



Forum Server

Developer Guide

Version 2.5.1

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1 Introduction

1.1 *12Planet technology: eLiveEngine™*

12Planet ForumServer is a servlet based structured data engine. It is based on the following components:

- A servlet engine: a servlet engine and a web server are included but 12Planet ForumServer can work with any web server and application server
- A database: a database is included but 12Planet ForumServer can work with any JDBC compliant database, for example Oracle 8i and higher
- Module eLiveWeb™: servlet pack that provides core dynamic page generation features.
- Module eLiveContent™: servlet pack that provides structured content management features.
- Module eLiveCommunity™: servlet pack that provides login/user rights management features.

2 Installation

3 First steps with Forum Server

3.1 Step 1: Install 12Planet Forum Server

3.1.1 Windows 95 / 98 / NT / 2000 / XP

□ Double-click on file: `install.exe`

It can be run as Windows Service as well (open your Windows Service administration window)

3.1.2 SUN Solaris® / Unix / Linux

□ **Step 1: Download** on your local computer the 12Planet Software Archive file by opening in a browser: http://www.12planet.com/path_given_to_you_by_mail/install.bin

□ **Step 2: Upload** from your local computer to the remote server with FTP the file: `install.bin`

□ **Step 3 – Graphical installation: Launch** the binary installer from a shell window:

```
./install.bin
```

□ **Step 3 – Console mode: Launch** the binary installer from a shell window:

```
./install.bin -i console
```

Advance settings.

Usage: `install [-f <path_to_installer_properties_file> | -options]`

where options include:

`-?` show this help text

`-i [awt | swing | console | silent]` specify the user interface mode for the installer

`-D<name>=<value>` specify installer properties

notes:

1. the path to the installer properties file may be either absolute, or relative to the directory in which the installer resides.

2. if an installer properties file is specified and exists, all other command line options will be ignored.

3. if a properties file named either 'installer.properties' or `<NameOfInstaller>.properties` resides in the same directory as the installer, it will automatically be used, overriding all other command line options, unless the '-f' option is used to point to another valid properties file.

4. if an installer properties file is specified but does not exist, the default properties file, if present, will be used. Otherwise, any supplied command line options will be used, or if no additional options were specified, the installer will be run using the default settings.

Example: `[user@gaia Others]$./install.bin -i console`

3.2 Step 2: Start and stop

□ **Step1: start / stop**

Windows - Quick Start:

Use Start Menu shortcut: "Quick Start / 1-Start"

Or doubleclick start.exe

Windows - Service (NT / 2000 / XP edition):

Start "12Planet Service" from Services Panel

Windows - console test mode:

Doubleclick start.bat

SUN Solaris / Linux / Unix, run:

To start, execute: `./start`

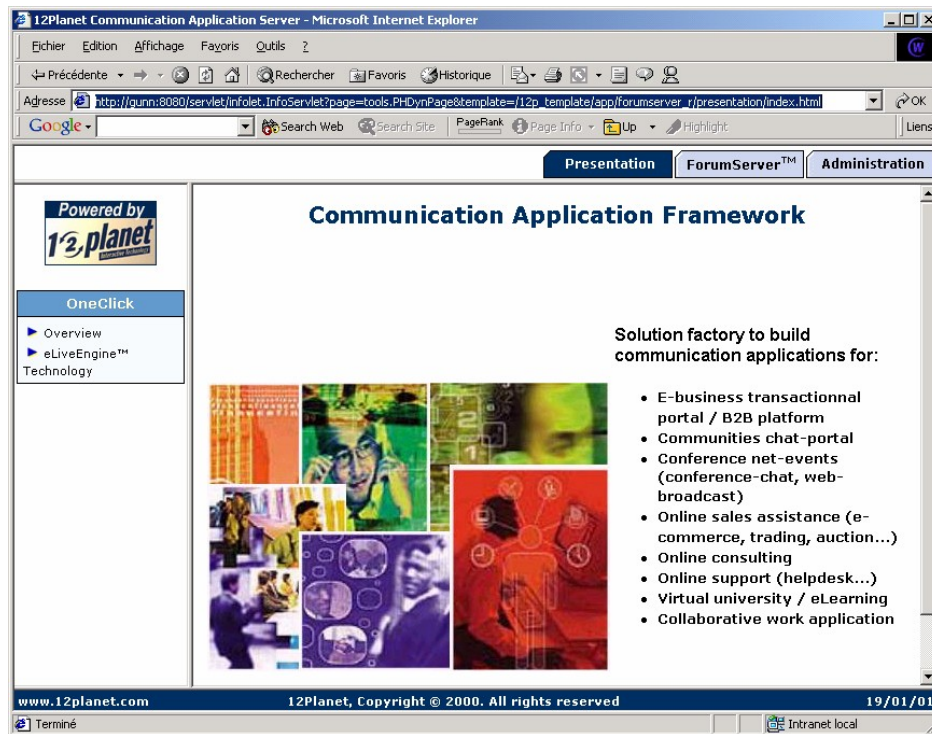
To stop, execute: `./stop`

Any platform, run java process

```
java start
```

□ **Step2: Open a web browser with:** http://server_ip:8080/index.html

You will see:



4 Database initialization

By default, the database is initialized and ready to run. If you need to reinitialize the databases, please follow below procedure.

4.1 Step 1 - Delete DB

Case HyperSQL database: delete content of directory: 12planet_server/databases/

Case other database: please refer to your database manual guide.

