[root@bacula-server ~]# vi /etc/hosts

[root@bacula-server ~]# cat /etc/hosts

127.0.0.1 localhost localhost.localdomain localhost4 localhost4.localdomain4

::1 localhost localhost.localdomain localhost6 localhost6.localdomain6

192.168.15.158 bacula-server backup.hpcsa.com

[root@bacula-server ~]# yum install -y bacula-director bacula-storage bacula-console bacula-client mariadb-server vim httpd

Loaded plugins: fastestmirror

Determining fastest mirrors

\* base: centos.mirror.net.in

\* extras: centos.mirror.net.in

\* updates: centos.mirror.net.in

base | 3.6 kB 00:00:00

extras | 2.9 kB 00:00:00

updates | 2.9 kB 00:00:00

(1/4): base/7/x86\_64/group\_gz | 153 kB 00:00:00

(2/4): extras/7/x86\_64/primary\_db | 250 kB 00:00:00

(3/4): updates/7/x86\_64/primary\_db | 22 MB 00:00:00

(4/4): base/7/x86\_64/primary\_db | 6.1 MB 00:00:00

Resolving Dependencies

--> Running transaction check

---> Package bacula-client.x86\_64 0:5.2.13-23.1.el7 will be installed

--> Processing Dependency: bacula-common(x86-64) = 5.2.13-23.1.el7 for package: bacula-client-5.2.13-23.1.el7.x86\_64

--> Processing Dependency: libbacpy-5.2.13.so()(64bit) for package: bacula-client-5.2.13-23.1.el7.x86\_64

--> Processing Dependency: libbacfind-5.2.13.so()(64bit) for package: bacula-client-5.2.13-23.1.el7.x86\_64

--> Processing Dependency: libbaccfg-5.2.13.so()(64bit) for package: bacula-client-5.2.13-23.1.el7.x86\_64

--> Processing Dependency: libbac-5.2.13.so()(64bit) for package: bacula-client-5.2.13-23.1.el7.x86\_64

---> Package bacula-console.x86\_64 0:5.2.13-23.1.el7 will be installed

---> Package bacula-director.x86\_64 0:5.2.13-23.1.el7 will be installed

--> Processing Dependency: perl(strict) for package: bacula-director-5.2.13-23.1.el7.x86\_64

--> Processing Dependency: perl(POSIX) for package: bacula-director-5.2.13-23.1.el7.x86\_64

--> Processing Dependency: perl(Logwatch) for package: bacula-director-5.2.13-23.1.el7.x86\_64

--> Processing Dependency: logwatch for package: bacula-director-5.2.13-23.1.el7.x86\_64

--> Processing Dependency: /usr/bin/perl for package: bacula-director-5.2.13-23.1.el7.x86\_64

--> Processing Dependency: libbacsql-5.2.13.so()(64bit) for package: bacula-director-5.2.13-23.1.el7.x86\_64

--> Processing Dependency: libbaccats-5.2.13.so()(64bit) for package: bacula-director-5.2.13-23.1.el7.x86\_64

---> Package bacula-storage.x86\_64 0:5.2.13-23.1.el7 will be installed

--> Processing Dependency: mt-st for package: bacula-storage-5.2.13-23.1.el7.x86\_64

---> Package httpd.x86\_64 0:2.4.6-99.el7.centos.1 will be installed

--> Processing Dependency: httpd-tools = 2.4.6-99.el7.centos.1 for package: httpd-2.4.6-99.el7.centos.1.x86\_64

--> Processing Dependency: /etc/mime.types for package: httpd-2.4.6-99.el7.centos.1.x86\_64

--> Processing Dependency: libaprutil-1.so.0()(64bit) for package: httpd-2.4.6-99.el7.centos.1.x86\_64

--> Processing Dependency: libapr-1.so.0()(64bit) for package: httpd-2.4.6-99.el7.centos.1.x86\_64

---> Package mariadb-server.x86\_64 1:5.5.68-1.el7 will be installed

--> Processing Dependency: mariadb(x86-64) = 1:5.5.68-1.el7 for package: 1:mariadb-server-5.5.68-1.el7.x86\_64

--> Processing Dependency: perl-DBI for package: 1:mariadb-server-5.5.68-1.el7.x86\_64

--> Processing Dependency: perl-DBD-MySQL for package: 1:mariadb-server-5.5.68-1.el7.x86\_64

