



Ceiliadh

Windows and OS/2 versions

Installation instructions

Additional forums

Installation diagram

Contracted view

ceilidh.conf

Framed views

Troubleshooting

Lilikoi Software, Inc.

www.lilikoi.com

Installation Instructions

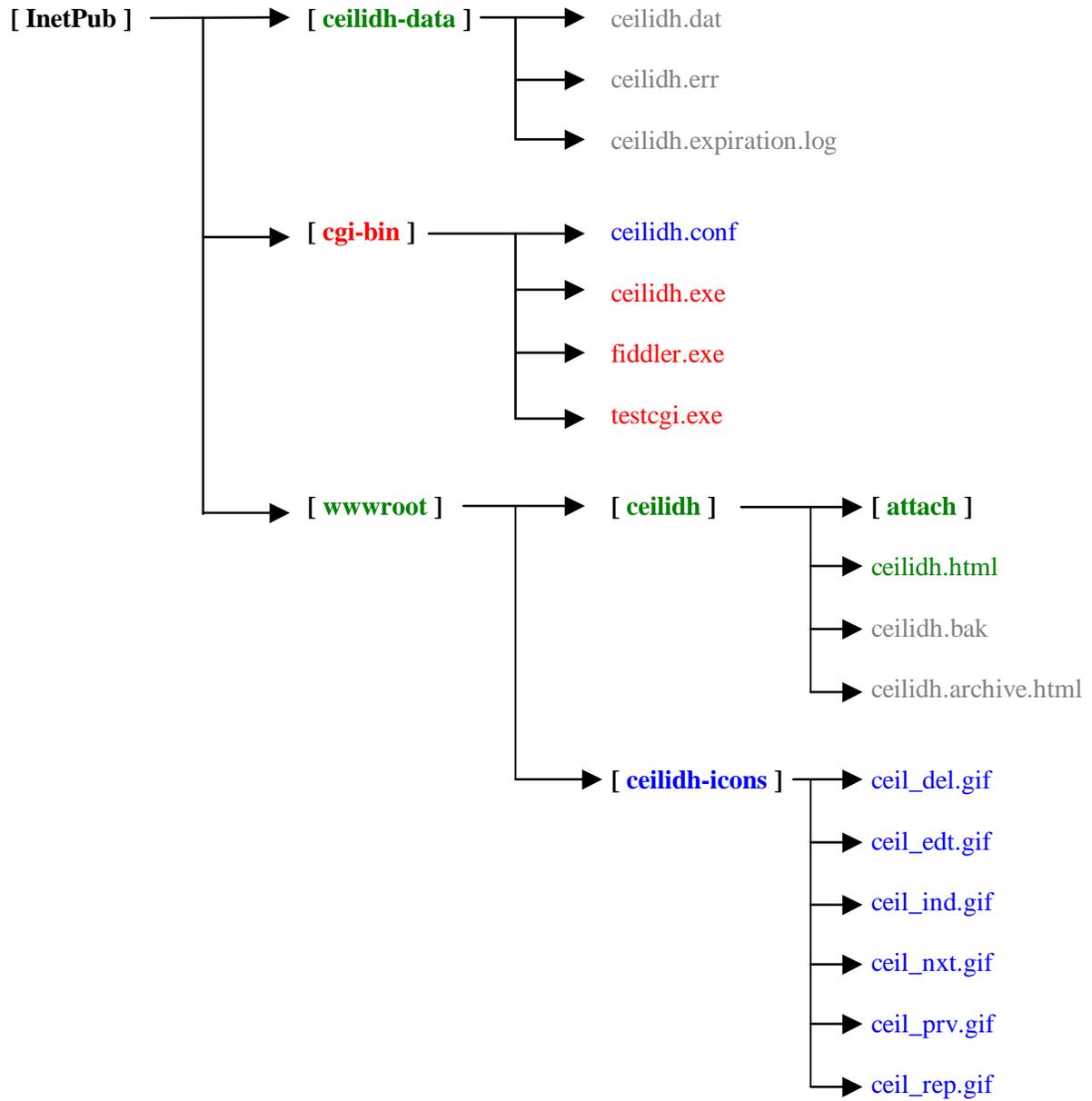
Although forums can be placed in any directory and given any name, we recommend starting out with a copy of the supplied "ceilidh.html" page in the default directory, "ceilidh", which should be a subdirectory of the web server's data (document root) directory.

Please refer also to the accompanying installation diagram.

