Installing and configuring jGossip forum engine.

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List of supported software

DataBase

MySQL database server version 4.+
Oracle 9i
MS SQL 2000

Application server

jGossip working with any servlet 2.3 and jsp 1.2 compliant application server

Tested servers:

Apache with Tomcat 4.1
Tomcat 4.1 standalone
Tomcat 5.0 standalone
Tomcat 5.5 standalone
JBoss 3.x (with Tomcat)
JBoss 3.x (with jetty)
Apache with JBoss 4.x (with Tomcat)
Jetty 4.2
SunOne 7.0
Sun Java System Application Server Platform Edition 8.1

Database related issues

MySQL

Copy scripts 'database/mysql/create_database.sql', 'database/mysql/install.sql','database/mysql/initload.sql' into $MYSQL_HOME/bin directory
Run MySQL shell with root user rights: c:\mysql\bin> mysql -u root
Create jGossip database and user for it by this command: .\ create_database.sql
Switch to created database : use forum_db;
And execute scripts to create contents of jGossip's database:

1. \. install.sql

2. \. initload.sql

Oracle 9i

We assuming you have a basic knowledge of Oracle DB and it's administration

Scripts for Oracle placed in database/oracle/ Run this commands in order to create database, allocate tablespace and create database schema for jGossip forums - in command line on a host, where Oracle server instance is running:

sqlplus /nolog
connect /as sysdba
get create_database.sql
run

Run rest of scripts in a sqlplus or Toad, it is up to you.

1. install.sql - Creates a database tables for Jgossip forums

2. indexes.sql - Creates an indexes for tables to improve performance

3. install_seq.sql - *OPTIONAL* Install Oracle sequences only if you are going to use Sequence key generator(see build options)

4. initload.sql- populates database with initial data.

After completing these two actions you should have new created database 'forum_db', filled with all necessary data. You can change database name or user name, but don't forget to reflect your changes in other config files.

M$ SQL 2000

Configuring the Database for MS SQL 2000 is a bit harder due to a EULA that forbid us to redistribute the necessary library. Two tasks are required to complete the database configuration (can be performed in any order)

• JDBC driver download

- Point your browser to the Microsoft Download site: http://www.microsoft.com/downloads/details.aspx?familyid=9f1874b6-f8e1-4bd6-947c-0fc5bf05bf71

- Download one of the following files: - setup.exe (Windows based development computer) - mssqlserver.tar (*nix based development computer) - Install/extract the package - Copy all the files that are inside the lib dir (msbase.jar, mssqlserver.jar, msutil.jar) to the database/MSSQL/lib dir of jGossip

• Database installation

From the MS SQL Query Analyzer (or any other client that let you execute scripts on the database) run the installation script in this order

1. create_database.sql

2. install.sql

3. create_storedprocedures.sql

4. initload.sql

Configuration related issues

Edit default jGossip configuration, located in file: env/default/build.properties. Or you can create your custom jGossip configuration in file env/$CONFIGURATION_NAME/build.properties. Use default file 'build.properties' as example for your configuration.

```
# path to j2ee jars
# depend from application server
j2ee.home = c:/Apache/Tomcat/common/lib
#catalina.home       The directory in which you have installed
#a binary distribution of Tomcat 4.  This will
#be used by the tomcat related target.
catalina.home=c:/Apache/Tomcat

#manager.username     The login username of a user that is assigned the
#"Tomcat manager" role (so that he or she can execute
#commands via the "/manager" web application)
manager.username=admin
#manager.password     The login password of a user that is assigned the
#"Tomcat manager" role (so that he or she can execute
#commands via the "/manager" web application)
manager.password=admin
#manager.url          The URL of the "/manager" web application on the
#Tomcat installation to which we will deploy web
#applications and web services.
manager.url=http://localhost:8080/manager

#web.root       The directory in which you will install
#static content (images,css etc.).  This will
#be used by the "deploy" target.
web.root=c:/Apache/Tomcat/webapps

#app.name               Base name of this application, used to
#construct filenames and directories. "jgossip" by default
#app.name=jgossip

#static.name name of static-content root (application)
```

```
#"${app.name}" by default
#static.name=jgossip-static

#logs.root        The directory in which forum log files will
#will be placed
logs.root=c:/Apache/Tomcat/logs

# logs.type
# c - log to console(default value)
# f - log to file
#logs.type=c

#useJNDIDatasource - true if Datasource will taken as JNDI resource
#by default create and use own Datasource
#useJNDIDatasource=false
#db.vendor is required if useJNDIDatasource=true (do not set this value if useJNDI
#supported vendors are "oracle","mysql","MSSQL"
#db.vendor=mysql
#datasourceName is required if useJNDIDatasource=true
#datasourceName=java:comp/env/jdbc/jgossip

#data base installation-specific settings (required if useJNDIDatasource=false)
## MySql DB server
db.driver=org.gjt.mm.mysql.Driver
db.url= jdbc:mysql://localhost:3306/forum_db?autoReconnect=true
## Oracle DB Server
#db.driver=oracle.jdbc.driver.OracleDriver
#db.url=jdbc:oracle:thin:@yourhost:1521:YOURDBSID
## IBM DB/2 Server
#db.driver=com.ibm.db2.jcc.DB2Driver
#db.url=jdbc:db2:YOURDB
## HSQLDB Server
#db.driver=org.hsqldb.jdbcDriver
#db.url=jdbc:hsqldb:hsql://<server>[:<1476>]
## MS SQL Server
#db.driver=com.microsoft.jdbc.sqlserver.SQLServerDriver
#db.url=jdbc:microsoft:sqlserver://<server>:<1433>;DatabaseName=forum_db
db.username=dbuser
db.password=dbpassword
#default implementation of key generator: the only possible values are - highlow o
# Highlow - high part of key is stored in database table, low part is getting as i
# Sequence - key generator specific for Oracle. Key obtained from oracle sequence.
#db.keygen.default=highlow
# Increment step for low part of highlow keygen
#db.keygen.highlow.increment=10

# charset which will send in response header
# ISO-8859-1 by default
# and setting up for request
# database must be coniqured for this charset
#charset=ISO-8859-1

#maxFileSize-The maximum size (in bytes) of a file to be accepted as a file upload
#Can be expressed as a number followed by a "K", "M", or "G" ,
#which are interpreted to mean kilobytes, megabytes, or gigabytes :), respectively
#maxFileSize=800K

# module name - name for jgossip struts module
# so forum can be accessed as
# ${app.name}/${module.name}
# default value is "jgossip"
# module.name=jgossip

#external.web.xml -  The descriptor containing the definitions
```

```
#that should be merged with the forum's descriptor.
#external.web.xml=D:/work/projects/site/conf/web.xml
```