--> Processing Dependency: perl(Getopt::Long) for package: 1:mariadb-server-5.5.68-1.el7.x86\_64

--> Processing Dependency: perl(File::Temp) for package: 1:mariadb-server-5.5.68-1.el7.x86\_64

--> Processing Dependency: perl(File::Path) for package: 1:mariadb-server-5.5.68-1.el7.x86\_64

--> Processing Dependency: perl(Data::Dumper) for package: 1:mariadb-server-5.5.68-1.el7.x86\_64

--> Processing Dependency: perl(DBI) for package: 1:mariadb-server-5.5.68-1.el7.x86\_64

---> Package vim-enhanced.x86\_64 2:7.4.629-8.el7\_9 will be installed

--> Processing Dependency: vim-common = 2:7.4.629-8.el7\_9 for package: 2:vim-enhanced-7.4.629-8.el7\_9.x86\_64

--> Processing Dependency: libperl.so()(64bit) for package: 2:vim-enhanced-7.4.629-8.el7\_9.x86\_64

--> Processing Dependency: libgpm.so.2()(64bit) for package: 2:vim-enhanced-7.4.629-8.el7\_9.x86\_64

--> Running transaction check

---> Package apr.x86\_64 0:1.4.8-7.el7 will be installed

---> Package apr-util.x86\_64 0:1.5.2-6.el7\_9.1 will be installed

---> Package bacula-common.x86\_64 0:5.2.13-23.1.el7 will be installed

---> Package bacula-libs.x86\_64 0:5.2.13-23.1.el7 will be installed

---> Package bacula-libs-sql.x86\_64 0:5.2.13-23.1.el7 will be installed

--> Processing Dependency: libpq.so.5()(64bit) for package: bacula-libs-sql-5.2.13-23.1.el7.x86\_64

---> Package gpm-libs.x86\_64 0:1.20.7-6.el7 will be installed

---> Package httpd-tools.x86\_64 0:2.4.6-99.el7.centos.1 will be installed

---> Package logwatch.noarch 0:7.4.0-35.20130522svn140.el7\_5 will be installed

--> Processing Dependency: perl(Sys::MemInfo) for package: logwatch-7.4.0-35.20130522svn140.el7\_5.noarch

--> Processing Dependency: perl(Sys::CPU) for package: logwatch-7.4.0-35.20130522svn140.el7\_5.noarch

--> Processing Dependency: perl(Exporter) for package: logwatch-7.4.0-35.20130522svn140.el7\_5.noarch

--> Processing Dependency: perl(Date::Manip) for package: logwatch-7.4.0-35.20130522svn140.el7\_5.noarch

--> Processing Dependency: mailx for package: logwatch-7.4.0-35.20130522svn140.el7\_5.noarch

---> Package mailcap.noarch 0:2.1.41-2.el7 will be installed

---> Package mariadb.x86\_64 1:5.5.68-1.el7 will be installed

---> Package mt-st.x86\_64 0:1.1-14.el7 will be installed

---> Package perl.x86\_64 4:5.16.3-299.el7\_9 will be installed

--> Processing Dependency: perl(Socket) >= 1.3 for package: 4:perl-5.16.3-299.el7\_9.x86\_64

--> Processing Dependency: perl(Scalar::Util) >= 1.10 for package: 4:perl-5.16.3-299.el7\_9.x86\_64

--> Processing Dependency: perl-macros for package: 4:perl-5.16.3-299.el7\_9.x86\_64

--> Processing Dependency: perl(threads::shared) for package: 4:perl-5.16.3-299.el7\_9.x86\_64

--> Processing Dependency: perl(threads) for package: 4:perl-5.16.3-299.el7\_9.x86\_64

--> Processing Dependency: perl(constant) for package: 4:perl-5.16.3-299.el7\_9.x86\_64

--> Processing Dependency: perl(Time::Local) for package: 4:perl-5.16.3-299.el7\_9.x86\_64

--> Processing Dependency: perl(Time::HiRes) for package: 4:perl-5.16.3-299.el7\_9.x86\_64

--> Processing Dependency: perl(Storable) for package: 4:perl-5.16.3-299.el7\_9.x86\_64

--> Processing Dependency: perl(Socket) for package: 4:perl-5.16.3-299.el7\_9.x86\_64

--> Processing Dependency: perl(Scalar::Util) for package: 4:perl-5.16.3-299.el7\_9.x86\_64

--> Processing Dependency: perl(Pod::Simple::XHTML) for package: 4:perl-5.16.3-299.el7\_9.x86\_64