1. Copy the **ceilidh.exe**, **fiddler.exe**, **testcgi.exe** executables and the **ceilidh.conf** configuration file from the cgi-bin directory to the web server's **cgi-bin** directory.
2. Copy the directory named "**ceilidh**" and its contents to your web server's data directory. This is where the messages will be stored.
3. Copy the **ceilidh-icons** directory and its contents to your web server's data directory. Ceilidh's icons are stored here.
4. Review and edit the **ceilidh.conf** configuration file.
Point your browser to **http://127.0.0.1/cgi-bin/testcgi.exe**
If the document_root variable is blank you will need to specify this value in ceilidh.conf using the "**document_root=**" setting which should point to the web server's data directory, e.g., document_root = \inetpub\wwwroot\. This should not point to the forum directory itself.
5. Create an empty "**ceilidh-data**" directory outside your web server's data directory. This is where Ceilidh will store its database and log files if the "**path=**" directive in ceilidh.conf is uncommented and points here, e.g., path = \inetpub\ceilidh-data\. Otherwise Ceilidh will store its database and log files in the cgi-bin directory. This directory should not be publically accessible since it contains users' passwords.
6. Now try posting a message.
Point your browser to **http://127.0.0.1/ceilidh/ceilidh.html**
If all goes well, when you post your first message Ceilidh will create the **ceilidh.dat** registration database file in the "ceilidh-data" directory and Fiddler will step in to allow you to set your own forum preferences.
7. Having trouble?
If Ceilidh won't run after following these instructions detailed help is available in the form of an accompanying troubleshooting guide.
8. Customize your forum.
Once Ceilidh is running, you can modify the message index page, delete the ceilidh.dat file (that was created in the "ceilidh-data" directory) and reinitialize the forum by clicking on POST. This ensures that any changes to the forum header (the <BODY ... > and <H1> ... </H1>) are transferred to **ceilidh.dat** (you can also do this using Fiddler, but if you're just starting out it's easier to delete ceilidh.dat). The forum behavior is controlled both by settings in ceilidh.conf (which you have to edit manually) and by settings in ceilidh.dat that can be changed using Fiddler.

Installation diagram

red	read & execute
green	read & write
blue	read only
gray	created automatically by Ceilidh
[]	directory



ceilidh.conf

The ceilidh.conf configuration file allows important changes to be made to Ceilidh's global configuration. Although this file is not required for the basic discussion forum to work, more advanced functionality such as e-mail notification and file attachment require that settings from this file be read.

Ceilidh.conf normally resides in the server's "cgi-bin" directory. If Ceilidh cannot read this file a warning, "**Using the global default configuration**", appears on every page that Ceilidh creates. The remedy for this is to move ceilidh.conf to the web server's document root directory. Ceilidh.conf is best edited using WordPad, or an alternative text editor. *It must be saved as an ASCII text file.*

The following example is typical. Most of the parameters have been left commented (preceded by a #). Default options, where applicable, are denoted in bold.

```
#####
# ceilidh.conf                               Lilikoi Software, Inc.      #
#                                                                 #
# Activate any of the options below by removing the "#" comment from #
# the start of the line. Do not leave a space before or after "=".    #
#                                                                 #
#####

#####
# DOCUMENT_ROOT                               #
#                                                                 #
# Absolute path to the DOCUMENT_ROOT directory #
# This should only be specified if it is not indicated by TestCGI.   #
# This is the path to the server's data directory, not to the forum.  #
#                                                                 #
#####

#document_root=c:\inetpub\wwwroot\

#####
# EXECUTABLE NAMES                               #
#                                                                 #
# Names of the Ceilidh and Fiddler executables #
# You must change the URLs in the index page if you change Ceilidh.  #
#                                                                 #
#####

#ceilidh=ceilidh.exe
#fiddler=fiddler.exe

#####
# DATABASES                                     #
#                                                                 #
# path=                                     #
# Absolute path to the directory containing ceilidh.dat and ceilidh.err #
# The default directory is the cgi-bin directory.                     #
# This directory must exist and Ceilidh must have read/write access. #
#                                                                 #
# database=                                 #
# Store the registration information in a single [single]             #
# or multiple [multi] database files?                                #
#                                                                 #
# pool_registration=                         #
# Pool registration information across forums?                        #
#                                                                 #
#####
```

```

#path=c:\inetpub\ceilidh-data\
#database=single [single/multi]
#pool_registration=no

#####
# ARCHIVE PATH
#
# archive=
# Absolute path to the ARCHIVE directory
# The default is the forum directory itself.
#
# max_archive_size=
# Maximum size of the message archive (in kilobytes).
# Messages are removed from the archive on a first in
# first out basis in order to maintain this constant size.
#
#####

#archive=c:\inetpub\archive\
#max_archive_size=

#####
# WEB PATHS
#
# Virtual, i.e., web, path to the icons directory
# Virtual, i.e., web, path to the cgi-bin directory
# You must change the URLs on the index page if you change either one.
#
#####

#icons=/ceilidh-icons/
#cgibin=/cgi-bin/

#####
# MISCELLANEOUS SETTINGS
#
# message_color=
# Change the color of Ceilidh's error and info messages
#
# title_length=
# Sets the maximum permissible title length
#
# timestamp= [yes/no]
# Optionally display the message timestamp in addition to the date
#
# require_text= [yes/no]
# Require message text be entered by the user
#
# caching= [yes/no]
# Allow Ceilidh's forms to be cached by the browser
#
# lock_expiration= [yes/no]
# Forces all replies to expire on the same date as the root message
#
# digest=yes [yes/no]
# Optional message digest option (to expand a thread)
#
# double_byte= [yes/no]
# Permits the correct interpretation of double byte character sets
# but disables smart HTML conversion of e-mail addresses
#
# server_process= [yes/no]
# Allow the server to process the index page (for active server pages)
#
# IP_binding= [yes/no]
# Allow user authentication based on IP addresses
#
# force_cookies= [yes/no]
# Try to use cookies for authentication without asking permission
#
# one_minute= [yes/no]
# Limit posting to one minute intervals per IP address
#
#

