



<http://xyzcmd.syhpoon.name/>

Created 04.05.2010

Main features:

- * Tight integration with python run-time system — most of the settings can be changed "on the fly" via management console.
- * Powerful configuration system - define own actions, aliases, internal commands, key bindings.
- * Extensible plug-in system - even core functionality implemented mainly using plug-ins, keeping base system small and clean.
- * Events & hooks subsystem - a flexible way of reacting on certain system events.
- * Customizable look-n-feel - every widget component look can be changed using skins.
- * Unicode support

Tabs

(0 /) (1 UNIX) (2 usr)

```
./
/bin
/boot
~/cdrom
/dev
/etc
/home
/lib
/media
/mnt
/opt
/proc
/root
/sbin
/selinux
/srv
/sys
/tmp
/usr
/var
@initrd.img
@initrd.img.old
@vmlinuz
@vmlinuz.old
```

Active panel

(0 dev)

```
./dev
./..
./initramfs
./udev
/block
/bsg
/bus
/char
/disk
~/fd
/input
/mapper
/net
/pts
/shm
/snd
/syhoon
/v4l
./initramfs-tools
@MAKEDEV
-ads
-audio
-autofs
@cdrom1
@cdrw1
-console
@core
-cpu_dma_latency
-dsp
@dvd1
```

Inactive panel

/ 4K drwxr-xr-x

/ 4K drwxr-xr-x

||

Prompt

Command line

Skins

Skin is the way to customize look'n'feel of XYZCommander.

Customizable elements are:

- * Elements of filesystem based on fsrule description:
- * All user interface widgets

XYZCommander comes with 5 standard skins:

Seablue (default)

```
(0 /) {1 UNIX} {2 usr} (0 dev) /dev
/..
/bin
/boot
~cdrom
/dev
/etc
/home
/lib
/media
/mnt
/opt
/proc
/root
/sbin
/selinux
/srv
/sys
/tmp
/usr
/var
@initrd.img
@initrd.img.old
@vmlinuz
@vmlinuz.old
/ 4K drwxr-xr-x

/..
/.initramfs
/.udev
/block
/bsg
/bus
/char
/disk
~fd
/input
/mapper
/net
/pts
/shm
/snd
/syhoon
/v4l
.initrans-tools
@MAKEDEV
-adsp
-audio
-autofs
@cdrom1
@cdrw1
-console
@core
-cpu_dma_latency
-dsp
@dvd1
/ 4K drwxr-xr-x
```

grass

```
{0 /} {1 UNIX} {2 usr}                               {0 dev}
/
/..
/bin
/boot
~/cdrom
/dev
/etc
/home
/lib
/media
/mnt
/opt
/proc
/root
/sbin
/selinux
/srv
/sys
/tmp
/usr
/var
@initrd.img
@initrd.img.old
@vmlinuz
@vmlinuz.old
/
4K drwxr-xr-x

/..
/.initramfs
/.udev
/block
/bsg
/bus
/char
/disk
~/fd
/input
/mapper
/net
/pts
/shm
/snd
/syhpooon
/v4l
..initramfs-tools
@MAKEDEV
-adsp
-audio
-autofs
@cdrom1
@cdrw1
-console
@core
-cpu_dma_latency
-dsp
@dvd1
/dev
/
4K drwxr-xr-x
```

glamour

```
(0 /) {1 UNIX} {2 usr} /dev
```

<pre>/. /bin /boot ~cdrom /dev /etc /home /lib /media /mnt /opt /proc /root /sbin /selinux /srv /sys /tmp /usr /var @initrd.img @initrd.img.old @vmlinuz @vmlinuz.old</pre>	<pre>/. /.initramfs /.udev /block /bsg /bus /char /disk ~fd /input /mapper /net /pts /shm /snd /syhpoon /v4l /.initramfs-tools @MAKEDEV -adsp -audio -autofs @cdrom1 @cdrw1 -console @core -cpu_dma_latency -dsp @dvd1</pre>
<pre>/ 4K drwxr-xr-x</pre>	<pre>/ 4K drwxr-xr-x</pre>

||

monochrome

```
(0 /) (1 UNIX) (2 usr) /dev
/..
/bin
/boot
~/cdrom
/dev
/etc
/home
/lib
/media
/mnt
/opt
/proc
/root
/sbin
/selinux
/srv
/sys
/tmp
/usr
/var
@initrd.img
@initrd.img.old
@vmlinuz
@vmlinuz.old
/ 4K drwxr-xr-x

(0 dev) /dev
/..
/.initramfs
/.udev
/block
/bsg
/bus
/char
/disk
~/fd
/input
/mapper
/net
/pts
/shm
/snd
/syhpooon
/v4l
 .initramfs-tools
@MAKEDEV
-adsp
-audio
-autofs
@cdrom1
@cdrw1
-console
@core
-cpu_dma_latency
-dsp
@dvd1
/ 4K drwxr-xr-x
```