4.2 Step 2 - Define general configuration

Step1: Open in a web browser the URL:

`/servlet/infolet.InfoServlet?page=infocommunity.PHInitDB&domain=administration`

As a result, all the required tables for login management have been created and the following users profiles have been created:

- superuser manager (every right)
- infocommunityadmin manager
- forumadmin manager (only forum managements right)
- guest guest
- anonymous anonymous

Step2: Open in a web browser the URL:

`/servlet/infolet.InfoServlet?page=forum.PSInitDB&domain=administration`

As a result, all the required tables for information content management have been created, the forum "default" have been created and the following types have been created:

- admin
- visitor

Technical note: this HTTP API automatically runs the following script files against the database

12planet_server/conf/sql/initinfocommunity.sql

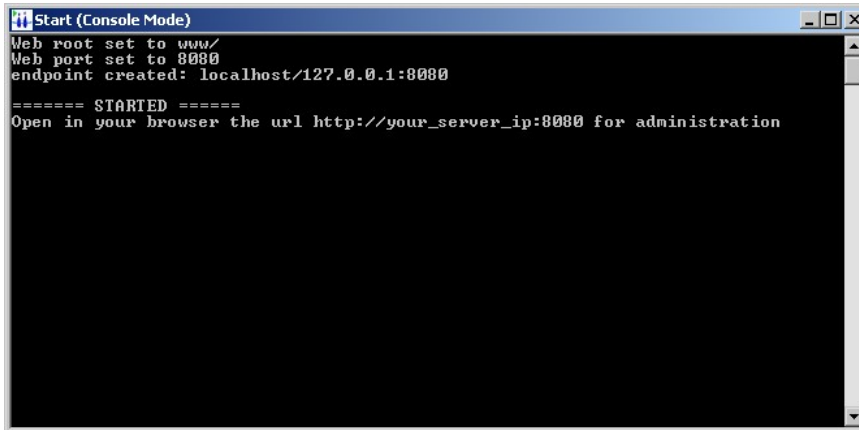
12planet_server/conf/sql/initcommon.sql

12planet_server/conf/sql/initforum.sql

5 User manual

5.1 Start the server

Make sure the ForumServer is started, if not here are the instructions to start the server on Windows platforms: click on the “Start menu/12Planet ForumServer v2.5.1/Start (Console Mode)”. A black DOS prompt window should open up as the following:



```
Start (Console Mode)
Web root set to www/
Web port set to 8080
endpoint created: localhost/127.0.0.1:8080

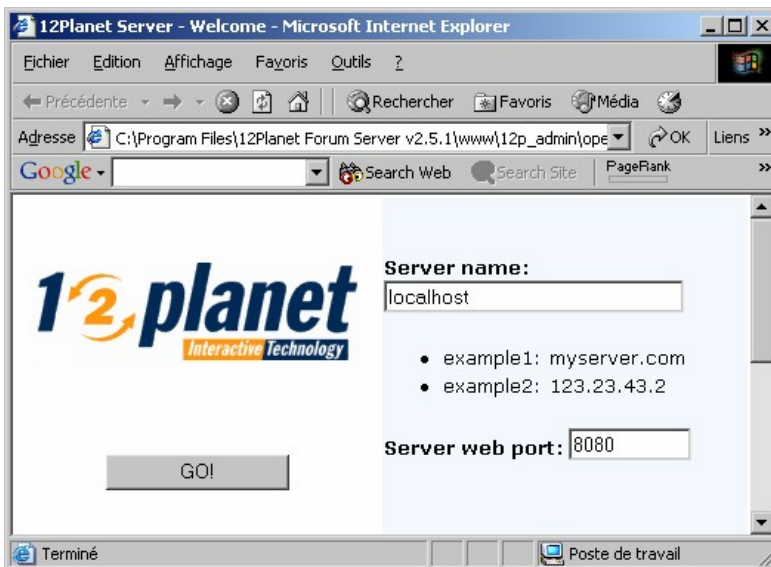
=====  
STARTED  
=====
Open in your browser the url http://your_server_ip:8080 for administration
```

5.2 Open the test page

Open <http://ServerIP:8080> to test, replace ServerIP by “localhost” if you are testing the software directly on the machine where it’s installed, ex: <http://localhost:8080>

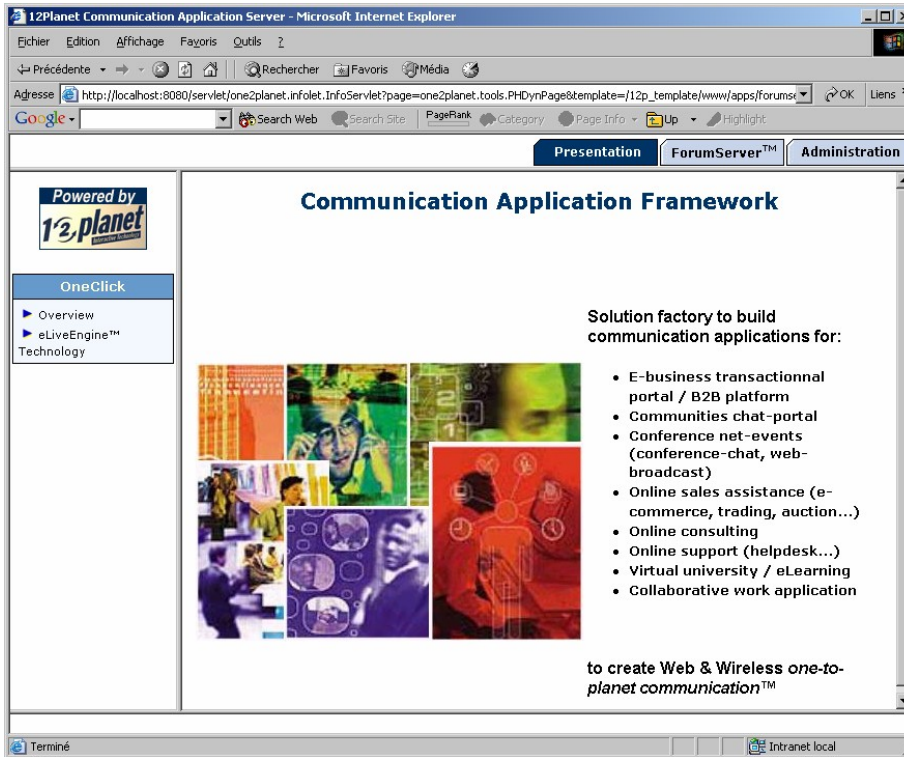
The other way to open this page is to use the shortcut in the “Start Menu” on Windows platforms:

Click on “Start/12Planet ForumServer v2.5.1/Open browser” to open the following page:



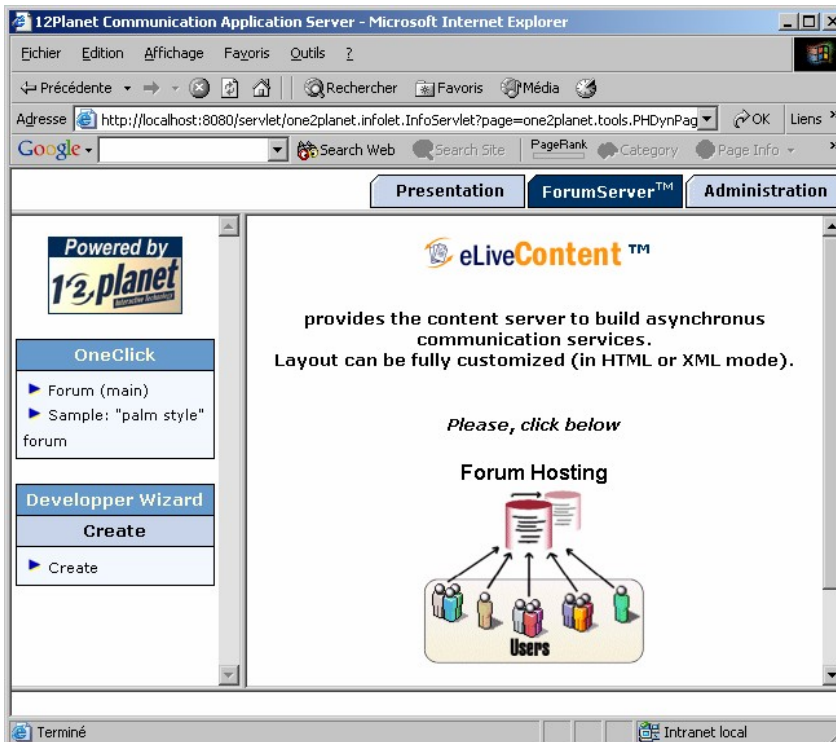
click on “GO!”

In any case, you should see the following page, if not please make sure your forum server software is started correctly:

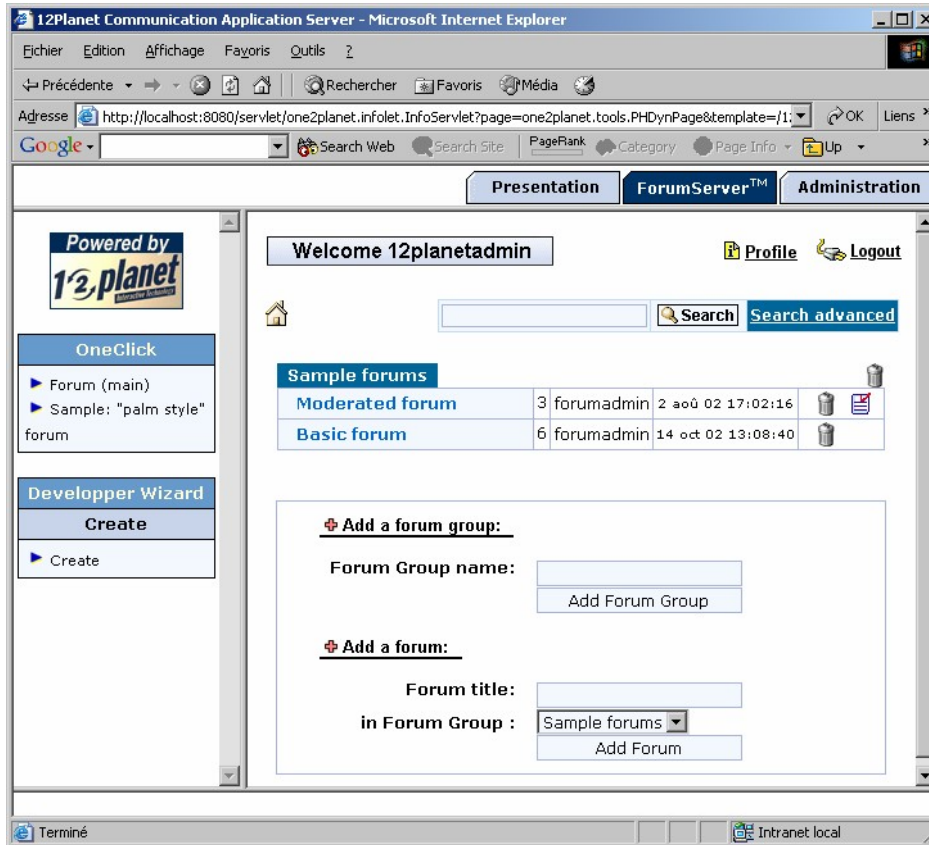


5.3 Log into the main forums listing page

Click on the tab "ForumServer", you should see



click on the "Forum (main)" link on the left side menu. You will see:



5.4 Add/Delete Forums

Depending on the account under which you logged into the forum, you may or may not have the right to create forums and forum groups. If you don't have the right, the creation forms won't be visible.

Use the following form to add a forum group:

+ Add a forum group:

Forum Group name:

Use the following form to add a forum to a forum group:

+ Add a forum:

Forum title:
in Forum Group :

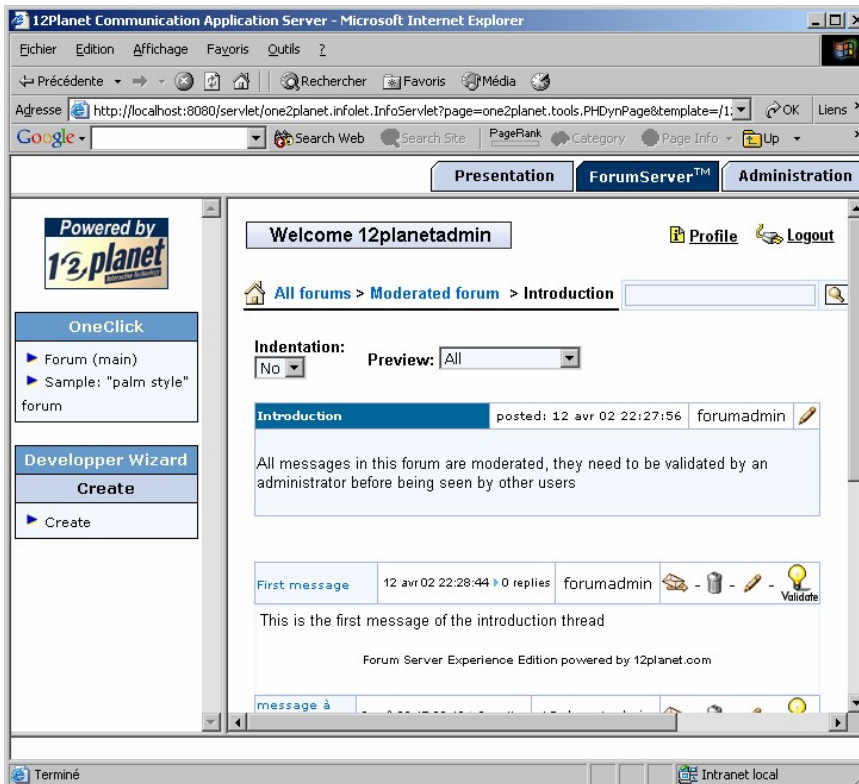
You can remove Forums by clicking on the trash can icon on the right side of the Forum.