```

```

# buttons= [top/bottom] #
# Display message button bar on the top or bottom of the message #
# # #
# compatibility= [frames,domino] #
# Accommodate various unusual configurations #
# # #
# logging= [terse/regular/verbose/suppress] #
# Choice of error logging or suppress the "DIAGNOSIS" button #
# # #
#####

#message_color=red
#title_length=40
#require_text=yes [yes/no]
#caching=yes [yes/no]
#timestamp=no [yes/no]
#lock_expiration=yes [yes/no]
#digest=yes [yes/no]
#double_byte=no [yes/no]
#server_process=no [yes/no]
#IP_binding=no [yes/no]
#force_cookies=no [yes/no]
#one_minute=yes [yes/no]
#buttons=bottom [top/bottom]
#compatibility= [frames,domino]
#logging=terse [terse/regular/verbose/suppress]

#####
# FILE ATTACHMENT SETTINGS #
# # #
# max_upload_size= #
# Set the maximum uploadable file size (in kb) #
# # #
# auto_display= #
# Set the maximum file size (in kb) for display of images in the message #
# # #
# A list of permissible MIME types for attachment #
# Uncommenting "upload: unrestricted" removes MIME type checking #
# # #
#####

#max_upload_size=200
#auto_display=50

#upload: unrestricted
upload: application/msword
#upload: application/octet-stream
upload: application/pdf
upload: application/rtf
upload: application/x-msword
#upload: audio/wav
#upload: audio/x-midi
#upload: audio/x-pn-realaudio
upload: image/gif
upload: image/jpeg
upload: image/png
upload: text/html
upload: text/plain
upload: text/richtext
#upload: video/avi
#upload: video/msvideo
#upload: video/x-msvideo

#####
# EMAIL SETTINGS #
# # #
# sendmail=blat.exe -server yourserver.com #
# Path to the sendmail program #
# This needs to be uncommented to allow email notification to work #
# sendmail=c:\tcpip\bin\sendmail.exe (typical under OS/2) #
# sendmail=blat (typical under Windows) #
# sendmail=sendmail (typical under Windows) #

