# Optimizing the configuration

For a simple installation of Portofino the basic configuration is sufficient, but to enable certain advanced features or to better tune the application to your needs we encourage you to use the settings described below.   
  
Remember to restart the application server after you have changed the configuration file.

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**Changing the application name**

The default name of an application is "My Application". To change it, add the following line to the configuration file:  
  
model.application.name=Your Application Name

**Enabling connection pooling**

The basic configuration instructs Portofino to create a connection to the database every time a page is requested. This approach works but has poor performance and should be avoided especially in production environments. A better approach is to ask the application server to create and manage a pool of database connections and then configure Portofino to use it.   
  
Create the connection pool following the instructions of your application server. You can give the pool any name (e.g., "portofinodb") and use the same jdbc parameters (driver class, connection url, etc) you have used in the initial configuration. Then change the database settings to the following two lines:  
  
database.configurationType=jndi   
database.jndi.name=jdbc/portofinodb

**Enabling version tracking**

Portofino can record every change you make to the model in a log file. This file can later be used to recreate your application on another database. It works almost like a database dump, except changes are recorded incrementally, rather than as snapshots. Portofino can put this file unsed version tracking.   
  
To enable these feature, create a working directory (e.g., /some/working/directory) and a module directory inside it (e.g., /some/working/directory/mymodule). Then add the following properties to your configuration file:  
  
versioning.cvs.workingDirectory=/some/working/directory   
model.cvs.module=mymodule   
  
If you plan to use versioning it is very important that you do so from the very beginning of the project, or versining will not be able to function properly.   
  
Also make sure that the user that runs the application server can read and write the directories you have provided.

**Enabling blobs**

If you plan to use blobs in your application, you have to enable the version tracking (see the previous section).  The blobs will be created in the directory <versioning.cvs.workingDirectory>/<model.cvs.module>/blob/.

**Enabling email notifications**

Using Portofino, you can configure your application to send email notifications when certain workflow actions are performed. To enable this feature you must provide the address of a valid SMTP server and an email address that will appear as the sender of the notifications.  
  
mail.smtp=smtp.example.com   
model.workflow.notifications.sender=workflow@example.com 

# 运行两个实例

**Running multiple instances**

In the basic configuration we suggested writing the configuration file to CATALINA\_HOME/common/classes. This location is convenient because, keeping the configuration file separate from the installation, it is easier to upgrade Potofino.   
  
However, CATALINA\_HOME/common/classes is visibile to all applications running within the application server. Now, if you have two instances of Portofino running on the same application server (of course under different contexts, e.g., "/app1" and "/app2"), both instances would see the same portofino-custom.properties file and both would use exactly the same configurations. This is clearly not desirable.   
  
To run multiple instances of Portofino correctly, you must provide each instance with its own portofino-custom.properties file. The correct location is  
  
APPLICATION\_HOME/WEB-INF/classes  
  
where APPLICATION\_HOME is the deployment directory of the instance.

**Caution during upgrades**

When you store the configuration file as described above, make sure you back it up before upgrading Portofino, as the upgrade process may delete or overwrite the file.

**Further readings**

For more information, see the tutorial on [Deploying multiple Portofino instances from a single war](http://www.manydesigns.com/en/portofino/portofino3/tutorials/deploying-multiple-instances-from-a-single-war).

**Changing the language**

The default language of the user interface is English. To change it, change the value of the model.locale.language propety. Possible values are "en" for English and "it" for Italian.  
  
model.locale.language=en 

**Enabling user management**

Two properties affect user management. The first property, model.users.enabled, which is false by default, tells Portofino to handle user login and logout.   
  
The second property, model.users.anonymous.enabled, which is true by default, tells Portofino whether anonymous users can access the application. If set to false, Portofino redirects anonymous users to the login page.   
  
To enable user management with mandatory login, add the following lines to your configuration file:   
  
model.users.enabled=true   
model.users.anonymous.enabled=false   
  
User management relies on certain classes and relationships (User, UserGrp and User\_UserGrp) to be present in your model. If they are not present, the system will turn user management off even if model.users.enabled is set to true. 

**Enabling user management for the 'upstairs' environment**

Similarly to the application, the "upstairs" environment can also be protected with user management. To do so, add the following two lines to your configuration file:  
  
meta.users.enabled=true   
meta.users.anonymous.enabled=false 

**Disabling the installation mode**

By default Portofino can install itself on an empty database or upgrade a database creating with a previous version. If you want to disable this feature add the following property:  
  
installation.enabled=false   
  
This is recommended for all production systems.  
If, at a later stage, you will want to upgrade your database to a new version of Portofino, you'll have to set the property to true.