

Scripts Cheatsheet

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September 14, 2010

1 Athena Commands

These commands assume an Athena machine.

- **athrun scripts** — Signup for Scripts services
- **ssh scripts** — SSH into the Scripts primary server
- **ssh locker@scripts** — SSH into Scripts as a locker you administrate (you or a list you are on have a bits).
- **athrun consult fsr sa \$DIR daemon:scripts read** — Give Scripts read permissions to \$DIR and all of its subdirectories. You can use **write** to allow read/write.
- **fs la \$DIR** — Inspect the permissions of a directory. Directories served by Scripts should have **daemon.scripts** or **system:anyuser** in their list.
- **finger @scripts** — Figure out active servers.
- **athrun scripts fix-php-ini** — Create symlinks to **php.ini** in current directory in subdirectories, to simulate a recursive **php.ini**.
- **athrun scripts webaccess** — Configure password authentication to directories.
- **athrun scripts for-each-server** — Run a command on all servers in the pool.
- **mysqldump \$USER+\$DB > \$BACKUPFILE** — Backup a MySQL database.

2 Scripts Commands

These are commands you can run on Scripts, either from an SSH session or from a script.

- **zwrite -d** — Send an unauthenticated zephyr.
- **logview** — Partial error logs.

3 URLs

- **scripts.mit.edu** — Obviously.
- **pony.scripts.mit.edu** — Hostname requests.
- **sql.mit.edu** — SQL administration; reset SQL password.
- **scripts.mit.edu/trac** — Bug tracker.
- **help.mit.edu** — Support queue.
- **scripts.mit.edu/wiki** — Documentation wiki.
- **web.mit.edu/~scripts/rpm-fc11** RPM repo
- **svn://scripts.mit.edu/trunk** — SCM repository.

4 Locations

Important locations that Scripts cares about. Assume **~** is your home directory. They usually are at least readable by **daemon.scripts**.

- **~/web_scripts** — Default directory served to web.
- **~/web_scripts_tmp** — Storage for temporary files like PHP sessions. Should not be publically readable.
- **~/sql/my.cnf** — Contains **sql.mit.edu** credentials.
- **~/Scripts/git** — Place bare Git repositories here.
- **~/Scripts/svn** — Place Subversion repositories here.
- **~/cron_scripts/crontab** — Default crontab to load.
- **~/mail_scripts/procmailrc** — Default procmail config.
- **~/lib/python2.6/site-packages** — Local Python modules installed with **--prefix ~**.
- **.htaccess.mit** — for **web.mit.edu**, not used by Scripts.
- **.htaccess** — Apache config. **777** is *not* necessary.

- **php.ini** — PHP configuration file, use to enable extra extensions. See also **fix-php-ini**.

Some more administrative locations:

- **/mit/scripts** — The Scripts locker.
- **/mit/pony** — Scripts Pony locker.
- **/mit/scripts/sql/bin** — Manage SQL from the command line.

5 Static file extensions

The following static file extensions will be served to the web directly. You will need to **chmod 777** static files not on this list. Dynamic scripts only need **chmod a+x**.

html css gif jpg png htm jpeg js ico xml xsl
tiff tif tgz tar jar zip pdf ps doc xls ppt swf
mp3 mov wmv mpg mpeg avi il xhtml svg xaml xap
wav mid midi

6 Certificate authentication

Certificates are requested on port **444**. For certificate protected directories, create the following **.htaccess** file:

```
AuthType SSLCert
Require valid-user
ErrorDocument 401 /_scripts/needcerts
```

The username of the authenticated user is the environment variable **REMOTE_USER**.

You can replace the **Require** line with either

```
Require user $USERNAME $USERNAME2 ...
```

or

```
Require afsgroup system:$GROUP system:$GROUP2 ...
```

Mixing usernames and groups is not allowed.

Optional authentication is achieved with

```
AuthSSLCertAuthoritative off
AuthOptional on
```

7 LDAP

Our prefix is **dn=scripts,dn=mit,dn=edu**. We use the following object classes (**objectClass**): **scriptsVhost**, **apacheConfig**, **posixAccount**, **account**. You can run the following commands from a Scripts server (add **/usr/local/sbin** to your **\$PATH**):

- **vhostadd** — Add a virtual host (requires LDAP bits).
- **vhostedit** — Edit a virtual host (you can simply view the virtual host as a mortal)
- **ldapvi -b dc=scripts,dn=mit,dn=edu \$QUERY** — Arbitrarily query LDAP. Some interesting queries might be **ou=People** or **ou=VirtualHosts**.

8 Other

- **ln -s /mit/git/arch/common/share/gitweb/gitweb.cgi ~/web** — Instant Gitweb setup for **~/Scripts/git**.