```

```

# Add "-test" to the end of this line for diagnostic output
#
# server_name=http://www.yourserver.com
# This supplies the name of the server or virtual host.
# (this might have to be set to correct the e-mailed URLs
# but it is better not to specify it unless necessary)
#
# admin=webmaster@yourserver.com
# E-mail address of the forum administrator.
#
# verify_notification=yes [yes/no]
# Require users to verify activation of e-mail notification.
# This is required to prevent users from using Ceilidh as
# an agent to generate spam e-mail. You should only switch
# this off if you trust your users, e.g., in a corporate setting.
#
# mailfrom=admin [admin/ceilidh]
# Have the return to address be that of the forum administrator
# or "ceilidh@yourserver.com". Note that Ceilidh is not (yet)
# capable of adding posts from incoming mail.
#
# show_email=yes [yes/no]
# Display the authors' e-mail addresses in posts.
#
#####

#sendmail=blat.exe -server yourserver.com
#server_name=http://www.yourserver.com
#admin=webmaster@yourserver.com
#verify_notification=yes [yes/no]
#mailfrom=admin [admin/ceilidh]
#show_email=yes [yes/no]

#####
# INDEX BACKUP AND RECOVERY
#
# backup=recovery [daily/frequent/recovery]
# daily: backup the index on auto-expiration (<= once per day)
# frequent: backup the index on every post, reply, edit and delete
# recovery: as above (frequent backups) + automatic recovery
#
#####

#backup=recovery [daily/frequent/recovery]

#####
# FORUM CONFIGURATION OPTIONS TEMPLATE
#
# See the registration database page for details
# Uncommented options are propagated to newly created forums
#
#####

#newest=top
#date=USA
#HTML=yes
#counters=yes
#quote=yes
#edit=yes
#show IP=no
#attach=yes
#IP_binding=no
#force_cookies=no
#IP registration=yes
#expiration=regular
#icon_style= border=0 width=90 height=13

#####
# BROWSER PROPERTIES
#
# browser: browserID, xxxx
# Leave a space after the colon.
# These settings modify Ceilidh's behavior
#

```

```

#                                                     #
# (, x--) Carriage return (CR) handling                #
# where x=0, CR=0d; x=1, CR=0a; x=2, CR=0d0d; x=3, CR=0a0a #
#                                                     #
# (, -x--) Tokenize HTML tags                          #
# where x=0, tokenize=no; x=1, tokenize=yes           #
#                                                     #
# (, --x-) Graphics capability                         #
# where x=0, Lynx; x=1, normal; x=2, WebExplorer; x=3, HotJava #
#                                                     #
# (, ---x) Attachment upload                          #
# where x=0, attachments=no; x=1, attachments=yes    #
#                                                     #
#####
browser: Mozilla/2.02, 2010
browser: HotJava, 1130
browser: Lynx, 1100
browser: Microsoft, 0110
browser: Mosaic, 1010
browser: Mozilla/1, 0010
browser: Mozilla/2, 0010
browser: Mozilla/3, 0011
browser: Mozilla/4.04b1, 2011
browser: Mozilla/4, 0011
browser: MSIE 3, 0011
browser: WebEx, 0120

```

Troubleshooting

You can change any or all of the critical directory and file names but, before you do this, you should ensure that everything works correctly using the default filename and directories, if possible. In the event that you later encounter an obstacle you will save yourself untold grief if you first verify that everything works when you install Ceilidh in its default configuration. If Ceilidh doesn't work, working through the following steps should allow you to pinpoint the problem.

1. Test Ceilidh at the command prompt

Open a command prompt , navigate to the directory in which the executables are located and type "ceilidh". This should elicit an informational response in which Ceilidh notes its version number and build date.

```
>ceilidh
```

```
Ceilidh REGULAR forum version 2.60 [ build date 2-06-2000 ]
```

```
Ceilidh (TM) is a CGI program, written in C, that permits group discussions  
to be hosted on the World Wide Web. Ceilidh must be run in conjunction with  
a Web server; its functionality is only accessible through HTTP requests.
```

```
A complete description of Ceilidh is available at www.lilikoi.com  
Copyright Lilikoi Software, Inc. All rights reserved.
```

Similar responses can also be elicited from Fiddler and TestCGI. The reason to run this test is that it indicates the executables are viable and have not been corrupted by, e.g., FTPing them in ASCII mode. There is also the additional benefit that this displays the executables' version numbers and build dates.

2. Run Ceilidh from the browser

Once you have verified that Ceilidh runs on your system, you must next ensure that it is located in the server's cgi-bin directory and that it is executable by the server.

Point your web browser to

<http://127.0.0.1/cgi-bin/ceilidh.exe>

This should execute Ceilidh on the local machine. 127.0.0.1 is the standard loopback IP address. The browser should return a page that looks like this.

Ceilidh

PROFESSIONAL forum version 2.60 [build date 2-06-2000]
MOZILLA/4.7 [EN] (WINNT; I) client

Ceilidh (TM) ("kay-lee") is a CGI program, written in ANSI C,
that permits group discussions to be hosted on the World Wide Web.

A complete description is available at www.lilikoi.com.
Copyright © Lilikoi Software, Inc. All rights reserved.

If this doesn't work, the server will respond with "Error 500: file not found". Since it is possible that the loopback IP address has not been enabled you should also try using the server's actual IP address or host name, e.g.,

<http://www.yourserver.com/cgi-bin/ceilidh.exe>

When Ceilidh is executed by the server without a query string, such as the plain "?P0" that appears on the POST button, it will always respond with copyright notices indicating its version number and build date.

