

CMS in general, Daisy in particular:14

1

Setting up Daisy

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Installed Daisy CMS 1.3 RC
- See http://cocoondev.org/daisy/index.html
- See http://cocoondev.org/daisydocs-1\_3/13.html (Installation)
- See
http://people.apache.org/~jefft/forrest/samples/wikirenderer-site/wiki/combined.html
(VERY GOOD administration tips)

cd /usr/local/src
tar -zxpf ../download/java/daisy/daisy-1.3-RC-src.tar.gz
cd /usr/local/src/daisy-1.3-RC-src

# Requires JDK 1.4.2 or JDK 1.5
# Requires JAI (Java Advanced Imaging)
# Requires MySQL 4.0.20 (at least) or 4.1.7
# Requires Java Service Wrapper 3.1.2

mysql -uroot -p<PASSWORD>
mysql> CREATE DATABASE daisyrepository; mysql> GRANT ALL ON daisyrepository.* TO
daisy@"%" IDENTIFIED BY "daisy";
mysql> GRANT ALL ON daisyrepository.* TO daisy@localhost IDENTIFIED BY "daisy";
mysql> CREATE DATABASE openjms;
mysql> GRANT ALL ON openjms.* TO openjms@"%" IDENTIFIED BY "openjms";
mysql> GRANT ALL ON openjms.* TO openjms@localhost IDENTIFIED BY "openjms";
mysql> quit

cd /usr/local
tar -zxpf download/java/daisy/daisy-1.3-RC.tar.gz
ln -s daisy-1.3-RC daisy

export JAVA_HOME=/usr/local/jdk
export PATH=$PATH:/usr/local/jdk/bin
export DAISY_HOME=/usr/local/daisy
export DAISY_DATA=/home/daisy_data
export OPENJMS_HOME=$DAISY_HOME/openjms
export WRAPPER_HOME=/usr/local/wrapper
# Configure OpenJMS
cd $DAISY_HOME/install
./daisy-openjms-config
# Database URL [default = jdbc:mysql://localhost/openjms]
# Database user [default = openjms]
# Database password [default = openjms]
# Update the openjms.xml file with the database parameters
# Update the cocoon.xconf of the Daisy Wiki with the OpenJMS password

# Create OpenJMS database tables
cd $OPENJMS_HOME/bin
./dbtool.sh -create -config $OPENJMS_HOME/config/openjms.xml
-Dlog4j.configuration=$DAISY_HOME/misc/openjms-log4j.properties

# Start OpenJMS
./startup.sh &
# ./admin.sh # user = admin, password = freciate
# ./shutdown.sh -u admin -p freciate
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1. daisy:142 (CMS in general, Daisy in particular:15)

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# Configure Daisy Repository Server
mkdir -p $DAISY_DATA

cd $DAISY_HOME/install
./daisy-repository-init
# Database URL [default = jdbc:mysql://localhost/daisyrepository]
# Database user [default = daisy]
# Database password [default = daisy]
# Enter username [default = testuser] : andyg
# Enter password [default = testuser] : <PASSWORD>
# Enter SMTP server [ default = undefined ] : localhost
# Enter "from address" for e-mails : daisy@robin.geekscape.org
# Enter the path of the data directory to create: $DAISY_DATA
# Update the Daisy Wiki's cocoon.xconf

# Start Daisy Repository Server
cd $DAISY_HOME/repository-server/bin
./daisy-repository-server $DAISY_DATA &
# firefox http://localhost:9264 # JMX Management Console: MX4J/Http Adaptor

# Initialize Daisy Wiki
cd $DAISY_HOME/install
./daisy-wiki-init
# Daisy Repository Server port [default = http://localhost:9263]
# Enter login (user) and password for Daisy
# (this should be a user with the Administrator role):
# Enter login: andyg
# Enter password: <PASSWORD>

# Create Daisy Wiki site
cd $DAISY_HOME/install
./daisy-wiki-add-site
# Daisy Repository Server port [default = http://localhost:9263]
# Enter login (user) and password for Daisy
# (this should be a user with the Administrator role):
# Enter login: andyg
# Enter password: <PASSWORD>
# Enter a name for the site (without spaces): geekscape
# Enter the language [default: default]
# Sites directory location [default = /usr/local/daisy/daisywiki/webapp/daisy/sites
]:

# Start Daisy Wiki
cd $DAISY_HOME/daisywiki/bin
./daisy-wiki &

firefox http://localhost:8888/daisy/

# Start Daisy
# -----
export JAVA_HOME=/usr/local/jdk
export PATH=$PATH:/usr/local/jdk/bin
export DAISY_HOME=/usr/local/daisy
export DAISY_DATA=/home/daisy_data
export OPENJMS_HOME=$DAISY_HOME/openjms
export WRAPPER_HOME=/usr/local/wrapper

cd $DAISY_HOME
$OPENJMS_HOME/bin/startup.sh &
cd $DAISY_HOME/repository-server/bin
./daisy-repository-server $DAISY_DATA &
cd $DAISY_HOME/daisywiki/bin
./daisy-wiki &

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firefox http://localhost:8888/daisy/

# Shutdown Daisy
# -----
ps -ef | grep java          # /sbin/pidof java
kill <pid of daisywiki>    # /usr/local/jdk/bin/java -Xmx128m
-Djava.endorsed.dirs=/usr/local/daisy/daisywiki....
kill <pid of daisy repository> #
-Djava.security.policy=/usr/local/daisy/repository-server....
$OPENJMS_HOME/bin/shutdown.sh -u admin -p freciete
rm openjms.log
service mysql restart

# Set-up /etc/rc.d/init.d/daisy
# -----
cd $DAISY_HOME/bin
cp $WRAPPER_HOME/src/bin/sh.script.in    daisy_openjms.sh
cp $WRAPPER_HOME/src/conf/wrapper.conf.in daisy_openjms.conf
cp $WRAPPER_HOME/src/bin/sh.script.in    daisy_repository.sh
cp $WRAPPER_HOME/src/conf/wrapper.conf.in daisy_repository.conf
cp $WRAPPER_HOME/src/bin/sh.script.in    daisy_wiki.sh
cp $WRAPPER_HOME/src/conf/wrapper.conf.in daisy_wiki.conf

mkdir -p $DAISY_HOME/logs

vi daisy_openjms.sh
APP_NAME="daisy_openjms"
APP_LONG_NAME="Daisy OpenJMS Server"
WRAPPER_CMD="$WRAPPER_HOME/bin/wrapper"
WRAPPER_CONF="./daisy_openjms.conf"
PIDDIR="./logs/"
RUN_AS_USER=daisy
vi daisy_openjms.conf
wrapper.java.command=%JAVA_HOME%/bin/java
wrapper.java.classpath.1=%WRAPPER_HOME%/lib/wrapper.jar
wrapper.java.classpath.2=%DAISY_HOME%/lib/mysql/jars/mysql-connector-java-3.0.15-ga-bin.jar
wrapper.java.classpath.3=%OPENJMS_HOME%/lib/openjms-0.7.6.1.jar
wrapper.java.library.path.1=%WRAPPER_HOME%/lib
wrapper.java.additional.1=-Dopenjms.home=%OPENJMS_HOME%
wrapper.java.additional.2=-Djava.security.manager
wrapper.java.additional.3=-Djava.security.policy=%OPENJMS_HOME%/config/openjms.policy
wrapper.app.parameter.1=org.exolab.jms.server.JmsServer
wrapper logfile=./logs/daisy_openjms.log
vi daisy_repository.sh
export DAISY_HOME=/usr/local/daisy
export DAISY_DATADIR=/home/daisy_data
export MERLIN_HOME=$DAISY_HOME/repository-server/merlin
APP_NAME="daisy_repository"
APP_LONG_NAME="Daisy Repository Server"
WRAPPER_CMD="$WRAPPER_HOME/bin/wrapper"
WRAPPER_CONF="./daisy_repository.conf"
PIDDIR="./logs/"
RUN_AS_USER=daisy
vi daisy_repository.conf
wrapper.java.command=%JAVA_HOME%/bin/java
wrapper.java.classpath.1=%WRAPPER_HOME%/lib/wrapper.jar
wrapper.java.classpath.2=%DAISY_HOME%/repository-server/merlin/system/merlin/jars/merlin-cli-3.3.0.jar
wrapper.java.library.path.1=%WRAPPER_HOME%/lib
wrapper.java.additional.1=-Dmerlin.deployment.timeout=0
wrapper.java.additional.2=-Dmerlin.logging.config=%DAISY_DATADIR%/conf/logkit.xml
wrapper.java.additional.3=-Dfile.encoding=UTF-8
wrapper.app.parameter.1=org.apache.avalon.merlin.cli.Main

