

Search with Lucidworks Fusion

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Install

Untar

It appears that Fusion expects you to install in a specific directory structure. When I have time, I'll explore this more to see if my understanding is correct. For now use the structure,

```
/opt/lucidworks/fusion/3.1.2
```

Untar using your serveradmin account,

```
su - serveradmin
cd ~
mkdir lucidworks
tar -xvpf fusion-3.1.2.tar.gz

mv ./fusion/ ./lucidworks/
exit # exit back to your root enabled staff account.
```

Finally using your root enabled account,

```
sudo mv /home/serveradmin/lucidwork/ /opt/
```

Zero Footprint Java

Modify **Java_Home** injecting in lines after finding the match,

TRY 1

```
wget
http://www.bonsaiframework.com/tscripts/lucidworks-fusion/fusion_java_home
.txt
sed '/function check_java() {/r fusion_java_home.txt'
/opt/lucidworks/fusion/3.1.2/bin/common.sh >
/opt/lucidworks/fusion/3.1.2/bin/common.sh
```

TRY 2

```
sed '/function check_java()/c\
function check_java()\
\
# Bonsaiframework - Modification Start\
# -----\
JRE_HOME="$FUSION_HOME"/java\
JAVA_HOME="$FUSION_HOME"/java\
# -----\
# Bonsaiframework - Modification End\
' /opt/lucidworks/fusion/3.1.2/bin/common.sh
```

You common.sh file will have the following inserted,

```
function check_java() {

# Bonsaiframework - Modification Start
# -----
JRE_HOME="$FUSION_HOME"/java
JAVA_HOME="$FUSION_HOME"/java
# -----
# Bonsaiframework - Modification End

if [ -z "$JAVA_HOME" ]; then
```

Startup

Your [home directory](#) is considered, /opt/lucidworks/3.1.2 and I'm assuming you want to start from this directory to run properly.

Startup instructions seem to imply that you need to do it from a specific directory. When I have time, I'll try starting from the actual **bin/fusion** directory to see if the symlinks are properly generated.

```
cd /opt/lucidworks/fusion/3.1.2
./bin/fusion start
```

After first start, you'll see **newly created symbolic link directories** created (bin, conf, latest, var),

```

cd /opt/lucidworks/fusion/
/opt/lucidworks/fusion$ ls -al
total 12
drwxr-xr-x  3 serveradmin serveradmin 4096 Nov 11 08:56 .
drwxrwxr-x  3 serveradmin serveradmin 4096 Nov 10 21:58 ..
drwxr-xr-x 11 serveradmin serveradmin 4096 Nov 11 08:53 3.1.2
lrwxrwxrwx  1 serveradmin serveradmin   10 Nov 11 08:56 bin -> latest/bin
lrwxrwxrwx  1 serveradmin serveradmin   11 Nov 11 08:56 conf -> latest/conf
lrwxrwxrwx  1 serveradmin serveradmin    5 Nov 11 08:56 latest -> 3.1.2
lrwxrwxrwx  1 serveradmin serveradmin   10 Nov 11 08:56 var -> latest/var

```

UI's

URL	Function	Comment
http://ubuntu.local:8764	Fusion UI	This is the Admin interface and also includes Tincludes the Fusion Authorization Proxy to allow JSON calls provided you have authenticated.
http://ubuntu.local:8983/solr/	Solr UI	Not sure if we should access it directly given Lucidworks has an interface.

UI Fusion Configuration

Wizard Steps

Next Steps

Index Workbench

Use the Index Workbench to control how Fusion transforms and enriches your data during import, parsing, and indexing.

Query Workbench

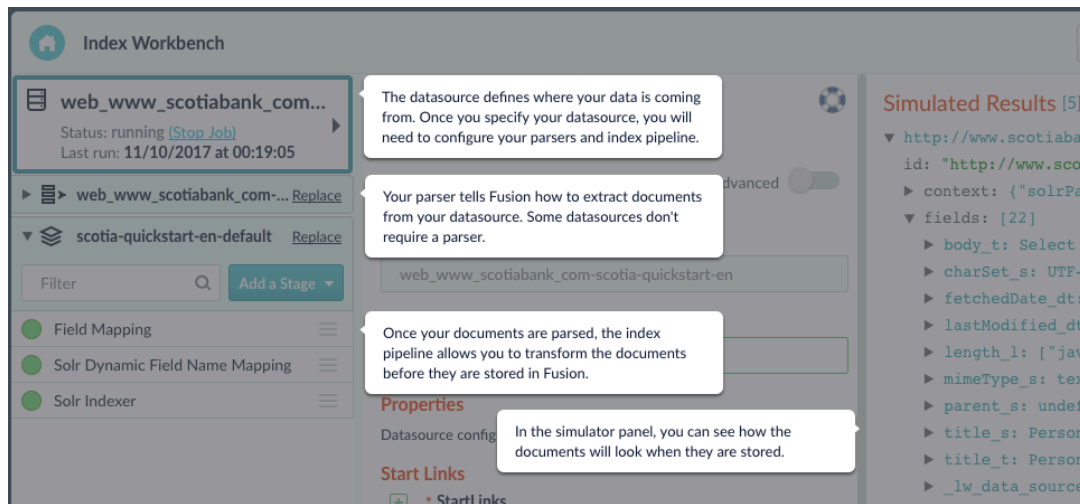
Use the Query Workbench to add search features such as facets, signals, and more.

Develop Search Application

Develop your search application using [Fusion's REST API](#).

Index Workbench

After running the wizard it prompts you to go to the Index Workbench



Configure

`solrconfig.xml` is a key file. Examples are located in,

```
opt/lucidworks/3.1.2/apps/solr-dist/server/solr/configsets
```

Defaults have been found here,

```
/opt/lucidworks/3.1.2/apps/solr-dist/server/solr/configsets/basic_configs/
conf/solrconfig.xml
/opt/lucidworks/3.1.2/apps/solr-dist/server/solr/configsets/data_driven_sc
hema_configs/conf/solrconfig.xml
/opt/lucidworks/3.1.2/apps/solr-dist/server/solr/configsets/sample_techpro
ducts_configs/conf/solrconfig.xml
/opt/lucidworks/3.1.2/data/solr/configsets/basic_configs/conf/solrconfig.x
ml
/opt/lucidworks/3.1.2/data/solr/configsets/data_driven_schema_configs/conf
/solrconfig.xml
/opt/lucidworks/3.1.2/data/solr/configsets/sample_techproducts_configs/con
f/solrconfig.xml
```

Integration

Your application uses [Fusion's REST API](#) to interact with the Fusion system.

Notes

Solr 6.5.1 is the version bundled with Lucidworks 3.1.2