Lighty (256 high colors mode)

```
{0 /} {1 UNIX} {2 usr} /dev /dev
/.. /..
/bin /.initramfs
/boot /.udev
~/cdrom /block
/dev /bsg
/etc /bus
/home /char
/lib /disk
/media ~/fd
/mnt /input
/opt /mapper
/proc /net
/root /pts
/sbin /shm
/selinux /snd
/srv /syhpoon
/sys /v4l
/tmp .initramfs-tools
/usr @MAKEDEV
/var -adsp
@initrd.img -audio
@initrd.img.old -autofs
@vmlinuz @cdrom1
@vmlinuz.old @cdrom1
-console
@core
-cpu_dma_latency
-dsp
@dvd1
/ 4K drwxr-xr-x / 4K drwxr-xr-x
```

It is very easy to create your own skin theme!

Check the manual chapter for details:

<http://xyzcmd.syhpoon.name/static/doc/user-manual/skins.html>

FSRules

FSRules is a tiny DSL, widely-used in XYZCommander for describing filesystem objects.

FSRules are used for:

- * Describing objects in skins
- * Describing objects for custom actions
- * Tagging files in panel
- * More ...

Some FSRules examples

Tag all hidden files in current directory

```
(0 tmp) (1 UNIX) (2 usr) /tmp
/..
/.A
/.B
/.C
/.ICE-unix
/.X11-unix
/emacs1000
/home
/keyring-yPT40a
/orbit-syhpoo
/plugtmp
/ssh-pjyxzi1019
/svofe.tmp
.X0-lock
.a
.b
.c
.d
=OSL_PIPE_1000_Single0
=scin-helper-manager-s
=scin-panel-socket:0-syhpoo
=scin-socket-frontend-syhpoo

11 bytes (10)
6 drwxrwxrwt

(0 dev) /dev
/..
/.initramfs
/.udev
/block
/bsg
/bus
/char
/disk
^fd
/input
/mapper

Tag group
Type FS Rule
name{"^\\.([^\,]*)"
Press ENTER to submit value. ESCAPE to quit

-audio
-autofs
@cdrom1
@cdrw1
-console
@core
-cpu_dma_latency
-dsp
@dvd1
/
4K drwxr-xr-x
```

Tag all files not owned by user syhpoon

```
(0 tmp) (1 UNIX) (2 usr) /tmp
/..
/.A
/.B
/.C
/.ICE-unix
/.X11-unix
/emacs1000
/home
/keyring-yPT40a
/orbit-syhpoon
/plugtmp
/ssh-pjyxzi1019
/svofe.tmp
.X0-lock
.a
.b
.c
.d
=OSL_PIPE_1000_Single0
=scin-helper-manager-s
=scin-panel-socket:0-syhpoon
=scin-socket-frontend-syhpoon

11 bytes (4)
/home 20 drwxr-xr-x

(0 dev) /dev
/..
/.initramfs
/.udev
/block
/bsg
/bus
/char
/disk
~fd
/input
/mapper

Tag group
Type FS Rule
not owner(syhpoon)
Press ENTER to submit value. ESCAPE to quit

-audio
-autofs
@cdrom1
@cdrw1
-console
@core
-cpu_dma_latency
-dsp
@dvd1

4K drwxr-xr-x
/
```

Tag all files with execution bit set

```
(0 tmp) (1 UNIX) (2 usr) /tmp (0 dev) /dev
/..
/.A
/.B
/.C
/.ICE-unix
/.X11-unix
/emacs1000
/home
/keyring-yPT40a
/orbit-syphoon
/plugtmp
/ssh-pjyxi1019
/svofe.tmp
.X0-lock
.a
.b
.c
.d
=OSL_PIPE_1000_Single0
#exe1
#exe2
#exe3
=scim-helper-manager-socket-syphoon
=scim-panel-socket:0-syphoon
=scim-socket-frontend-syphoon
0 bytes (3) 4K drwxr-xr-x

/..
/.initramfs
/.udev
/block
/bsg
/bus
/char
/disk
~fd
/input
/mapper
.audio
.autofs
@cdrom1
@cdrw1
-console
@core
-cpu_dma_latency
-dsp
@dvd1
/
4K drwxr-xr-x
```