--> Processing Dependency: perl(Pod::Simple::Search) for package: 4:perl-5.16.3-299.el7\_9.x86\_64

--> Processing Dependency: perl(Filter::Util::Call) for package: 4:perl-5.16.3-299.el7\_9.x86\_64

--> Processing Dependency: perl(File::Spec::Unix) for package: 4:perl-5.16.3-299.el7\_9.x86\_64

--> Processing Dependency: perl(File::Spec::Functions) for package: 4:perl-5.16.3-299.el7\_9.x86\_64

--> Processing Dependency: perl(File::Spec) for package: 4:perl-5.16.3-299.el7\_9.x86\_64

--> Processing Dependency: perl(Cwd) for package: 4:perl-5.16.3-299.el7\_9.x86\_64

--> Processing Dependency: perl(Carp) for package: 4:perl-5.16.3-299.el7\_9.x86\_64

---> Package perl-DBD-MySQL.x86\_64 0:4.023-6.el7 will be installed

---> Package perl-DBI.x86\_64 0:1.627-4.el7 will be installed

--> Processing Dependency: perl(RPC::PlServer) >= 0.2001 for package: perl-DBI-1.627-4.el7.x86\_64

--> Processing Dependency: perl(RPC::PlClient) >= 0.2000 for package: perl-DBI-1.627-4.el7.x86\_64

---> Package perl-Data-Dumper.x86\_64 0:2.145-3.el7 will be installed

---> Package perl-File-Path.noarch 0:2.09-2.el7 will be installed

---> Package perl-File-Temp.noarch 0:0.23.01-3.el7 will be installed

---> Package perl-Getopt-Long.noarch 0:2.40-3.el7 will be installed

--> Processing Dependency: perl(Pod::Usage) >= 1.14 for package: perl-Getopt-Long-2.40-3.el7.noarch

--> Processing Dependency: perl(Text::ParseWords) for package: perl-Getopt-Long-2.40-3.el7.noarch

---> Package perl-libs.x86\_64 4:5.16.3-299.el7\_9 will be installed

---> Package vim-common.x86\_64 2:7.4.629-8.el7\_9 will be installed

--> Processing Dependency: vim-filesystem for package: 2:vim-common-7.4.629-8.el7\_9.x86\_64

--> Running transaction check

---> Package mailx.x86\_64 0:12.5-19.el7 will be installed

---> Package perl-Carp.noarch 0:1.26-244.el7 will be installed

---> Package perl-Date-Manip.noarch 0:6.41-2.el7 will be installed

--> Processing Dependency: perl(Encode) for package: perl-Date-Manip-6.41-2.el7.noarch

---> Package perl-Exporter.noarch 0:5.68-3.el7 will be installed

---> Package perl-Filter.x86\_64 0:1.49-3.el7 will be installed

---> Package perl-PathTools.x86\_64 0:3.40-5.el7 will be installed

---> Package perl-PlRPC.noarch 0:0.2020-14.el7 will be installed

--> Processing Dependency: perl(Net::Daemon) >= 0.13 for package: perl-PlRPC-0.2020-14.el7.noarch

--> Processing Dependency: perl(Net::Daemon::Test) for package: perl-PlRPC-0.2020-14.el7.noarch

--> Processing Dependency: perl(Net::Daemon::Log) for package: perl-PlRPC-0.2020-14.el7.noarch

--> Processing Dependency: perl(Compress::Zlib) for package: perl-PlRPC-0.2020-14.el7.noarch

---> Package perl-Pod-Simple.noarch 1:3.28-4.el7 will be installed

--> Processing Dependency: perl(Pod::Escapes) >= 1.04 for package: 1:perl-Pod-Simple-3.28-4.el7.noarch

---> Package perl-Pod-Usage.noarch 0:1.63-3.el7 will be installed

--> Processing Dependency: perl(Pod::Text) >= 3.15 for package: perl-Pod-Usage-1.63-3.el7.noarch

--> Processing Dependency: perl-Pod-Perldoc for package: perl-Pod-Usage-1.63-3.el7.noarch

