Astra Linux Special Edition 1.5 Bacula

- Bacula Astra Linux Special Edition .10015-01 (1.5)
  -
  - bacula
    - Director Daemon
    - Storage Daemon
    - File Daemon

Bacula Astra Linux Special Edition .10015-01 (1.5)

:

Director Daemon 10.0.0.23 - , , *bakula-dir*.
Storage Daemon 10.0.0.24 - , . *bakula-sd*.
File Daemon 10.0.0.25 - , . *bakula-fd*.

Director Daemon :
postgresql-9.4 pgadmin3 bacula-common bacula-common-pgsql bacula-console bacula-director-common bacula-director-pgsql

> ⚠ bacula , , .

Storage Daemon :
bacula-sd-pgsql

File Daemon:
bacula-fd

Director Daemon
/etc/postgresql/9.4/main/postgresql.conf :

```
listen_addresses='*'
```

/etc/postgresql/9.4/main/pg_hba.conf trust .
host ip , bacula-dir.

```
local all postgres trust
local all all trust
host all all 127.0.0.1/32 trust
host all all 10.0.0.23/24 trust
```

:

```
pg_ctlcluster 9.4 main restart
```

postgres:

```
passwd postgres
```

bacula:

```
passwd bacula
```

bacula

bacula, - root:

```
#psql template1 -U postgres -h 10.0.0.23 -p PORT
```

PORT pg_lsclusters

```
template1=# CREATE ROLE bacula;
template1=# ALTER USER bacula PASSWORD 'bacula';
template1=# ALTER USER bacula LOGIN SUPERUSER CREATEDB CREATEROLE;
```

bacula

```
CREATE DATABASE bacula;
ALTER DATABASE bacula OWNER TO bacula;
```

PAM, postgres
:

```
usermod -a -G shadow postgres
setfacl -d -m u:postgres:r /etc/parsec/macdb
setfacl -R -m u:postgres:r /etc/parsec/macdb
setfacl -m u:postgres:rx /etc/parsec/macdb

setfacl -d -m u:postgres:r /etc/parsec/capdb
setfacl -R -m u:postgres:r /etc/parsec/capdb
setfacl -m u:postgres:rx /etc/parsec/capdb
```

bacula :

```
pdpl-user bacula -l 0:0
```

/usr/share/bacula-director/make_postgresql_tables */usr/share/bacula-director/grant_postgresql_privileges* :

```
db_name=${db_name:-bacula}
psql -U bacula -h 10.0.0.23 -p 5433 -f - -d ${db_name} $* <<END-OF-DATA
```

make_postgresql_tables grant_postgresql_privileges

, Storage Daemon /back, , bacula:

```
mkdir /back
chown -R bacula /back
```

, File Daemon /etc2, :

```
mkdir /etc2
```

, , , bacula.

bacula

Bacula .

Director Daemon

Director Daemon /etc/bacula/bacula-dir bakula1.
Director. Name Password. Name Director Daemon, Password – , BC DD. .

```
Director {
    Name = bacula-dir
    DIRport = 9101
    QueryFile = "/etc/bacula/scripts/query.sql"
    WorkingDirectory = "/var/lib/bacula"
    PidDirectory = "/run/bacula"
    Maximum Concurrent Jobs = 1
    Password = "1"         # Console password
    Messages = Daemon
    DirAddress = 10.0.0.23
 }
```

JobDefs , .

Job, . , .
Type . , . Backup.
Schedule , . , bacula-dir.conf. WeeklyCycle , .
Where , .
Write Bootstrap , , Bacula Catalog. %n Name:

```
Job {
    Name = "BackupClient1"
    Type = Backup
    Client = bacula-fd
    FileSet="Catalog"
    Schedule = "DailyCycle"
    Messages = Standard
    Pool = Default
    Write Bootstrap = "/var/lib/bacula/%n.bsr"
    Priority = 1
 }

Job {
    Name = "RestoreFiles"
    Type = Restore
    Client=bacula-fd
    FileSet="Catalog"
    Storage = File
    Pool = Default
    Messages = Standard
    Where = /home2
}
```

– FileSet, . , Windows, – Linux , – . .

Name .
Include /, Exclude – , . Include Options, .
signature .
compression .
recurse , .
File , .
xattrsupport , .

```
FileSet {
     Name = "Catalog"
     Include {
     Options {
     signature = MD5
     compression = GZIP
     aclsupport = yes
     xattrsupport = yes
}
     File = /home
   }
```

Exclude

```
 Schedule {
    Name = "DailyCycle"
    Run = Full daily at 15:30
    Run = Differential 2nd-5th sun at 23:05
    Run = Incremental mon-sat at 23:05
}
```

Schedule FileSet .

