

User Management: How do I integrate ldap-passwd-webui with Bright?

What is ldap-passwd-webui?

A simple tool, written entirely in Python.

The original tool can be found at <https://github.com/jirutka/ldap-passwd-webui>

It allows the end user to change their password via a web interface.

To allow integration with Bright Cluster Manager, ldap-passwd-webui was modified. The modified tool is at:

<http://support2.brightcomputing.com/ldap-passwd-webui/ldap-passwd-webui-master.zip>

Requirements:

The tool runs on Python 3, and was tested with Python 3.6.7

A requirements.txt file is found in the project. The contents mention the following version requirements:

bottle >= 0.12.8

ldap3 >= 2.0, < 3.0

configparser; python_version < '3.3'

Installation steps, into linux

- Download from <http://support2.brightcomputing.com/ldap-passwd-webui/ldap-passwd-webui-master.zip>
- unzip ldap-passwd-webui-master.zip
- cd ldap-passwd-webui
- pip3 install -r requirements.txt

Configuration

To make ldap-passwd-webui work with Bright cluster, the following cert and key files need to be copied over from the head node into the project's home directory:

/cm/local/apps/openldap/etc/certs/ca.pem

/cm/local/apps/openldap/etc/certs/ldap.pem

/cm/local/apps/openldap/etc/certs/ldap.key

The settings.ini.example file should then be copied over to settings.ini

An example of a settings.ini file that works with the default configuration of the cluster is:

```
[html]
page_title = Change your password

[ldap]
host = ldapserver
port = 636
use_ssl = True
base = ou=Group,dc=cm,dc=cluster
```

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URL: <http://kb.brightcomputing.com/faq/index.php?action=artikel&cat=13&id=441&artlang=en>

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```
search_filter = cn={uid}

# Uncomment if your ldap server requires client to present those
files
[tls]
key_file = ldap.key
cert_file = ldap.pem
ca_file = ca.pem

# Uncomment for AD / Samba 4
#type = ad
#ad_domain = ad.example.org
#search_filter = sAMAccountName={uid}

[server]
server = auto
host = localhost
port = 8080
```

When done, the tool can be run.

Running

ldap-passwd-webui can run as a standalone web server:

```
python3 app.py
```

The URL to reach the GUI is:

<http://localhost:8080>

The README.adoc file that is included with the tool has further details about web server integration.

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