---> Package perl-Scalar-List-Utils.x86\_64 0:1.27-248.el7 will be installed

---> Package perl-Socket.x86\_64 0:2.010-5.el7 will be installed

---> Package perl-Storable.x86\_64 0:2.45-3.el7 will be installed

---> Package perl-Sys-CPU.x86\_64 0:0.54-4.el7 will be installed

---> Package perl-Sys-MemInfo.x86\_64 0:0.91-7.el7 will be installed

---> Package perl-Text-ParseWords.noarch 0:3.29-4.el7 will be installed

---> Package perl-Time-HiRes.x86\_64 4:1.9725-3.el7 will be installed

---> Package perl-Time-Local.noarch 0:1.2300-2.el7 will be installed

---> Package perl-constant.noarch 0:1.27-2.el7 will be installed

---> Package perl-macros.x86\_64 4:5.16.3-299.el7\_9 will be installed

---> Package perl-threads.x86\_64 0:1.87-4.el7 will be installed

---> Package perl-threads-shared.x86\_64 0:1.43-6.el7 will be installed

---> Package postgresql-libs.x86\_64 0:9.2.24-8.el7\_9 will be installed

---> Package vim-filesystem.x86\_64 2:7.4.629-8.el7\_9 will be installed

--> Running transaction check

---> Package perl-Encode.x86\_64 0:2.51-7.el7 will be installed

---> Package perl-IO-Compress.noarch 0:2.061-2.el7 will be installed

--> Processing Dependency: perl(Compress::Raw::Zlib) >= 2.061 for package: perl-IO-Compress-2.061-2.el7.noarch

--> Processing Dependency: perl(Compress::Raw::Bzip2) >= 2.061 for package: perl-IO-Compress-2.061-2.el7.noarch

---> Package perl-Net-Daemon.noarch 0:0.48-5.el7 will be installed

---> Package perl-Pod-Escapes.noarch 1:1.04-299.el7\_9 will be installed

---> Package perl-Pod-Perldoc.noarch 0:3.20-4.el7 will be installed

--> Processing Dependency: perl(parent) for package: perl-Pod-Perldoc-3.20-4.el7.noarch

--> Processing Dependency: perl(HTTP::Tiny) for package: perl-Pod-Perldoc-3.20-4.el7.noarch

---> Package perl-podlators.noarch 0:2.5.1-3.el7 will be installed

--> Running transaction check

---> Package perl-Compress-Raw-Bzip2.x86\_64 0:2.061-3.el7 will be installed

---> Package perl-Compress-Raw-Zlib.x86\_64 1:2.061-4.el7 will be installed

---> Package perl-HTTP-Tiny.noarch 0:0.033-3.el7 will be installed

---> Package perl-parent.noarch 1:0.225-244.el7 will be installed

--> Finished Dependency Resolution

Dependencies Resolved

=========================================================================================================

Package Arch Version Repository Size

=========================================================================================================

Installing:

bacula-client x86\_64 5.2.13-23.1.el7 base 101 k

bacula-console x86\_64 5.2.13-23.1.el7 base 37 k

bacula-director x86\_64 5.2.13-23.1.el7 base 307 k

bacula-storage x86\_64 5.2.13-23.1.el7 base 409 k

httpd x86\_64 2.4.6-99.el7.centos.1 updates 2.7 M

mariadb-server x86\_64 1:5.5.68-1.el7 base 11 M

vim-enhanced x86\_64 2:7.4.629-8.el7\_9 updates 1.1 M

Installing for dependencies:

