



ESSArch Tools Producer documentation

version 0.9.9

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Getting started with ESSArch Tools for Producer

ESSArch Tools Producer (ETP)

SIP packaging and delivery tools for user producer.

Release notes 0.9.9

Summary: Version 0.9.9 of the ESSArch Tools Producer

New feature

Fixed errors

Release notes 1.0

Summary: Version 1.0 of the ESSArch Tools Producer

New feature

Fixed errors

Prerequisites

Summary: This package requires that you have installed ESSArch
Core package

Prepare Environment

Summary: Prepare Environment

Customize user environment for arch user

Add the following rows to /home/arch/.bash_profile after “ESSArch Core” section:

```
### ETP start
##
export ETP=/ESSArch/pd/python/lib/python2.7/site-packages/ESSArch_TP
export PYTHONPATH=$ETP:$PYTHONPATH
##
### ETP end
```


Install ESSArch Tools for Producer

ETP installation script

Please download the latest installation package from [GitHub](#)

(https://github.com/ESSolutions/ESSArch_Tools_Producer/releases/latest)

Change to user "arch" with the following command.

```
# su - arch
```

Extract and install the downloaded package.

```
[arch@server ~]$ tar xvf ESSArch_TP_installer-x.x.x.tar.gz
```

```
[arch@server ~]$ cd ESSArch_TP_installer-x.x.x
```

```
[arch@server ~]$ ./install
```

The installation of ESSArch is now running and dependent on hardware configuration, the installation may take some time. To see details of the installation progress please start a new terminal window and run the following command.

```
[arch@server ~]$ tail -f /ESSArch/install_etp.log
```

When installation is finished, search in the log file /ESSArch/install_etp.log for any unexpected errors indicating failure of installation of any modules.

Configuring

Apache httpd configuration

Edit file `/ESSArch/config/httpd-etp.conf` and change the configuration entry for "ServerName" to same as the hostname of the ESSArch server.

Add the line `"Include /ESSArch/config/httpd-etp.conf"` in the file `/ESSArch/config/httpd.conf`

For test purpose you can use the existing configuration for SSL certificate, but for production environment and for maximum security we recommend generating your own SSL certificate or if you have your own SSL trusted certificate install them in the apache httpd configuration.

ETP configuration

Path `/ESSArch/config` contains the configuration files for ESSArch. To change the configuration of the ETP, create the `/ESSArch/config/local_etp_settings.py` or update existing file.

You will also find configuration in the local database tables. To change the configuration please login as sysadmin user in ETP and select menu `MANAGEMENT > Configuration`

Database

ESSArch is designed to be RDBMS-independent.

Create default tables in database

Please run the following command as user: arch
`[arch@server ~]$ python $ETP/manage.py migrate`

Add default configuration data to database

```
Please run the following command as user: arch  
[arch@server ~]$ python $ETP/install/install_default_config_etp.py
```

Add profile configuration data to database

```
Please run the following command as user: arch  
[arch@server ~]$ python $ETP/install/install_Profiles_test_etp.py
```

Enable automatic startup at system boot

```
Login as root user and set ETP path variable:  
# export ETP=/ESSArch/pd/python/lib/python2.7/site-packages/ESSArch_T  
P
```

Enable workerprocess

```
Please run the following commands as root user.  
# cp /home/arch/ESSArch_TP_installer-x.x.x/$ETP/extra/celerydetp.sh  
/etc/init.d/celerydetp  
# chmod 744 /etc/init.d/celerydetp  
# chkconfig celerydetp on
```

Running the ETP server

Summary: Running the ETP server

Running the ETP server

Start ETP server

Note that a startup or shutdown of ETP should always be controlled.

```
Please run the following command as user root to start ETP.  
# service celerydetp start  
# service httpd start
```

Stop ETP server

```
Please run the following command as user root to stop ETP.  
# service httpd stop  
# service celerydetp stop
```

Access ETP web user interface

Start your preferable web browser and connect to ETP Server name or IP address.

URL: <https://xxxxxxx>

By default, for test purpose, the installation has configured the following users:

Username	Password	Role/Permissions
user	user	prepare, create, submit
admin	admin	admin
sysadmin	sysadmin	sysadmin

Safety backup procedures

Summary: Safety backup procedures

Important files to backup

Nothing more then ESSArch Core backup is required.

Logfiles

Summary: Logfile

Events and log information

Different types of events are logged both in physical files and tables in ESSArch database. Log entries are tagged with the log level - Debug, Critical, Error, Warning, Info. List of log files:

- /ESSArch/log
- /ESSArch/log/celery_workeretp.log
- /ESSArch/log/httpd_access_etp.log
- /ESSArch/log/httpd_error_etp.log
- /ESSArch/log/httpd_ssl_request_etp.log