

How to generate user password for digest_pw_auth SQUID digest authentication

Author : admin



I needed to generate new password for proxy user configured on SQUID proxy server configured with digest user authentication.

My dear colleague was kind to provide me with the below script, which generates the one line string which needs to go to the squid user password file:

```
#!/bin/sh
user="$1";
realm="$2";
pass="$3";
if [ -z "$1" -o -z "$2" -o -z "$3" ] ; then
echo "Usage: $0 user password 'realm'";
exit 1
fi
ha1=$(echo -n "$user:$realm:$pass"|md5sum |cut -f1 -d' ')
echo "$user:$realm:$ha1"
```

You can alternatively [download the squid_generate_pass.sh script here](#)

The script accepts three arguments;

proxy-server:~# ./squid_generate_pass.sh

Usage: ./squid_generate_pass.sh user password 'realm'

Thus to generate a new user and password and insert it immediately into let's say a squid configured user/pass file in **/etc/squid3/users** execute command:

```
proxy-server:~# ./squid_generate_pass.sh admin_user MySecretPassword 'Squid_Configured_Realm' \  
>> /etc/squid3/users
```

Where **Squid_Configured_Realm** depends on the realm name configured in **squid.conf**, for example if *squid.conf* includes some auth configuration similar to:

```
auth_param digest program /usr/lib/squid3/digest_pw_auth -c /etc/squid3/users  
auth_param digest children 2  
auth_param digest realm My_Proxy_Realm  
acl localusers proxy_auth REQUIRED
```

The realm script argument should be **My_Proxy_realm**. If *squid_generate_pass* does completes without errors, it should add a line to */etc/squid3/users* file similar to:

```
proxy-server:~# cat /etc/squid3/users  
admin_user:My_Proxy_realm:3bbcb35e505c52a0024ef2e3ab1910b0
```

Cheers ;)