apr x86\_64 1.4.8-7.el7 base 104 k

apr-util x86\_64 1.5.2-6.el7\_9.1 updates 92 k

bacula-common x86\_64 5.2.13-23.1.el7 base 97 k

bacula-libs x86\_64 5.2.13-23.1.el7 base 214 k

bacula-libs-sql x86\_64 5.2.13-23.1.el7 base 95 k

gpm-libs x86\_64 1.20.7-6.el7 base 32 k

httpd-tools x86\_64 2.4.6-99.el7.centos.1 updates 94 k

logwatch noarch 7.4.0-35.20130522svn140.el7\_5 base 403 k

mailcap noarch 2.1.41-2.el7 base 31 k

mailx x86\_64 12.5-19.el7 base 245 k

mariadb x86\_64 1:5.5.68-1.el7 base 8.8 M

mt-st x86\_64 1.1-14.el7 base 45 k

perl x86\_64 4:5.16.3-299.el7\_9 updates 8.0 M

perl-Carp noarch 1.26-244.el7 base 19 k

perl-Compress-Raw-Bzip2 x86\_64 2.061-3.el7 base 32 k

perl-Compress-Raw-Zlib x86\_64 1:2.061-4.el7 base 57 k

perl-DBD-MySQL x86\_64 4.023-6.el7 base 140 k

perl-DBI x86\_64 1.627-4.el7 base 802 k

perl-Data-Dumper x86\_64 2.145-3.el7 base 47 k

perl-Date-Manip noarch 6.41-2.el7 base 1.2 M

perl-Encode x86\_64 2.51-7.el7 base 1.5 M

perl-Exporter noarch 5.68-3.el7 base 28 k

perl-File-Path noarch 2.09-2.el7 base 26 k

perl-File-Temp noarch 0.23.01-3.el7 base 56 k

perl-Filter x86\_64 1.49-3.el7 base 76 k

perl-Getopt-Long noarch 2.40-3.el7 base 56 k

perl-HTTP-Tiny noarch 0.033-3.el7 base 38 k

perl-IO-Compress noarch 2.061-2.el7 base 260 k

perl-Net-Daemon noarch 0.48-5.el7 base 51 k

perl-PathTools x86\_64 3.40-5.el7 base 82 k

perl-PlRPC noarch 0.2020-14.el7 base 36 k

perl-Pod-Escapes noarch 1:1.04-299.el7\_9 updates 52 k

perl-Pod-Perldoc noarch 3.20-4.el7 base 87 k

perl-Pod-Simple noarch 1:3.28-4.el7 base 216 k

perl-Pod-Usage noarch 1.63-3.el7 base 27 k

perl-Scalar-List-Utils x86\_64 1.27-248.el7 base 36 k

perl-Socket x86\_64 2.010-5.el7 base 49 k

perl-Storable x86\_64 2.45-3.el7 base 77 k

perl-Sys-CPU x86\_64 0.54-4.el7 base 14 k

perl-Sys-MemInfo x86\_64 0.91-7.el7 base 15 k

perl-Text-ParseWords noarch 3.29-4.el7 base 14 k

perl-Time-HiRes x86\_64 4:1.9725-3.el7 base 45 k

perl-Time-Local noarch 1.2300-2.el7 base 24 k

perl-constant noarch 1.27-2.el7 base 19 k

perl-libs x86\_64 4:5.16.3-299.el7\_9 updates 690 k

perl-macros x86\_64 4:5.16.3-299.el7\_9 updates 44 k

perl-parent noarch 1:0.225-244.el7 base 12 k

perl-podlators noarch 2.5.1-3.el7 base 112 k

perl-threads x86\_64 1.87-4.el7 base 49 k

perl-threads-shared x86\_64 1.43-6.el7 base 39 k

postgresql-libs x86\_64 9.2.24-8.el7\_9 updates 235 k

vim-common x86\_64 2:7.4.629-8.el7\_9 updates 5.9 M

vim-filesystem x86\_64 2:7.4.629-8.el7\_9 updates 11 k

Transaction Summary

=========================================================================================================

Install 7 Packages (+53 Dependent packages)

Total download size: 46 M

Installed size: 199 M

Downloading packages:

warning: /var/cache/yum/x86\_64/7/updates/packages/apr-util-1.5.2-6.el7\_9.1.x86\_64.rpm: Header V3 RSA/SHA256 Signature, key ID f4a80eb5: NOKEY