5.5 How to Moderate Messages and Forums

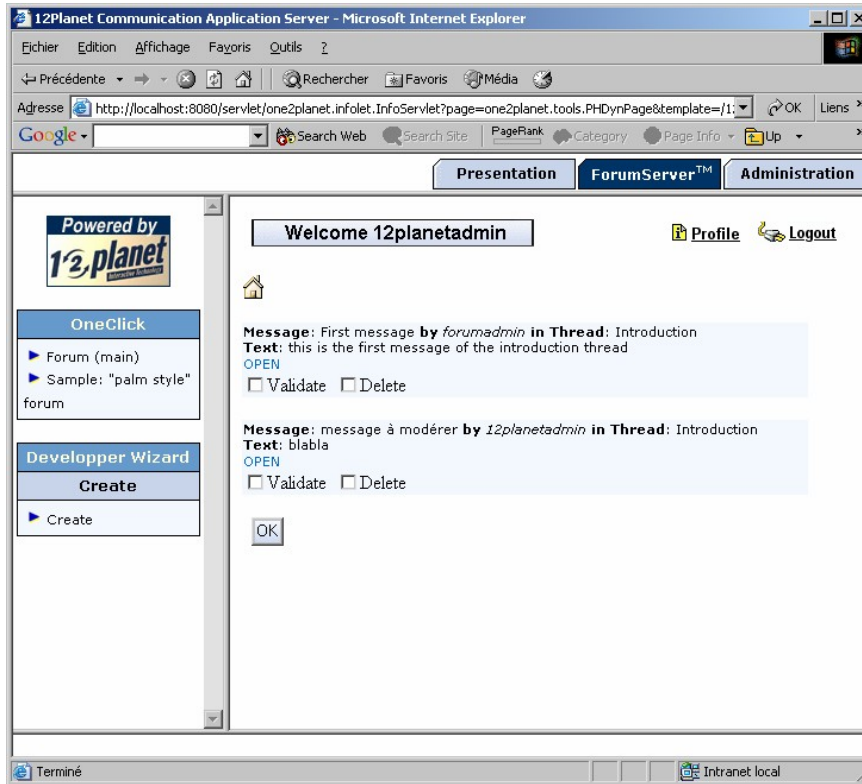
We don't need to create any forum group or forum for now, let's use the default ones for testing. There is a default Forum group called "Sample forums", under which you'll find "Moderated Forum" and "Basic Forum"

You can configure each forum to be moderated or not (administration console under the "Administration" tab). If a forum is moderated, all messages posted to this forum will remain invisible to all users except to its creator and the moderators until a moderator validates the message.

The moderator has 2 ways to validate the messages, either message by message when clicking on the "light bulb" icon at the right side of each message, ex:



or he can moderate all awaiting messages in a Forum once. Near each forum, there is a moderation button that appears only if the current user has rights to moderate, and if there is some message to validate. This button lets you to access to the page that contains all messages to moderate of the selected forum. When he clicks on the icon "sheet + check sign" at the right side of each forum, he'll then see the following screen where he can do an one step group validating of all awaiting messages:



The moderator chooses between validate and delete a message.

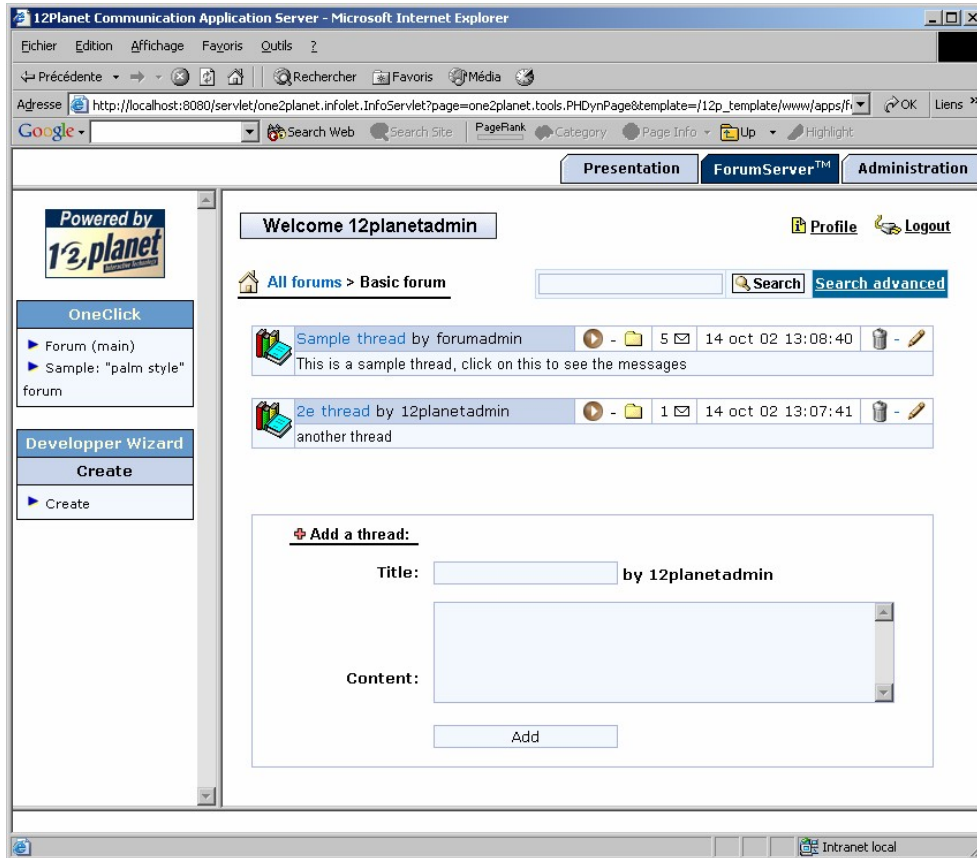
The deletion of a message implies the deletion of all its responses.

