

Metacat - Bug #4588

Install parc metacat

11/30/2009 04:23 PM - Michael Daigle

Status:	Resolved	Start date:	11/30/2009
Priority:	Normal	Due date:	
Assignee:	Michael Daigle	% Done:	0%
Category:	metacat	Estimated time:	0.00 hour
Target version:	1.9.2	Spent time:	0.00 hour
Bugzilla-Id:	4588		

Description

installed PARC metacat on data.palmyraresearch.org. Here are the steps I took:

```
mkdir /var/parc
```

```
chown webuser:webuser /var/parc
```

```
sudo su - postgres
```

```
createdb parc
```

```
psql parc
```

```
CREATE USER parc WITH UNENCRYPTED PASSWORD '<password>';
```

```
(note <password> is same as esa)
```

```
cp /etc/http/conf/http.conf to http.conf.20091130
```

```
vi /etc/http/conf/http.conf and added following section (note different IP than esa):
```

```
<VirtualHost 128.111.242.17:80>
```

```
DocumentRoot /var/www/org.palmyraresearch.data/catalog/style/skins/parc
```

```
ServerName data.palmyraresearch.org
```

```
ErrorLog /var/log/httpd/error_log
```

```
CustomLog /var/log/httpd/access_log common
```

```
ScriptAlias /catalog
```

```
/cgi-bin/ "/var/www/org.palmyraresearch.data/catalog/cgi-bin/"
```

```
<Directory "/var/www/org.palmyraresearch.data/catalog/cgi-bin/">
```

```
AllowOverride None
```

```
Options ExecCGI
```

```
Order allow,deny
```

```
Allow from all
```

```
</Directory>
```

```
<Directory "/var/www/org.palmyraresearch.data/catalog/style/skins/parc">
```

```
AllowOverride none
```

```
Options Indexes FollowSymLinks
```

```
IndexOptions FancyIndexing
```

```
</Directory>
```

```
<Location "/var/www/org.palmyraresearch.data/catalog/style/skins/parc/parc.cfg">
```

```
AllowOverride None
```

```
Order allow,deny
```

```
Deny from all
```

```
</Location>
```

```
JkMount /catalog ajp13
```

```
JkMount /catalog/* ajp13
```

```
JkMount /catalog/metacat ajp13
```

```
JkUnMount /catalog/cgi-bin/* ajp13
```

```
JkMount /*.jsp ajp13
```

```
JkMount /authority ajp13
```

```
JkMount /authority/* ajp13
```

```
</VirtualHost>
```

```
mkdir /var/www/org.palmyraresearch.data
```

```
chown webuser:webuser /var/www/org.palmyraresearch.data
```

```
scp knb.war from build machine to data.palmyraresearch.org:/tmp
mv /tmp/knb.war /var/www/org.palmyraresearch.org/catalog.war
chown webuser:webuser /var/www/org.palmyraresearch.data/catalog.war
```

Edit /usr/local/devtools/jakarta-tomcat/conf/server.conf and added following lines:

```
<Host name="data.palmyraresearch.org" debug="0" appBase="/var/www/org.palmyraresearch.data"
unpackWARs="true" autoDeploy="true"
xmlValidation="false" xmlNamespaceAware="false">
<Logger className="org.apache.catalina.logger.FileLogger"
directory="/var/log/tomcat" prefix="data_parcelog." suffix=".log"
timestamp="true"/>
</Host>
```

```
/etc/init.d/http stop
/etc/init.d/tomcat stop
/etc/init.d/tomcat start
/etc/init.d/http start
```

```
chmod +x /var/www/org.palmyraresearch.data/catalog/cgi-bin/*
```

go to data.palmyraresearch.org/catalog and step through config utility

```
-- added appropriate administrators
-- set /var/parc as the root dir for all data, temp etc directories
-- configured db credentials
-- made parc skin default.
```