, .

```
 Client {
    Name = bacula-fd
    Address = 10.0.0.25
    FDPort = 9102
    Catalog = MyCatalog
    Password = "1"
    File Retention = 30 days
    Job Retention = 6 months
    AutoPrune = yes
 }
```

SD, . Storage Daemon , Storage bacula-dir.conf.
Name – , Storage bacula-dir.conf
Device MediaType bacula-sd.conf.
Password , Storage Daemon.

```
 Storage {
    Name = File
    Address = 10.0.0.24
    SDPort = 9103
    Password = "1"
    Device = FileStorage
    Media Type = File
 }
```

, , Catalog. , Bacula Catalog Name:

```
Catalog {
    Name = MyCatalog
    dbname = "bacula"; DB Address = "10.0.0.23"; dbuser = "bacula"; dbpassword =     "bacula"; DB PORT = "5433"
 }

Messages {
  Name = Standard
    mailcommand = "/usr/sbin/bsmtp -h localhost -f \"\(Bacula\) \<%r\>\" -s \"Bacula: %t %e of %c %l\" %r"
    operatorcommand = "/usr/sbin/bsmtp -h localhost -f \"\(Bacula\) \<%r\>\" -s \"Bacula: Intervention needed for
%j\" %r"
    mail = root = all, !skipped
    operator = root = mount
    console = all, !skipped, !saved
    append = "/var/log/bacula/bacula.log" = all, !skipped
    catalog = all

Messages {
    Name = Daemon
    mailcommand = "/usr/sbin/bsmtp -h localhost -f \"\(Bacula\) \<%r\>\" -s \"Bacula daemon message\" %r"
    mail = root = all, !skipped
    console = all, !skipped, !saved
    append = "/var/log/bacula/bacula.log" = all, !skipped
}
```

Pool , , SD . Pool , , . File Daemon , FD Pool. .
Name .
ool Type , Backup.
Maximum Volume Jobs 1. , , . – , (,). , , . , " – ", .. Bacula , . .
Volume Retention – , , , . Bacula , , . , , Bacula. . . , .
Maximum Volumes – ( ), .
Recycle , . , . Maximum Volumes.
AutoPrune , Bacula Catalog .
Label Format , Bacula , – .
Storage , Name Storage bacula-dir.conf.

```
Pool {
    Name = Default
    Pool Type = Backup
    Recycle = yes
    AutoPrune = yes
    Volume Retention = 1 month
    Maximum Volume Jobs = 5
    Maximum Volumes = 32
    Storage = File
    Label Format = "volume-"
}
```

Pool .

```
Console {
    Name = bacula-mon
    Password = "1"
    CommandACL = status, .status
}
```

DD Bacula Console /etc/bacula/bconsole.conf Director Daemon :

```
Director {
      Name = bacula-dir
      DIRport = 9101
      address = 10.0.0.23
      Password = "1"
}
```

, Director Daemon bacula-sd bacula-fd, :

```
apt-get remove bacula-sd
apt-get remove bacula-fd
```

bacula-sd bacula-fd /etc/bacula , .
bacula-sd bacula-fd :

```
/etc/init.d/bacula-sd stop
/etc/init.d/bacula-fd stop
```

Storage Daemon

Storage Daemon, . Bacula , . . – (, ext3). , bakula2 /etc/bacula/bacula-sd.conf. – Storage, Name, Storage Daemon.
.
Director DD , DD SD. , . Director, , , .

```
Storage {
    Name = bacula-sd
    DPort = 9103
    WorkingDirectory = "/var/lib/bacula"
    Pid Directory = "/var/run/bacula"
    Maximum Concurrent Jobs = 20
    SDAddress = 10.0.0.24
}

Director {
    Name = bacula-dir
    Password = "1"
}
```

, , Device. , , /back.
Name . File Daemon, Device . FD , .
Media Type , Bacula . , . , Device Media Type.
Archive Device /dev , .
Device Type . File.
Random Access () . Yes.
RemovableMedia , . , .. No.
LabelMedia .

```
Device {
Name = FileStorage
Media Type = File
Archive Device = /back
LabelMedia = yes;
Random Access = Yes;
AutomaticMount = yes;
RemovableMedia = no;
AlwaysOpen = no;
  }

Messages {
    Name = Standard
    director = bacula-dir = all
 }
```

, Storage Daemon bacula-fd:

```
apt-get remove bacula-fd
```

bacula-fd /etc/bacula , .
bacula-fd :

```
/etc/init.d/bacula-fd stop
```

File Daemon

File Daemon bakula3.
/etc/bacula/bacula-fd, Director, , DD FD, FileDaemon, FD. Director, , , .

```
Director {
    Name = bacula-dir
    Password = "1"
  }
```

FileDaemon , , Name, File Daemon:

```
FileDaemon {
    Name = bacula-fd
    FDport = 9102
    WorkingDirectory = /var/lib/bacula
    Pid Directory = /var/run/bacula
    Maximum Concurrent Jobs = 20
    FDAddress = 10.0.0.25
  }

Messages {
    Name = Standard
    director = bacula-dir = all, !skipped, !restored
  }
```

, File Daemon bacula-sd:

```
apt-get remove bacula-sd
```

bacula-sd /etc/bacula , .
bacula-sd :

```
/etc/init.d/bacula-sd stop
```

, ::

```
/etc/init.d/bacula-director restart
/etc/init.d/bacula-sd restart
/etc/init.d/bacula-fd restart
```

bacula . bacula bconsole. , , .

bconsole, run, job 1, mod, 1 (Level), 1 (Full), yes. /back Storage Daemon. restore, 12, job id, mark *, done. /etc2 File Daemon.