The [OPEN](#) link opens up the web page where the message is located for the moderator to see the full list of previous messages.

5.6 Features available to users

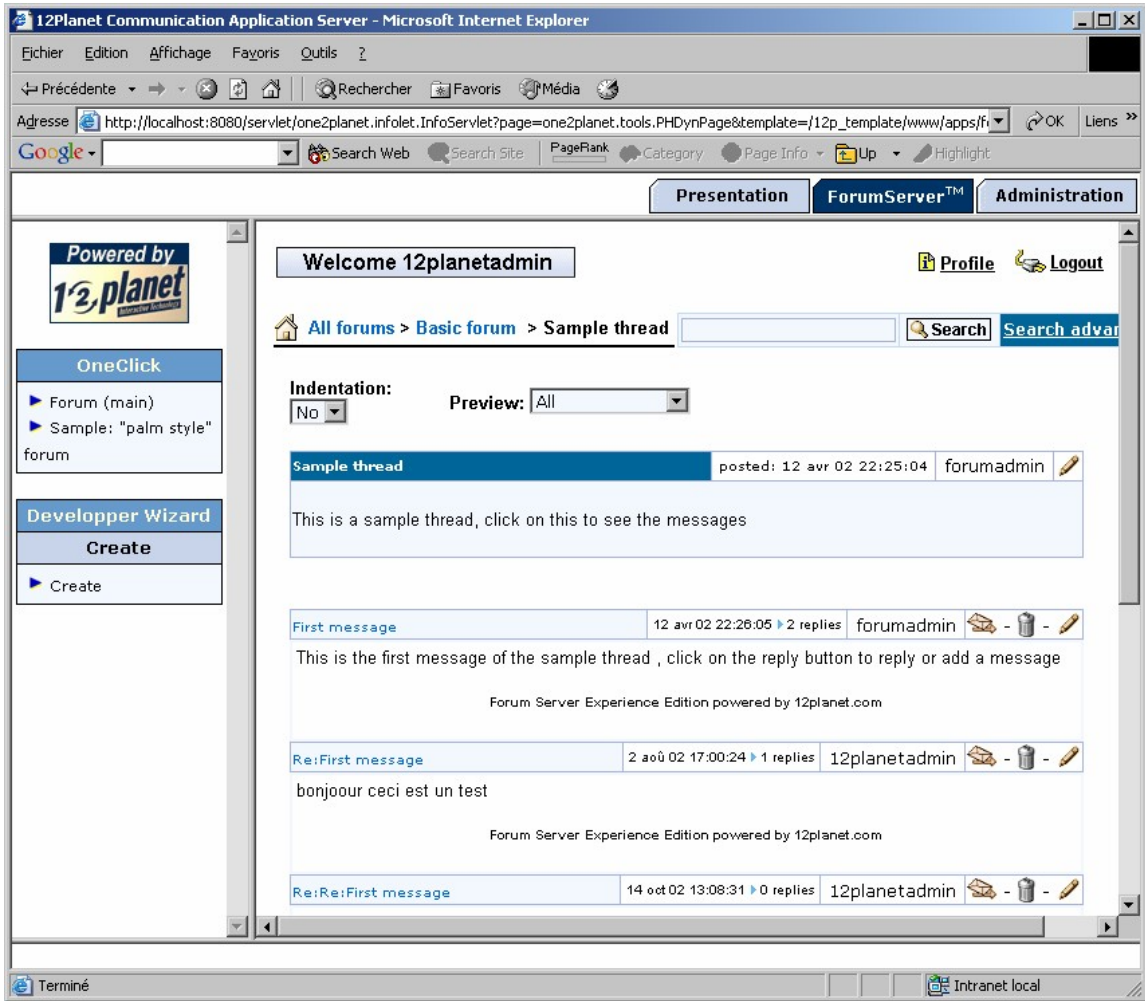
On the page of the list of Forums, an user will see all the forums he is allowed to see.

He can click on any Forum link to enter into this forum. For example, let's click on the "Basic forum":



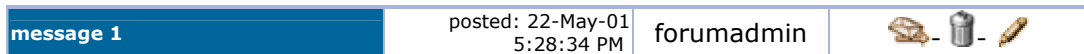
The user sees all the available threads in this forum. Depending on his rights, he will see or not see the “add a thread” option. He will see or not see the “trash can” icon to delete a thread, and the “pencil” icon to edit the title of a thread.

By clicking on a thread, he will see all the messages contained in this thread. Let’s click on the “Sample thread”:



The user sees all the available messages in this thread. Depending on his rights, he will see or not see the “add a message” option and the “envelop” icon to reply to a message. He will see or not see the “trash can” icon to delete a message, and the “pencil” icon to edit the content of a message.

