

1.113.1

Configure and manage inetd, xinetd, and related services

Weight 4

Linux Professional Institute Certification — 102

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Description of Objective

1.113.1 Configure and manage inetd, xinetd, and related services

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Configure and manage
inetd, xinetd, and
related services
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Candidates should be able to configure which services are available through inetd, use tcpwrappers to allow or deny services on a host-by-host basis, manually start, stop, and restart internet services, configure basic network services including telnet and ftp. Set a service to run as another user instead of the default in inetd.conf.

Key files, terms, and utilities include:

```
/etc/inetd.conf  
/etc/hosts.allow  
/etc/hosts.deny  
/etc/services  
/etc/xinetd.conf  
/etc/xinetd.log
```

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Key files, terms and utilities

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```
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/etc/xinetd.log
```

The internet “super-server”

A daemon which listens on many ports and fires off the appropriate command to handle incoming requests

Controlled through `/etc/inetd.conf`

xinetd is an enhanced replacement

Fields are:

service_name sock_type proto flags user server_path args

```
# UW-IMAP server
```

```
imap2  stream  tcp  nowait  root  /usr/sbin/tcpd  /usr/sbin/imapd
```

```
imap3  stream  tcp  nowait  root  /usr/sbin/tcpd  /usr/sbin/imapd
```

```
imaps  stream  tcp  nowait  root  /usr/sbin/tcpd  /usr/sbin/imapd
```

```
# Exim mail server
```

```
smtp   stream  tcp  nowait  mail  /usr/sbin/exim  exim -bs
```

Built-in services (often disabled)

echo	stream	tcp	nowait	root	internal
echo	dgram	udp	wait	root	internal
chargen	stream	tcp	nowait	root	internal
chargen	dgram	udp	wait	root	internal
discard	stream	tcp	nowait	root	internal
discard	dgram	udp	wait	root	internal
daytime	stream	tcp	nowait	root	internal
daytime	dgram	udp	wait	root	internal
time	stream	tcp	nowait	root	internal
time	dgram	udp	wait	root	internal

hosts.allow / hosts.deny

“TCP Wrappers” aka **tcpd**
Manpage is `hosts_access(5)`

```
# /etc/hosts.allow
sshd: ALL
imapd: 10.0.6.19
ALL: 10.0.128.96/255.255.255.224
```

```
# /etc/hosts.deny
#ALL: PARANOID
ALL: ALL
```

Same idea—ludicrous number of options

```
service smtp
{
    socket_type      = stream
    protocol        = tcp
    wait            = no
    user            = mail
    server          = /usr/sbin/exim
    server_args     = -bs
}
```

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