Public key for apr-util-1.5.2-6.el7\_9.1.x86\_64.rpm is not installed

(1/60): apr-util-1.5.2-6.el7\_9.1.x86\_64.rpm | 92 kB 00:00:00

Public key for apr-1.4.8-7.el7.x86\_64.rpm is not installed

(2/60): apr-1.4.8-7.el7.x86\_64.rpm | 104 kB 00:00:00

(3/60): bacula-common-5.2.13-23.1.el7.x86\_64.rpm | 97 kB 00:00:00

(4/60): bacula-client-5.2.13-23.1.el7.x86\_64.rpm | 101 kB 00:00:00

(5/60): bacula-console-5.2.13-23.1.el7.x86\_64.rpm | 37 kB 00:00:00

(6/60): bacula-libs-5.2.13-23.1.el7.x86\_64.rpm | 214 kB 00:00:00

(7/60): bacula-libs-sql-5.2.13-23.1.el7.x86\_64.rpm | 95 kB 00:00:00

(8/60): bacula-director-5.2.13-23.1.el7.x86\_64.rpm | 307 kB 00:00:00

(9/60): gpm-libs-1.20.7-6.el7.x86\_64.rpm | 32 kB 00:00:00

(10/60): bacula-storage-5.2.13-23.1.el7.x86\_64.rpm | 409 kB 00:00:00

(11/60): mailcap-2.1.41-2.el7.noarch.rpm | 31 kB 00:00:00

(12/60): httpd-tools-2.4.6-99.el7.centos.1.x86\_64.rpm | 94 kB 00:00:00

(13/60): mailx-12.5-19.el7.x86\_64.rpm | 245 kB 00:00:00

(14/60): logwatch-7.4.0-35.20130522svn140.el7\_5.noarch.rpm | 403 kB 00:00:00

(15/60): mariadb-server-5.5.68-1.el7.x86\_64.rpm | 11 MB 00:00:00

(16/60): mt-st-1.1-14.el7.x86\_64.rpm | 45 kB 00:00:00

(17/60): perl-Carp-1.26-244.el7.noarch.rpm | 19 kB 00:00:00

(18/60): perl-Compress-Raw-Bzip2-2.061-3.el7.x86\_64.rpm | 32 kB 00:00:00

(19/60): perl-Compress-Raw-Zlib-2.061-4.el7.x86\_64.rpm | 57 kB 00:00:00

(20/60): perl-DBD-MySQL-4.023-6.el7.x86\_64.rpm | 140 kB 00:00:00

(21/60): mariadb-5.5.68-1.el7.x86\_64.rpm | 8.8 MB 00:00:00

(22/60): perl-Data-Dumper-2.145-3.el7.x86\_64.rpm | 47 kB 00:00:00

(23/60): httpd-2.4.6-99.el7.centos.1.x86\_64.rpm | 2.7 MB 00:00:00

(24/60): perl-DBI-1.627-4.el7.x86\_64.rpm | 802 kB 00:00:00

(25/60): perl-Date-Manip-6.41-2.el7.noarch.rpm | 1.2 MB 00:00:00

(26/60): perl-Exporter-5.68-3.el7.noarch.rpm | 28 kB 00:00:00

(27/60): perl-File-Path-2.09-2.el7.noarch.rpm | 26 kB 00:00:00

(28/60): perl-Encode-2.51-7.el7.x86\_64.rpm | 1.5 MB 00:00:00

(29/60): perl-File-Temp-0.23.01-3.el7.noarch.rpm | 56 kB 00:00:00

(30/60): perl-Getopt-Long-2.40-3.el7.noarch.rpm | 56 kB 00:00:00

(31/60): perl-Filter-1.49-3.el7.x86\_64.rpm | 76 kB 00:00:00

(32/60): perl-HTTP-Tiny-0.033-3.el7.noarch.rpm | 38 kB 00:00:00

(33/60): perl-Net-Daemon-0.48-5.el7.noarch.rpm | 51 kB 00:00:00

