${4}"
      echo -e
      cat ${3} ) > ${QUEFILE} # Append the email message.
    # Move the file to the email queue directory.
    mv ${QUEFILE} "${QUEUE_DIR}"
    # Run the "send_email.sh" script to send the messages in the queue
    # now rather than wait for the script to be run by CRON.
    ${EMAIL_SCRIPT} & # Email the queued message.
```

}

END OF SOURCE SCRIPT.