If Ceilidh can't be executed from the browser, but it can be executed on the computer itself, the "cgi-bin" directory has not been configured correctly. You must check the web server configuration to ensure that CGI capability is enabled.

Note that you cannot execute Ceilidh through your browser as if it were a local file since Ceilidh needs to operate within the environment of the Web. Thus, if you try to open Ceilidh as a local file, as in the following example, it will not work.

<file:///C:/InetPub/www/cgi-bin/ceilidh.exe>

Ceilidh tests for the presence of the "HTTP_USER_AGENT" CGI variable and infers from its absence that it is running outside of a Web environment and does not send an HTTP header. The absence of this header provokes the browser to offer to save the ceilidh.exe executable to your hard drive.

3. Test the forum

Once you know that Ceilidh runs on your server you should verify that ceilidh.html contains URLs that point to the correct forum and cgi-bin directories.

Make sure that the supplied ceilidh.html file is placed in the directory "ceilidh" one level below the server's document root directory, then point the browser to the URL

<http://127.0.0.1/ceilidh/ceilidh.html>

Bring the mouse cursor to rest over the POST button.
The target URL, which is displayed by most browsers, should be

http://127.0.0.1/cgi-bin/ceilidh.exe/ceilidh/?P0

?P0 is the query string that notifies Ceilidh that you want to post a new message that starts a new thread.

If you have previously changed the name of the forum directory, the name of the "cgi-bin" directory, or the name of the Ceilidh executable, then the POST button URL in ceilidh.html must be modified to reflect these changes. Each of these changes adds a new level of complexity, which is why we recommend that you start off with the default names. If you must change these names at this stage of the game, the following three scenarios explain the changes that must be made to ceilidh.html.

Ceilidh directory

If you move the index page to a directory other than "/ceilidh", to "/test/widgets" for example, then this change will need to be reflected on the message index page POST button and all the other URLs that invoke Ceilidh.

Fiddler will prompt you to provide the correct name for the index page during index initialization, but it is essential that the index page URLs are updated prior to index initialization.

cgi-bin directory

If you move the executables to a directory other than "cgi-bin", to "cgi-whatever" for example, then this change needs to be reflected both on the ceilidh.html page POST button and all the other URLs that invoke Ceilidh as well as in the ceilidh.conf file.

For the POST button on the forum page

and in the ceilidh.conf file

cgibin=/cgi-whatever/

We don't recommend changing the cgi-bin directory unless absolutely necessary!

Ceilidh's name

If you change the name of the Ceilidh executable to "forum.exe" for example, then this change will need to be reflected both on the message index page POST button and in the ceilidh.conf file.

For the POST button on the index page

```
<a href="http://server name/cgi-whatever/forum.exe/test/widgets/?P0">
```

and in ceilidh.conf

```
ceilidh=forum.exe
```

We also don't recommend changing Ceilidh's name unless absolutely necessary!

4. ceilidh.conf

When you first click on the POST button on the message index page, Ceilidh writes the ceilidh.dat file to disk with all parameters set to their defaults. This file is written to the directory specified by "**path=**" in the ceilidh.conf file or to the default location, the current directory.

If Ceilidh responds with **fatal error #4002** when you click on the POST button, this means that it cannot write the ceilidh.dat file. It is either trying to write this file to a directory that doesn't exist, or to a directory in which it is being denied permission to create files. To facilitate the resolution of this problem, Ceilidh indicates the path to the directory where it is trying to write ceilidh.dat. Ceilidh also notes that it is unable to log this error -- because it writes the ceilidh.err log file to the same directory that it write the ceilidh.dat file to.

In some cases, Ceilidh's primary configuration file, ceilidh.conf, is not being read. If this is the case, Ceilidh will note that it is

"Using the global default configuration"

Ceilidh has to read ceilidh.conf in order to work optimally (in cases like this to work at all). Ceilidh.conf is absolutely required for file attachment and e-mail notification to work. Ceilidh tries to find ceilidh.conf in several locations that include, in order, the document **data root**, the **current directory**, the **cgi-bin** directory and, finally, the **c:** directory.

Almost all web servers set the current directory to the cgi-bin directory. O'Reilly's WebSite server, however, sets the current directory to the WebSite directory itself.

Until you prevent the "global default configuration" error message you will not be able to progress beyond the #4002 error. Try moving the ceilidh.conf file to each of the alternate directories noted above until this error messages goes away when you click the POST button.