(34/60): perl-PathTools-3.40-5.el7.x86\_64.rpm | 82 kB 00:00:00

(35/60): perl-PlRPC-0.2020-14.el7.noarch.rpm | 36 kB 00:00:00

(36/60): perl-IO-Compress-2.061-2.el7.noarch.rpm | 260 kB 00:00:00

(37/60): perl-Pod-Perldoc-3.20-4.el7.noarch.rpm | 87 kB 00:00:00

(38/60): perl-Pod-Usage-1.63-3.el7.noarch.rpm | 27 kB 00:00:00

(39/60): perl-Scalar-List-Utils-1.27-248.el7.x86\_64.rpm | 36 kB 00:00:00

(40/60): perl-Pod-Escapes-1.04-299.el7\_9.noarch.rpm | 52 kB 00:00:00

(41/60): perl-Socket-2.010-5.el7.x86\_64.rpm | 49 kB 00:00:00

(42/60): perl-Pod-Simple-3.28-4.el7.noarch.rpm | 216 kB 00:00:00

(43/60): perl-Sys-CPU-0.54-4.el7.x86\_64.rpm | 14 kB 00:00:00

(44/60): perl-Storable-2.45-3.el7.x86\_64.rpm | 77 kB 00:00:00

(45/60): perl-Sys-MemInfo-0.91-7.el7.x86\_64.rpm | 15 kB 00:00:00

(46/60): perl-Text-ParseWords-3.29-4.el7.noarch.rpm | 14 kB 00:00:00

(47/60): perl-Time-HiRes-1.9725-3.el7.x86\_64.rpm | 45 kB 00:00:00

(48/60): perl-Time-Local-1.2300-2.el7.noarch.rpm | 24 kB 00:00:00

(49/60): perl-constant-1.27-2.el7.noarch.rpm | 19 kB 00:00:00

(50/60): perl-libs-5.16.3-299.el7\_9.x86\_64.rpm | 690 kB 00:00:00

(51/60): perl-macros-5.16.3-299.el7\_9.x86\_64.rpm | 44 kB 00:00:00

(52/60): perl-parent-0.225-244.el7.noarch.rpm | 12 kB 00:00:00

(53/60): perl-threads-1.87-4.el7.x86\_64.rpm | 49 kB 00:00:00

(54/60): perl-podlators-2.5.1-3.el7.noarch.rpm | 112 kB 00:00:00

(55/60): perl-threads-shared-1.43-6.el7.x86\_64.rpm | 39 kB 00:00:00

(56/60): postgresql-libs-9.2.24-8.el7\_9.x86\_64.rpm | 235 kB 00:00:00

(57/60): perl-5.16.3-299.el7\_9.x86\_64.rpm | 8.0 MB 00:00:01

(58/60): vim-enhanced-7.4.629-8.el7\_9.x86\_64.rpm | 1.1 MB 00:00:00

(59/60): vim-filesystem-7.4.629-8.el7\_9.x86\_64.rpm | 11 kB 00:00:00

(60/60): vim-common-7.4.629-8.el7\_9.x86\_64.rpm | 5.9 MB 00:00:00

---------------------------------------------------------------------------------------------------------

Total 18 MB/s | 46 MB 00:00:02

Retrieving key from file:///etc/pki/rpm-gpg/RPM-GPG-KEY-CentOS-7

Importing GPG key 0xF4A80EB5:

Userid : "CentOS-7 Key (CentOS 7 Official Signing Key) <security@centos.org>"

Fingerprint: 6341 ab27 53d7 8a78 a7c2 7bb1 24c6 a8a7 f4a8 0eb5

Package : centos-release-7-9.2009.0.el7.centos.x86\_64 (@anaconda)