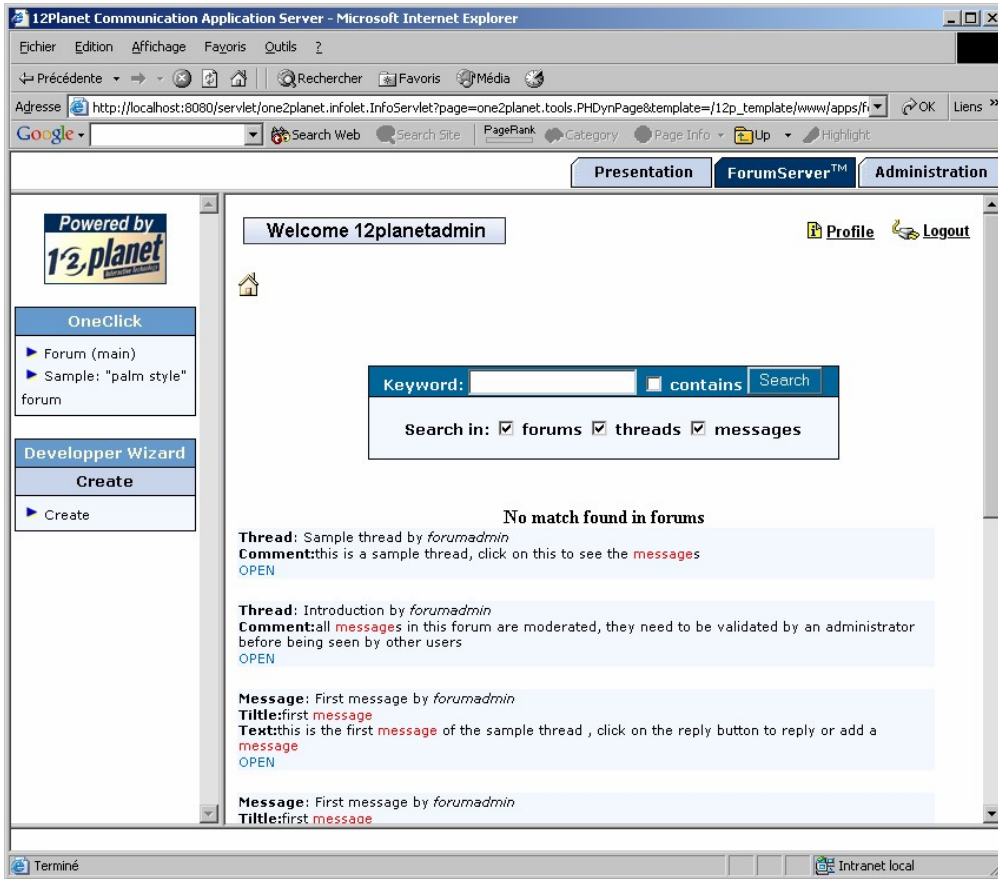
In the example below the user has the right reply/delete/edit a message:



5.7 Message indexing and search

All the messages posted into the Forum are indexed according to the indexing level option set for the forum. For example, you can index every word in a message, or only index the 50% of the words with the most occurrences.

For example, if we search the word “message” in the demo forum, we’ll see the following result:



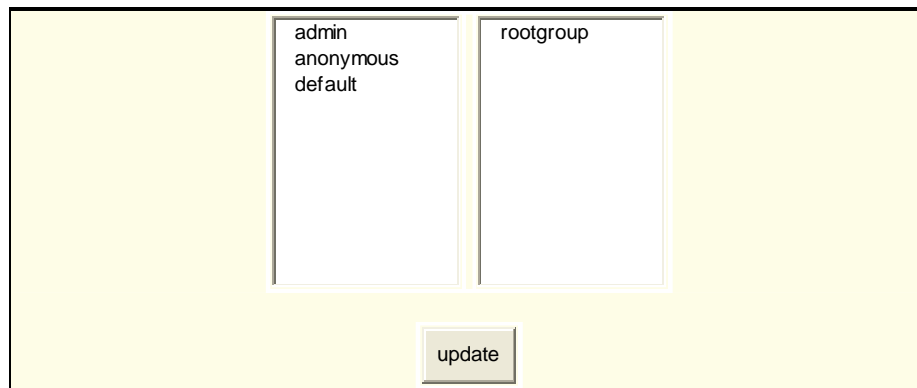
The word is highlighted in red in all the messages found by the search engine.

5.8 Administrate the forums and user groups

The Administration interface provides the tools to add/remove users, and user groups. You can assign an user to one or several user groups.

You may define the rights for each user group.

From the forum configuration link, you can click on the “Authorized groups” button to assign a list of user groups to this forum.



Here only the rootgroup (associated with “superuser”) has access right.

This list will be used if you set the “access reserved...” value of the forum to “yes” (click on the “Properties” button). Only this list of user groups will then have their rights apply to this forum.

FORUM : acces reserved to private group list.	yes (true) ▼
---	--------------

If the “access reserved” option is set to “no”, then all the user groups defined for the access list of the default_group= default_forum will apply to the forum.

Configuration Tips:

- When you configure a forum, if you set a value to “default”, then the value of default_group= default_forum will apply.
- When you configure an user group, if you set a value to “default”, then the value of the “default” user group will apply
- There are different user groups associated with the forum and community. User groups associated with the community let you configure user rights for the user groups administration. User groups associated with the forum let you configure user rights for the forums administration.

6 Module: eLiveCommunity™ pages

6.1 Admin page: users – View

6.1.1 HTTP call: infocommunity.PHPagination

Syntax of HTTP call

`http://forum_server/servlet/infolet.InfoServlet?page= infocommunity.PHPagination`

Parameters :

- maxline_page
- modulename
- nom
- postlist

ex: <http://localhost:8080/servlet/infolet.InfoServlet?page=infocommunity.PHPagination>

6.1.2 HTML structure of template: infocommunity/phpagination

Cf. tile in directory : infocommunity/phpagination

6.2 Admin page: users – Create new

6.2.1 HTTP call: infocommunity.PHAccountCreation

Syntax of HTTP call

`http://forum_server/servlet/infolet.InfoServlet?page= infocommunity.PHAccountCreation`

Parameters :

- appid
- psswd
- question
- email
- type

ex: `http://forum_server/servlet/infolet.InfoServlet?page= infocommunity.PHAccountCreation`

6.2.2 HTML structure of template: infocommunity/phpagination

Cf. tile in directory : infocommunity/phpagination

7 Module : eLiveContent™ pages

7.1 Admin page: forums – View

7.1.1 HTTP call: forum.PHPagination

Syntax of HTTP call
http://forum_server/servlet/infolet.InfoServlet?page= forum.PHPagination
Parameters:
<ul style="list-style-type: none"> • maxline_ppage • modulename • nom • postlist • domain (optional; by default=default) • template (optional; by default= phpagination/index.html)
ex: http://localhost:8080/servlet/infolet.InfoServlet?page=forum.PHPagination

7.1.2 HTML structure of template: forum/phpagination

Cf. file in directory : forum/phpagination

7.2 Admin page: forums properties

7.2.1 HTTP call: forum.PSConfig

Syntax of HTTP call
http://forum_server/servlet/infolet.InfoServlet?page=forum.PSConfig
Parameters:
<ul style="list-style-type: none"> • displayForum • posParam • domain (optional; by default=default) • template (optional; by default= psconfig/index.html)
ex: http://forum_server/servlet/infolet.InfoServlet?page=forum.PSConfig

Per forum, available properties are:

Section	Rights	Type	Default value
General	Is virtual ForumServer set on?	y/n	n
	State of forum	opened/closed	opened
	Is moderation set on?	y/n	y

	Max number of users in cache	integer	100
Index	Rate of words to index	integer	100
	Are family names used for Index?	y/n	n
	Weight of not pre-indexed words	integer	100
Messages	Is simplified HTML used in messages?	y/n	y
	Max number of messages per page	integer	10
	Are messages displayed with uncutable string?	y/n	n
	Max number of messages in total display	integer	400
	Order to display messages	ASC/DESC	ASC
Threads	Are threads displayed with uncutable string?	y/n	n
	Max number of threads per page	integer	10
	Order to display threads	ASC/DESC	ASC

7.2.2 HTML structure of template: templates/forum/forumconfig.html

Tag	Description
(!--posForum--)	
(!--posConfig--)	composed with : config.tile
(!--posCurrentForum--)	

Tile	Tag	Description
config.tile		
	(!--posLabel--)	
	(!--posValue--)	

7.3 Admin page: forum users-groups - view

7.3.1 HTTP call: forum.PSManagegroup

Syntax of HTTP call
<p><code>http://forum_server/servlet/infolet.InfoServlet?page= forum.PSManagegroup</code></p> <p>Parameters:</p> <p>ex: http://localhost:8080/servlet/infolet.InfoServlet?page=forum.PSManagegroup</p>

7.3.2 HTML structure of template: in directory /forum/psmanagegroup/

7.4 Admin page: forum users-groups - create

7.4.1 HTTP call: infocommunity.PSAddType

Syntax of HTTP call

http://forum_server/servlet/infolet.InfoServlet?page=infocommunity.PSAddType

- domain (optional; by default=default)
- template (optional; by default=phpagination/index.html)

ex: `http://localhost:8080/servlet/infolet.InfoServlet?page=infocommunity.PSAddType`

7.4.2 HTML structure of template: in directory /infocommunity/PSAddType/

7.5 Admin page: forum users-groups - config

7.5.1 HTTP call: infocommunity.PSConfig

Syntax of HTTP call

http://forum_server/servlet/infolet.InfoServlet?page=infocommunity.PSConfig

ex:

<http://localhost:8080/servlet/infolet.InfoServlet?page=infocommunity.PSConfig>

7.5.2 HTML structure of template: /infocommunity/rightconfig.html

Tag	Description
(!--posUser--)	
(!--posConfig--)	composed with : config.tile
(!--posCurrentUser--)	

Tile	Tag	Description
config.tile		
	(!--posLabel--)	
	(!--posValue--)	

7.5.3 HTTP API

- Create a rights type
- Update a rights type
- Delete a rights type

Per type, available rights are:

Section	Rights	Parameter	Type	Default value
Application	Configuration		y/n	n
Forum group	Create		y/n	n
	Delete		y/n	n
	Delete option		y/n	n
Forum	Create		y/n	n
	Create option		y/n	n
	Delete		y/n	n
	Delete option		y/n	n
Thread	Create		y/n	n
	Create option		y/n	n
	Delete		y/n	n
	Delete option		y/n	n
	Edit		y/n	n
	Edit option		y/n	n
Message	Delete		y/n	n
	Delete option		y/n	n
	Answer		y/n	n
	Answer option		y/n	n
	Edit		y/n	n
	Edit option		y/n	n
	Validate option (for moderation)		y/n	n

7.6 Content pages: Forums

7.6.1 HTTP call: forum.PHForumSub

Syntax of HTTP call
http://forum_server/servlet/infolet.InfoServlet?page=forum.PHForumSub&domain=domain_name
ex: <code>http://forum_server/servlet/infolet.InfoServlet?page=forum.PHForumSub</code>

7.6.2 HTML structure of template: 12p_template/forum/ForumSub.html

Tag	Description
<code>{!-\$!username--}</code>	User name stored in the session

Tag	Description
(!--\$\$webengine--)	Add the root path in a call to the servlet
(!--posmessage--)	Composed with : forumsub.tile
(!--addforum--)	Composed with : addforum.tile

Tile	Tag	Description
ForumSub.tile		Displays groups and forums list
	(!--group--)	Displays line with group name
	(!--delgroup--) (!--delgroupend--)	Link to delete a group
	(!--forums--)	Composed with forums.tile
	(!--forumid--)	Forum identifiant number
addforum.tile		Adding forum form
	(!--posselect--)	List of forum in option tag (don't remove it)
forums.tile		Displays forums list
	(!--forumname--)	Title of a forum
	(!--forumid--)	Forum identifiant number
	(!--posted--)	Date of creation
	(!--hits--)	Number of messages for this forum
	(!--creator--)	Name of creator
	(!--modified--)	Date of last modification
	(!--delforum--) (!--delforumend--)	Link to delete a forum
navigationbar.tile		Navigation bar among the forum
	(!--com1--) (!--com2--) (!--com3--)	Comments used to hide some parts of the bar
	(!--groups--)	Name of the current group
	(!--threads--)	Name of the current forum
	(!--messages--)	Name of the current thread

7.7 Content pages: Threads

7.7.1 HTTP call: forum.PHForumThread

Syntax of HTTP call
http://forum_server/servlet/infolet.InfoServlet?page=forum.PHForumThread&forum=forum_ID[&do main=domain_name]
ex: http://forum_server/servlet/infolet.InfoServlet?page=forum.PHForumThread&forum=969947789700

7.7.2 HTML structure of template: 12p_template/forum/ForumThread.html

Tag	Description
(!--posnavig--)	Composed with : navigationbar.tile
(!--posmessage--)	Composed with : thread.tile
(!--addthread--)	Composed with : addthread.tile
(!--\$!username--)	User name stored in the session
(!--\$\$webengine--)	Add the root path in a call to the servlet
(!--\$!indent_option--)	Spacing used to indent the messages.
(!--\$!preview_option--)	Size of the message content preview area.
(!--pages--)	Page listing