Once you have succeeded in having the ceilidh.conf file read you must correct fatal error #4002 using the "**path=**" setting in ceilidh.conf. Make sure "**path=**" points to the directory that will store

Ceilidh's database files. This directory should lie outside the web data path because it contains information (e.g., user passwords) that you don't want to reveal over the Web. Once you have passed the fatal error #4002 hurdle, clicking on the POST button on the message index page will elicit the button to initialize the index using Fiddler.

5. Automatic activation of Fiddler

When Ceilidh successfully writes the registration database file, it will prompt you to "initialize" the index using Fiddler.



Fiddler will first prompt you to enter a unique password to control future access and then to review the index settings so you can change these, if you like. All of these options can be changed at a later date except for the user authentication (lax or strict), which can only be changed while there are no registered users.

If Fiddler fails to respond, the server itself is likely to respond with a "File Not Found" error message. This error results from a problem with the mapping of the **cgi-bin** directory. Use the browser's back button to go back one page. Take a look at the URL that the browser is pointing to when you ran Ceilidh. Now go forward one page and compare this URL, which ought to call Fiddler, to the URL which did call Ceilidh.

Is there a difference in the paths? If there is a difference in the two paths, you will have to uncomment the "**cgibin=**" line in the ceilidh.conf configuration file and adjust this to be the same as the cgi-bin directory that successfully ran Ceilidh. After you have made this change, you should start off again from ceilidh.html to ensure that the change to the cgi-bin directory is read by Ceilidh.

Once you have passed both these hurdles, Fiddler will be invoked automatically and you will see the index initialization button.

If this sequence didn't work correctly from the start, the database files may have been written with the entry "**fiddled=no**", reflecting the fact that Fiddler wasn't invoked. Instead of invoking Fiddler you will be presented with the normal log-on screen that prompts you to register, enter a password or post as a guest. In this case, in order to gain access to Fiddler, you must invoke Fiddler manually using the default password "**faile**". You should do this to ensure that you control the forum. Then you can use Fiddler to change the behavior of the forum, to add, edit and delete users, etc.

6. Post a message as a guest

The next step is to try posting a message using the guest account.

Click on the POST button on ceilidh.html to begin the process of posting a new message. The normal log-on page will appear that asks you to enter a password, register, or post a message as a guest.

Click on the Guest button. The message composition page will appear that will have the same appearance (background and level one header) as ceilidh.html.

If you altered the HTML level one header on ceilidh.html and the old ceilidh.html appearance still shows up, this is because Ceilidh is reading old header information from the **ceilidh.dat** file. You can use Fiddler to resynchronize the header information stored in ceilidh.dat to that ceilidh.html or you can use Fiddler to edit the graphic header stored in ceilidh.dat independent of ceilidh.html.

7. Check the hidden fields

If you are still having trouble getting Ceilidh to run correctly, the next step is to check the hidden fields that Ceilidh uses to send information to the server.

Click on the POST button and use the browser's "view source" option to examine the hidden fields.

```
<INPUT TYPE="HIDDEN" NAME="ceilidh_path" VALUE="/ceilidh/">
<INPUT TYPE="HIDDEN" NAME="translated_path"
      VALUE="/inetpub/wwwroot/ceilidh/">
<INPUT TYPE="HIDDEN" NAME="ceilidh" VALUE="ceilidh.exe">
<INPUT TYPE="HIDDEN" NAME="fiddler" VALUE="fiddler.exe">
<INPUT TYPE="HIDDEN" NAME="cgibin" VALUE="/cgi-bin/">
<INPUT TYPE="HIDDEN" NAME="icons" VALUE="/ceilidh-icons/">
```

Each of these values is configurable either in the message index page or in the ceilidh.conf file.

ceilidh_path is furnished by the index page POST button. The web server translates ceilidh_path to translated_path.

```
<a href="/cgi-bin/ceilidh.exe/ceilidh/?P0">

</A>
```

"ceilidh=", "fiddler=", "cgibin=" and "icons=" point to the names of the Ceilidh and Fiddler executables, the name of the cgi-bin directory in which the Ceilidh and Fiddler executables have been placed and the name of the icons directory (which must be in the web data path).

The defaults for these values in ceilidh.conf are

```
ceilidh=ceilidh.exe
fiddler=fiddler.exe
cgibin=/cgi-bin/
icons=/ceilidh-icons/
```

These particular values, however, might not be appropriate for your system.