History

#1 - 11/30/2009 04:24 PM - Michael Daigle

Installation complete

#2 - 12/02/2009 09:32 AM - Michael Daigle

Added the following section to /etc/http/conf.d/ssl.conf to enable ssl. Note that the cert was already purchased and installed by Nick.

```
<VirtualHost 128.111.242.17:443>
DocumentRoot /var/www/org.palmyraresearch.data/catalog/style/skins/parc
ServerName data.palmyraresearch.org
ErrorLog /var/log/httpd/error_log
CustomLog /var/log/httpd/access_log common
```

```
ScriptAlias /catalog/cgi-bin/ "/var/www/org.palmyraresearch.data/catalog/cgi-bin/"
    &lt;Directory "/var/www/org.palmyraresearch.data/catalog/cgi-bin/"&gt;
        AllowOverride None
        Options ExecCGI
        Order allow,deny
        Allow from all
    &lt;/Directory&gt;
    &lt;Directory "/var/www/org.palmyraresearch.data/catalog/style/skins/parc"&gt;
        AllowOverride none
        Options Indexes FollowSymLinks
        IndexOptions FancyIndexing
    &lt;/Directory&gt;
```

```
&lt;Location "/var/www/org.palmyraresearch.data/catalog/style/skins/parc/parc.cfg"&gt;
    AllowOverride None
    Order allow,deny
    Deny from all
&lt;/Location&gt;
```

1. Use separate log files for the SSL virtual host; note that LogLevel
2. is not inherited from httpd.conf.
ErrorLog logs/ssl_error_log
TransferLog logs/ssl_access_log
LogLevel warn

1. SSL Engine Switch:
2. Enable/Disable SSL for this virtual host.
SSLEngine on

```
JkMount /catalog ajp13
```

```
JkMount /catalog/* ajp13
JkMount /catalog/metacat ajp13
JkUnMount /catalog/cgi-bin/* ajp13
JkMount /*.jsp ajp13
JkMount /authority ajp13
JkMount /authority/* ajp13
```

1. SSL Cipher Suite:

```
SSLCipherSuite ALL:!ADH:!EXPORT56:RC4+RSA:+HIGH:+MEDIUM:+LOW:+SSLv2:+EXP
```

1. Server Certificate:

```
SSLCertificateFile /etc/httpd/conf/ssl.crt/data.palmyraresearch.org.crt
```

1. Server Private Key:

```
SSLCertificateKeyFile /etc/httpd/conf/ssl.key/data_palmyraresearch_org.key
```

1. Server Certificate Chain:

```
SSLCertificateChainFile /etc/httpd/conf/ssl.crt/gd_intermediate_bundle.crt
```

1. SSL Engine Options:

```
<Files ~ "\.(cgi|sh|html|php|php3?)$" >
SSLOptions +StdEnvVars
</Files>
<Directory "/var/www/cgi-bin">
SSLOptions +StdEnvVars
</Directory>
```

1. SSL Protocol Adjustments:

```
SetEnvIf User-Agent ".*MSIE.*" \
nokeepalive ssl-unclean-shutdown \
downgrade-1.0 force-response-1.0
```

1. Per-Server Logging:

```
CustomLog logs/ssl_request_log \
"%t %h %{SSL_PROTOCOL}x %{SSL_CIPHER}x \"%r\" %b"
```

</VirtualHost>

#3 - 12/02/2009 10:38 AM - Michael Daigle

in metacat.properties, changed auth.moderators since these get added by the registry to doc access:

```
cn=parc-moderators,o=PARC,dc=ecoinformatics,dc=org
```

#4 - 12/02/2009 11:02 AM - Michael Daigle

requested this account be created in parc ldap by Peter Ersts.

```
cn=parc-moderators,o=PARC,dc=ecoinformatics,dc=org
```

#5 - 12/02/2009 01:29 PM - Michael Daigle

For one way replication from parc to knb, ran the following sql:

on data.palmyraresearch.org:

```
insert into xml_replication (server, replicate, datareplicate, hub)
values ('knb.ecoinformatics.org/knb/servlet/replication',1,1,0);
```

on knb.ecoinformatics.org:

```
insert into xml_replication (server, replicate, datareplicate, hub)
values ('data.palmyraresearch.org/catalog/servlet/replication',1,1,0);
```

#6 - 12/02/2009 02:01 PM - Michael Daigle

Correction, replication row in knb is:

```
insert into xml_replication (server, replicate, datareplicate, hub)
values ('data.palmyraresearch.org/catalog/servlet/replication',0,0,0);
```

#7 - 03/27/2013 02:27 PM - Redmine Admin

Original Bugzilla ID was 4588