Installing application

If you want to deploy application on local computer, so use: ant install -Ddeploy_env=$CONFIGURATION_NAME

Else if you want to create binary distribution, so use this command: ant dist -Ddeploy_env=$CONFIGURATION_NAME

During build process 'dist/$CONFIGURATION_NAME' directory will be created with files:

${app.name }.war - jGossip release (by default with static contents)
${static.name}.zip - static content for standalone HTTP server connected to servlet container
Separate file with static content will created only if you set "static.name" parameter in build.properties.

Then you can deploy war and static content from 'dist/$CONFIGURATION_NAME' folder.

```
Supported ant tasks :
 *************** General tasks:
[all]           Clean build and dist directories then compile
[clean]         Delete old build and dist directories
[compile]       Compile Java sources
[dist]          Create distribution files
[dist.app]      Create war distribution
[dist.static]   Create static content distribution files
[deploy.static] Deploy static content to web server(run from the same server)
[javadoc]       Create Javadoc API documentation
[strutsdoc]     Create Struts documentation
*************** Integrations related tasks:
[webxmlmerge]   Merge jGossip web.xml with external descriptor
*************** Tomcat related tasks:
[tomcat.deploy]       Full deploy(run from the same server that Tomcat is running
[tomcat.install]      Initial installation of application(run from the same serve
[tomcat.install.debug] Install application(w/o jsp precompilation) mapped from bui
[tomcat.deploy.app]   Deploy application with precompiled jsp(run from the same s
[tomcat.translate_jsp] Translate JSP to java and generate web.xml fragment(run fro
[tomcat.compile]      Translate JSP to java (with update of web.xml) and compile
[tomcat.list]         List installed applications on servlet container
[tomcat.remove]       Remove jGossip application on servlet container
[tomcat.reload]       Reload jGossip application on servlet container
```

Completing installation.

Restart Tomcat.
Forum must be accessed by url "your.domain.address/${app.name}/${module.name}".
By default app.name=jgossip,module.name=jgossip.
You can log in as "Administrator" with "password" as password.
Configure SMTP settings for email notifications on Constants page.

jGossip integration in existing application

You can deploy jGossip as struts module in existing struts based application.

1. Edit build.properties- set app.name same as name of existing application.

2. Use ant compile (or ant tomcat.compile).

3. Then merge web.xml of existing application with build/WEB-INF/web.xml manually or by 'ant webxmlmerge'.

4. Deploy forum whith existing application.

Log in as "Administrator" with "password" as password. You can configure external sign-on on Constants page. You must store in session user bean,which implement org.jresearch.gossip.singlesign.IUser interface , with name org.jresearch.gossip.IConst.SESSION.EXT_USER_KEY='JGOSSIP_EXT_USER' or use JAAS .(JAAS role name ,which have access to forum can be configured manually in web.xml file)

MH Mailing List Archive Conversion

This class will read a directory of MH mail messages, and insert those messages into a jGossip forum. The messages will be sorted as best as possible based on the Subjects.

The resulting SQL for MySQL is output to stdout. This can be processed using the mysql command line client by passing the SQL into mysql's stdin.

org.jresearch.gossip.contrib.util.MList2Gossip [options...] --archive path [--archive path]...

Options:

• archive path Path to a directory of MH mail messages to insert into a forum. You can specify any number of archive options to process.

• forum id Id number of forum into which the messages will be inserted.

• sender name Name of sender of inserted messages.

• ipaddr id IP address of inserted messages.

• msgid id Starting id for inserted messages.

• threadid id Starting id for inserted threads.

• debug Turn on debugging.

• verbose Turn on verbosity.