Tag group
Type FS Rule

type(file) and perm(+0111)

Press ENTER to submit value. ESCAPE to quit

Tag those files which according to magic db match as avi movies.

```
(0 tmp) (1 UNIX) (2 usr) (0 /)
/tmp /
/.. /..
/.A /bin
/.B /boot
/.C ~/cdrom
/.ICE-unix /dev
/.X11-unix /etc
/emacs1000 /home
/home /lib
/keyring-yPT40a /media
~link.good /mnt
/orbit-syhpoon /opt
/plugtmp
/ssh-pjyxzi1819
/sv2fn.tmp
.X0-lock
.a
.b
.c
.d
289M
More-168
=OSL_PIPE_1000_SingleOfficeIPC_c1c6bb8665e225cf22a45146~
*exe1
*exe2
*exe3
file.txt
link.bad
=scim-helper-manager-socket-syhpoon
=scim-panel-socket:0-syhpoon
432_254_096 bytes (1)
/ssh-pjyxzi1819 23 drwx----- / 4K drwxr-xr-x
```

Tag group
Type FS Rule
magic("avi")
Press ENTER to submit value. ESCAPE to quit

Tag all files with size exceeding 200 megabytes

```
(0 tmp) (1 UNIX) (2 usr) (0 /)
/tmp /
/.. /..
/.A /bin
/.B /boot
/.C ~/cdrom
/.ICE-unix /dev
/.X11-unix /etc
/emacs1000 /home
/home /lib
/keyring-yPT40a /media
~link.good /mnt
/orbit-syphoon /opt
/plugtmp
/ssh-pjyxi1819
.X0-lock
.a
.b
.c
.d
289M
More-1GB
*exe1
*exe2
*exe3
file.txt
!link.bad
=scim-helper-manager-socket-syphoon
=scim-panel-socket:0-syphoon
=scim-socket-frontend-syphoon
----- 2_045_781_136 bytes (3) -----
/ssh-pjyxi1819 23 drwx----- / 4K drwxr-xr-x
||
```

Tag group
Type FS Rule

size(">200M")

Press ENTER to submit value. ESCAPE to quit

More rule actions and description how to create your own FSRule are available in XYZCommander user manual:

http://xyzcmd.syhpoon.name/static/doc/user-manual/fs_rules.html

Events & hooks

One can create hooks reacting on internal system events

Events & hooks

Run load() method when system starts:

```
self.xyz.hm.register("event:startup", self.load)
```

Run save() method when system stops:

```
self.xyz.hm.register("event:shutdown", self.save)
```

Run handler before executing the command:

```
self.xyz.hm.register("event:core:shell:execute", self.handler())
```



Useful hints

If something goes wrong:
logger window may help (META-I (lowercase L))

```
(0 /) (1 UNIX) (2 usr) (0 UNIX)
Logger console
[2010-04-29 23:57]: (ERROR) Error executing bind (<Shortcut: ['f5']>): Test ERROR!
[2010-04-29 23:57]: (DEBUG) Traceback (most recent call last):
  File "/home/syhpoon/UNIX/Work/Devel/Lang/python/Projects/xyzcmd/xyzcmd-trunk/libxyz/ui/panel.py", line 160, in
loop
    self._cmd.keypress(_dim, _input)
  File "/home/syhpoon/UNIX/Work/Devel/Lang/python/Projects/xyzcmd/xyzcmd-trunk/libxyz/ui/cmd.py", line 312, in
keypress
    return _meth()
  File "<string>", line 182, in x
RuntimeError: Test ERROR!
```

See active plugins exported methods, doc, events etc (META-t)

```
(0 /) (1 UNIX) (2 usr) (0 UNIX)
----- Active plugins list -----
:core:bindlist      0.2 - Show keybindings
:core:console      0.1 - Interactive management console
:core:keycodes     0.1 - Setup terminal keycodes
:core:pluginlist   0.2 - Show plugin list
:fsrules:magic     0.1 - Magic database FSRule
:misc:about        0.1 - About plugin
:misc:where        0.2 - Save panels locations
:sys:cmd           0.1 - Command line plugin
:sys:logger        0.1 - Logger plugin
:sys:panel         0.1 - Panel plugin
:sys:run           0.1 - Run plugin
:ui:bookmarks      0.1 - Frequently used directories
:ui:testinput      0.1 - Test input
:vfs:fileinfo      0.1 - Show VFS object information
:vfs:vfsutils      0.1 - Useful VFS routines
```