Tile	Tag	Description
thread.tile		
activethread.tile		Displays threads list
	(!--name--)	Name of this thread
	(!--posted--)	Date of creation
	(!--forumid--)	Forum identifiant number
	(!--threadid--)	Thread identifiant number
	(!--hits--)	Number of messages for this thread
	(!--creator--)	Name of creator
	(!--modified--)	Date of last modification
	(!--htmltext--)	Content message of this thread
	(!--delthread--) (!--delthreadend--)	Link to delete a thread
	(!--editthread--) (!--editthreadend--)	Link to edit a thread
addthread.tile		Adding thread form
	(!--posuser--)	Username (don't remove it)
	(!--postable--)	Id of current table (don't remove it)
	(!--currentpage--)	Id of current page (don't remove it)
activethread.tile		Displays threads list
	(!--messages--)	Composed with : messagelist.tile
editthread.tile		Thread edition form
	(!--possender--)	Sender of message to edit
	(!--postitle--)	Title of message to edit
	(!--poseditcomment--)	Content of message to edit
	(!--posthread--)	
	(!--posforum--)	
	(!--posid--)	
messagelist.tile		
	(!--level--)	Spacing for the current message

Tile	Tag	Description
	(!--forumid--)	Forum identification number
	(!--threadid--)	Thread identification number
	(!--messageid--)	Message identification number
	(!--messagetitle--)	Title of the message
	(!--sender--)	Sender
	(!--posted--)	Date of creation
	(!--replies--)	Replies for the current message

7.8 Content pages: Messages

7.8.1 HTTP call: forum.PHForumMess

Syntax of HTTP call

http://forum_server/servlet/infolet.InfoServlet?page=forum.PHForumMess&thread=thread_ID&forum=forum_ID&domain=domain_name

ex:

http://forum_server/servlet/infolet.InfoServlet?page=forum.PHForumMess&thread=96994782145001&forum=969947779430

7.8.2 HTML structure of template: 12p_template/forum/ForumMess.html

Tag	Description
(!--posnavig--)	composed with : navigationbar.tile
(!--posmessage--)	composed with : activemess.tile activethread.tile messages.tile threads.tile
(!--startmessage--)	composed with : startdmessage.tile

Tile	Tag	Description
messages.tile activemess.tile		Displays unselected messages list
	(!--level--)	option tag to pull right the messages
	(!--messagetitle--)	title of this message
	(!--posted--)	date of creation
	(!--sender--)	name of sender
	(!--modified--)	date of last modification
	(!--replies--)	Replies for the current message
	(!--messageid--)	Message identification number

Tile	Tag	Description
	(!--htmltext--)	content message of this message
	(!--dellink--) (!--enddellink--)	Link to delete a message
	(!--replink--) (!--endreplink--)	Link to reply to this message
	(!--editlink--) (!--endeditlink--)	Link to edit a message
	(!--moderatelink--) (!--endmoderatelink--)	Link to validate to this message
activemess.tile		Displays a selected message
	(!--addressage--)	Composed with : addressage.tile
addressage.tile		Adding message form
	(!--posresender--)	
	(!--posthread--)	
	(!--posforum--)	
	(!--posid--)	
	(!--posretitle--)	
	(!--posuser--)	
startmessage.tile		Adding start message form
	(!--posuser--)	
	(!--posthread--)	
	(!--posforum--)	
editmessage.tile		Adding message edition form
	(!--possender--)	
	(!--postitle--)	
	(!--posforum--)	
	(!--posid--)	
	(!--posthread--)	
	(!--poseditmessage--)	

7.9 Search page

7.9.1 HTTP call: forum.PHSearch

Syntax of HTTP call

`http://forum_server/servlet/infolet.InfoServlet?page=forum.PHSearch`

ex: http://forum_server/servlet/infolet.InfoServlet?page=forum.PHSearch

7.9.2 HTML structure of template: 12p_template/forum/search.html

Tag	Description
(!--posResult--)	composed with : search.tile

Tile	Tag	Description
Search.tile		
	(!--posObject--)	
	(!--posString--)	
	(!--posLink--)	

/servlet/infolet.InfoServlet?page=forum.PHForumSub&domain=newtemplate

8.2 Connectors (not supported)

Forum can be accessed through HTTP APIs called connectors, available connectors are:

HTTP API	Syntax of http call
WAP page (not supported)	<p>http://forum_server/servlet/infolet.InfoServlet?page=wappack.WmlForum[&domain=domain_name]</p> <p>ex: http://forum_server/servlet/infolet.InfoServlet?page=wappack.WmlForum&domain=</p>
eLiveServer connection (not supported)	<p>http://forum_server/servlet/forum.RemoteAPIImpl?function=text&forum=forum_ID</p> <p>ex: http://forum_server/servlet/forum.RemoteAPIImpl?function=text&forum=969947919160</p>

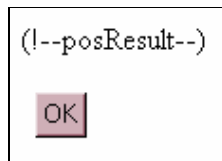
Please contact 12Planet for your custom connector.

8.3 Moderated messages listing template

A moderator can access to a page with the moderated messages list of a forum.

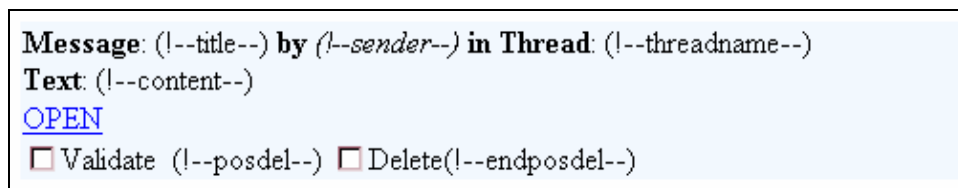
In the template

\www\12p_template\html\std\english\elivecontent\core\phvalidatemess\index.html :



The tag (!--posResult--) contains the list of messages to be moderated.

Le tile : \phvalidatemess\search.tile the template for displaying each message to be moderated:



Each message contains the following information :

(!--title--) : message title.

(!--sender--) : creator.

(!--threadname--) : thread name.

(!--content --) : message content.

the tags (!--posdel--) and (!--endposdel--) are technical tags used to hide the « delete » option display if the user does not have deletion rights.

8.4 *Advanced development*

With eLiveWeb™ framework it is possible to add:

- Multi-terminal access to the forum
- Connection with content management systems
- Create fully personalized look and feel
- Create advanced dynamic websites

For advanced information please contact 12Planet and read (if provided with your software edition):

- EliveWeb™ Developer Guide
- EliveCommunity™ Developer Guide
- EliveContent™ Developer Guide