It is imperative that these values, as seen in the hidden fields, are correct for your system. Ceilidh automatically corrects the orientation of the slashes for the operating system that it is running under, so you don't need to worry about these. If Ceilidh doesn't run and you are unsure whether

or not these values are correct, you should contact your system administrator for help and reference these instructions.

8. Diagnostic analysis using TestCGI

To facilitate further troubleshooting, we include a diagnostic program, "**TestCGI**" which can help determine whether there is an error in your web server's configuration. Place testcgi.exe in the cgi-bin directory and invoke it with the URL on the sample forum page.

`http://127.0.0.1/cgi-bin/testcgi.exe/ceilidh/?P0`

The browser will then show the CGI variables.

Essential

CONTENT_LENGTH
HTTP_USER_AGENT
PATH_INFO
QUERY_STRING
REMOTE_ADDR

Non-essential

DOCUMENT_ROOT
HTTP_COOKIE
HTTP_REFERER
PATH_TRANSLATED
REMOTE_HOST
SCRIPT_FILENAME
SCRIPT_NAME
SERVER_PORT

TestCGI reports further variables in order to enhance its general utility.

9. Explanation of selected error messages

You cannot change Fiddler's password over the Web

This error message should never be seen. It prevents Fiddler's password from being changed over the Web. You can change Fiddler's password once it has been written, but only by direct access to the server.

Ceilidh fatal error #3000

The index page could not be opened

If you activate a forum and later change the name of the message index page from, e.g., "ceilidh.html" to "forum.html", Ceilidh will report fatal error #3000. The reason is that the ceilidh.dat file tracks index pages by the absolute path to the forum directory, the PATH_TRANSLATED variable. This path is recorded in the registration database and used to identify each forum. If the name of the actual index page is changed, but the index page name in ceilidh.dat is not changed, then Ceilidh will determine that there is no longer a match and will report fatal error #3000. The solution is to delete the ceilidh.dat file and start over.

10. Still doesn't work?

There are two free support options available. Alternatively, for a fee, Lilikoi Software, Inc. will install the software for you.

Ceilidh support forum

Post your problem on the on-line support forum.
http://www.lilikoi.com/support_ceilidh.html

Ceilidh listserv

Send a message to **majordomo@lennon.shim.org** with the phrase "subscribe ceilidh" in the body of the message. Please ensure that your reply-to address is valid. You can unsubscribe by sending "unsubscribe ceilidh" to the same address. To send a message to the list use the address **ceilidh@lennon.shim.org**

Lilikoi Software

If you would prefer to have someone install Ceilidh for you, please contact Lilikoi Software, Inc. with a credit card number, system username and password and we will install the software (one forum) for a \$90 fee. Licensing of the professional version is optional and is not included in this fee.

Phone	(619) 405-4247
Fax	(619) 487-0451
e-mail	sales@lilikoi.com

Creating additional forums

To create additional forums, you should copy the original **ceilidh.html** page to a new directory and adjust the URLs on this page such that the `PATH_INFO` variable reflects the new path.

Create the new directory

If, for example, you want to create a new forum to discuss the properties of round widgets, you should create a new directory in the web data path

/widgets/round

Copy an index page

Copy the original `ceilidh.html` page to this new directory. You can rename this page to anything you like.

Adjusting the index page

There are up to five critical URLs on `ceilidh.html` and each one is a URL that calls Ceilidh. In addition to the URL for the **POST** button, there can be as many as four additional, albeit optional, URLs that allow users to invoke Ceilidh for the purpose of changing their e-mail notification option, editing their registration information, allowing the administrator to activate Fiddler in order to make changes to the index behavior and allowing the administrator to run the TestCGI diagnostic program.

When you move `ceilidh.html` to a new directory you must correct these URLs, preserving the query strings, e.g., **?P0**, prior to use of the new forum.

Original

```
<a href="http://server name/cgi-bin/ceilidh.exe/ceilidh/?P0">
```

New

```
<a href="http://server name/cgi-bin/ceilidh.exe/widgets/round/?P0">
```

Failure to correct these URLs will result in messages appearing in the wrong forum, or in fatal error #3000.

Click on “POST” to activate the new forum

Fiddler automatically intercepts your first use of a new forum to guide you through the process of its customization. You should initialize new forums immediately upon installation to ensure that *your* password is the one that controls Fiddler.