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wrapper.app.parameter.2=-offline
wrapper.app.parameter.3=-home
wrapper.app.parameter.4=%DAISY_DATADIR%
wrapper.app.parameter.5=-repository
wrapper.app.parameter.6=%DAISY_HOME%/lib
wrapper.app.parameter.7=-config
wrapper.app.parameter.8=%DAISY_DATADIR%/conf/myconfig.xml
wrapper.app.parameter.9=%DAISY_HOME%/repository-server/conf/block.xml
wrapper.logfile=../logs/daisy_repository.log
vi daisy_wiki.sh
export DAISY_HOME=/usr/local/daisy
export JETTY_HOME=${DAISY_HOME}/daisywiki/jetty
APP_NAME="daisy_wiki"
APP_LONG_NAME="Daisy Wiki (Cocoon)"
WRAPPER_CMD="$WRAPPER_HOME/bin/wrapper"
WRAPPER_CONF="./daisy_wiki.conf"
PIDDIR="../logs/"
RUN_AS_USER=daisy
vi daisy_wiki.conf
wrapper.java.command=%JAVA_HOME%/bin/java
wrapper.java.classpath.1=%WRAPPER_HOME%/lib/wrapper.jar
wrapper.java.classpath.2=%JETTY_HOME%/ext/ant.jar
wrapper.java.classpath.3=%JETTY_HOME%/ext/jasper-compiler.jar
wrapper.java.classpath.4=%JETTY_HOME%/ext/jasper-runtime.jar
wrapper.java.classpath.5=%JETTY_HOME%/ext/jcert.jar
wrapper.java.classpath.6=%JETTY_HOME%/ext/jmxri.jar
wrapper.java.classpath.7=%JETTY_HOME%/ext/jmxtools.jar
wrapper.java.classpath.8=%JETTY_HOME%/ext/jnet.jar
wrapper.java.classpath.9=%JETTY_HOME%/ext/jsse.jar
wrapper.java.classpath.10=%JETTY_HOME%/ext/xercesImpl.jar
wrapper.java.classpath.11=%JETTY_HOME%/ext/xml-apis.jar
wrapper.java.classpath.12=%JETTY_HOME%/lib/javax.servlet.jar
wrapper.java.classpath.13=%JETTY_HOME%/lib/org.mortbay.jetty.jar
wrapper.java.classpath.14=%JETTY_HOME%/lib/org.mortbay.jmx.jar
wrapper.java.classpath.15=%JAVA_HOME%/lib/tools.jar
wrapper.java.library.path.1=%WRAPPER_HOME%/lib
wrapper.java.additional.1=-Djetty.home=%JETTY_HOME%
wrapper.java.additional.2=-Ddaisywiki.home=%DAISY_HOME%/daisywiki
wrapper.java.additional.3=-Dfile.encoding=UTF-8
wrapper.app.parameter.1=org.mortbay.jetty.Server
wrapper.app.parameter.2=%DAISY_HOME%/daisywiki/conf/jetty-daisywiki.xml
wrapper.logfile=../logs/daisy_wiki.log

# Set-up /home/users/daisy, so that processes can run as ~daisy
cd /etc
vi passwd group shadow
mkdir -p /home/users/daisy
chown -R daisy:daisy /usr/local/daisy-1.3-RC
chown -R daisy:daisy /home/daisy_data
chown -R daisy:daisy /home/users/daisy

# Workaround for ...
# "sealing violation: can't seal package javax.naming: already loaded"
cd /usr/local/daisy/daisywiki/webapp/WEB-INF/lib
mv jndi-1.2.1.jar jndi-1.2.1.jar.NOT_REQUIRED
chmod 000 jndi-1.2.1.jar.NOT_REQUIRED

# Test out the Daisy Java Service Wrapper scripts
# -----
export JAVA_HOME=/usr/local/jdk
export PATH=$PATH:/usr/local/jdk/bin
export DAISY_HOME=/usr/local/daisy
export DAISY_DATA=/home/daisy_data

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export OPENJMS_HOME=$DAISY_HOME/openjms
export WRAPPER_HOME=/usr/local/wrapper

$DAISY_HOME/bin/daisy_openjms.sh start
$DAISY_HOME/bin/daisy_openjms.sh status
$DAISY_HOME/bin/daisy_repository.sh start
$DAISY_HOME/bin/daisy_repository.sh status
$DAISY_HOME/bin/daisy_wiki.sh start
$DAISY_HOME/bin/daisy_wiki.sh status

$DAISY_HOME/bin/daisy_wiki.sh stop
$DAISY_HOME/bin/daisy_repository.sh stop
$DAISY_HOME/bin/daisy_openjms.sh stop

vi /etc/rc.d/init.d/daisy.sh
/sbin/chkconfig --add daisy
/sbin/chkconfig --level 35 daisy on
/etc/rc.d/init.d/daisy start
/etc/rc.d/init.d/daisy status
/etc/rc.d/init.d/daisy restart
/etc/rc.d/init.d/daisy stop
# /etc/rc.d/init.d/daisy dump
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2

2. daisy:142 (CMS in general, Daisy in particular:15)