Forum expansion/contraction

Professional version only

Ceilidh can serve up the ceilidh.html page dynamically through use of the "?I0" query string. With no qualification, ?I0 returns the regular, expanded index. When "?I0&xroot=" is used, however, this triggers the contraction of the entire message index so that only the root messages of each thread are displayed

Expanded (static HTML page)
<http://www.yourserver.com/ceilidh/ceilidh.html>

Expanded (served by Ceilidh)
<http://www.yourserver.com/cgi-bin/ceilidh.exe/ceilidh/?I0>

Contracted (served by Ceilidh)
<http://www.yourserver.com/cgi-bin/ceilidh.exe/ceilidh/?I0&xroot=>

Any operation on a message within a thread will cause that particular thread to remain expanded when the index is returned and all the other threads to remain contracted.

The number of messages with each thread is indicated by the hyperlinked number "[x msgs]" at the end of each line. Clicking on this hyperlink opens that particular thread of messages in message digest mode, i.e., all messages are listed simultaneously.

Rather than creating a hyperlink to the static forum page,

<http://www.yourserver.com/ceilidh/ceilidh.htm>

create instead a hyperlink to the contracted index page,

<http://www.yourserver.com/cgi-bin/ceilidh.exe/ceilidh/?I0&xroot=>

Users can therefore be offered a choice of which format they prefer by presenting them with both the regular index page URL and the URL (formed as shown above) that transmits the contracted index page. From each user's perspective, it is best to stick to a particular view, once chosen, so that the messages remain marked as read by their browser.

Framed forums

Professional version only

The professional version of Ceilidh contains five accessory HTML pages in the ceilidh directory. These are **frame.html**, **xframe.html**, **message.html**, **index.html** and **top.html**. Each of these files is involved in presenting a framed view of the forum in which the message list, `ceilidh.html`, occupies one frame and the message contents occupies the other frame.

frame.html

```
<HTML>
<HEAD>
</HEAD>
<FRAMESET COLS="60%, *">
  <FRAME NAME="index" SRC="/cgi-bin/ceilidh.exe/ceilidh/?I0&framed=">
  <FRAME NAME="message" SRC="message.html">
</FRAMESET>
</HTML>
```

xframe.html

```
<HTML>
<HEAD>
</HEAD>
<FRAMESET COLS="60%, *">
  <FRAME NAME="index" SRC="/cgi-bin/ceilidh.exe/ceilidh/?I0&framed=&xroot=">
  <FRAME NAME="message" SRC="message.html">
</FRAMESET>
</HTML>
```

`Frame.html` and `xframe.html` are two framesets that both contain two frames. One frame is occupied by the forum page as returned by Ceilidh whereas the second frame is occupied either by a message or by a default page `message.html`, which can contain anything you like.

The above two examples therefore illustrate two further uses of the **"?I0"** query string.

"?I0&framed=" signals Ceilidh that the forum is being presented in a frameset and that it should therefore send the message list to one frame and the message contents to a second frame.

"?I0&framed=&xroot=" signals Ceilidh that it should send the contracted message list to the message list frame.

These framed views can both coexist with the fully expanded and the contracted views of the message list. Thus, one can present users with all four of these choices.

In our experience each user has his/her own preference that is dictated by their screen size and by the frequency with which they visit the forum. In order to facilitate the presentation of all four choices we have included a master frameset, **index.html**, and a button bar, **top.html**, mimicking the setup on Lilikoi's test forum.

index.html

```
<HTML>
<HEAD>
</HEAD>
<FRAMESET ROWS="8%, *">
  <FRAME NAME="top" SRC="top.html" BORDER=0 FRAMEBORDER=0 SCROLLING="NO">
  <FRAMESET>
    <FRAME NAME="main" SRC="ceilidh.htm" BORDER=0 FRAMEBORDER=0>
  </FRAMESET>
</FRAMESET>
</HTML>
```

top.html

```
<HTML>
<HEAD>
</HEAD>
<BODY>

<B>Presentation mode:
  [ <A href="http://www.lilikoi.com/ceilidh/ceilidh.htm"
    TARGET="main">expanded</A> ]
  [ <A href="http://www.lilikoi.com/cgi-bin/ceilidh.exe/ceilidh/?I0&xroot="
    TARGET="main">contracted</A> ]
</B>

<FONT SIZE="1">and you'll need a</FONT>
  <I><FONT SIZE="+1">big screen</FONT></I>
<FONT SIZE="1">for these</FONT>

<B>
  [ <A href="http://www.lilikoi.com/ceilidh/frame.html"
    TARGET="main">framed</A> ]
  [ <A href="http://www.lilikoi.com/ceilidh/xframe.html"
    TARGET="main">contracted & framed</A> ]
</B>

</BODY>
</HTML>
```