From : /etc/pki/rpm-gpg/RPM-GPG-KEY-CentOS-7

Running transaction check

Running transaction test

Transaction test succeeded

Running transaction

Installing : bacula-libs-5.2.13-23.1.el7.x86\_64 1/60

Installing : bacula-common-5.2.13-23.1.el7.x86\_64 2/60

Installing : apr-1.4.8-7.el7.x86\_64 3/60

Installing : apr-util-1.5.2-6.el7\_9.1.x86\_64 4/60

Installing : httpd-tools-2.4.6-99.el7.centos.1.x86\_64 5/60

Installing : 1:perl-parent-0.225-244.el7.noarch 6/60

Installing : perl-HTTP-Tiny-0.033-3.el7.noarch 7/60

Installing : perl-podlators-2.5.1-3.el7.noarch 8/60

Installing : perl-Pod-Perldoc-3.20-4.el7.noarch 9/60

Installing : 1:perl-Pod-Escapes-1.04-299.el7\_9.noarch 10/60

Installing : perl-Encode-2.51-7.el7.x86\_64 11/60

Installing : perl-Text-ParseWords-3.29-4.el7.noarch 12/60

Installing : perl-Pod-Usage-1.63-3.el7.noarch 13/60

Installing : 4:perl-macros-5.16.3-299.el7\_9.x86\_64 14/60

Installing : perl-threads-1.87-4.el7.x86\_64 15/60

Installing : perl-Exporter-5.68-3.el7.noarch 16/60

Installing : perl-Socket-2.010-5.el7.x86\_64 17/60

Installing : 4:perl-Time-HiRes-1.9725-3.el7.x86\_64 18/60

Installing : perl-threads-shared-1.43-6.el7.x86\_64 19/60

Installing : perl-PathTools-3.40-5.el7.x86\_64 20/60

Installing : perl-Scalar-List-Utils-1.27-248.el7.x86\_64 21/60

Installing : perl-Storable-2.45-3.el7.x86\_64 22/60

Installing : perl-Time-Local-1.2300-2.el7.noarch 23/60

Installing : 1:perl-Pod-Simple-3.28-4.el7.noarch 24/60

Installing : perl-constant-1.27-2.el7.noarch 25/60

Installing : perl-File-Temp-0.23.01-3.el7.noarch 26/60

Installing : perl-File-Path-2.09-2.el7.noarch 27/60

Installing : perl-Filter-1.49-3.el7.x86\_64 28/60

Installing : perl-Carp-1.26-244.el7.noarch 29/60

Installing : 4:perl-libs-5.16.3-299.el7\_9.x86\_64 30/60

Installing : perl-Getopt-Long-2.40-3.el7.noarch 31/60

Installing : 4:perl-5.16.3-299.el7\_9.x86\_64 32/60

Installing : perl-Data-Dumper-2.145-3.el7.x86\_64 33/60

Installing : 1:perl-Compress-Raw-Zlib-2.061-4.el7.x86\_64 34/60

Installing : perl-Sys-MemInfo-0.91-7.el7.x86\_64 35/60

Installing : perl-Net-Daemon-0.48-5.el7.noarch 36/60

Installing : perl-Date-Manip-6.41-2.el7.noarch 37/60

Installing : perl-Compress-Raw-Bzip2-2.061-3.el7.x86\_64 38/60

Installing : perl-IO-Compress-2.061-2.el7.noarch 39/60

Installing : perl-PlRPC-0.2020-14.el7.noarch 40/60

Installing : perl-DBI-1.627-4.el7.x86\_64 41/60

Installing : perl-DBD-MySQL-4.023-6.el7.x86\_64 42/60

Installing : 1:mariadb-5.5.68-1.el7.x86\_64 43/60

Installing : perl-Sys-CPU-0.54-4.el7.x86\_64 44/60

Installing : mailx-12.5-19.el7.x86\_64 45/60

Installing : logwatch-7.4.0-35.20130522svn140.el7\_5.noarch 46/60

Installing : gpm-libs-1.20.7-6.el7.x86\_64 47/60

Installing : postgresql-libs-9.2.24-8.el7\_9.x86\_64 48/60

Installing : bacula-libs-sql-5.2.13-23.1.el7.x86\_64 49/60

Installing : mailcap-2.1.41-2.el7.noarch 50/60

Installing : 2:vim-filesystem-7.4.629-8.el7\_9.x86\_64 51/60

Installing : 2:vim-common-7.4.629-8.el7\_9.x86\_64 52/60

Installing : mt-st-1.1-14.el7.x86\_64 53/60

Installing : bacula-storage-5.2.13-23.1.el7.x86\_64 54/60

Installing : 2:vim-enhanced-7.4.629-8.el7\_9.x86\_64 55/60

Installing : httpd-2.4.6-99.el7.centos.1.x86\_64 56/60

Installing : bacula-director-5.2.13-23.1.el7.x86\_64 57/60

Installing : 1:mariadb-server-5.5.68-1.el7.x86\_64 58/60

Installing : bacula-client-5.2.13-23.1.el7.x86\_64 59/60

Installing : bacula-console-5.2.13-23.1.el7.x86\_64 60/60

Verifying : perl-HTTP-Tiny-0.033-3.el7.noarch 1/60

Verifying : logwatch-7.4.0-35.20130522svn140.el7\_5.noarch 2/60

Verifying : bacula-libs-sql-5.2.13-23.1.el7.x86\_64 3/60

Verifying : 1:mariadb-server-5.5.68-1.el7.x86\_64 4/60

Verifying : perl-threads-shared-1.43-6.el7.x86\_64 5/60

Verifying : 2:vim-common-7.4.629-8.el7\_9.x86\_64 6/60

Verifying : perl-threads-1.87-4.el7.x86\_64 7/60

Verifying : perl-Exporter-5.68-3.el7.noarch 8/60

Verifying : httpd-2.4.6-99.el7.centos.1.x86\_64 9/60

Verifying : 2:vim-enhanced-7.4.629-8.el7\_9.x86\_64 10/60

Verifying : bacula-console-5.2.13-23.1.el7.x86\_64 11/60

Verifying : bacula-libs-5.2.13-23.1.el7.x86\_64 12/60

Verifying : perl-Socket-2.010-5.el7.x86\_64 13/60

Verifying : 1:perl-Compress-Raw-Zlib-2.061-4.el7.x86\_64 14/60

Verifying : perl-PathTools-3.40-5.el7.x86\_64 15/60

Verifying : perl-Sys-MemInfo-0.91-7.el7.x86\_64 16/60

Verifying : 1:perl-parent-0.225-244.el7.noarch 17/60

Verifying : 4:perl-macros-5.16.3-299.el7\_9.x86\_64 18/60

Verifying : perl-Net-Daemon-0.48-5.el7.noarch 19/60

Verifying : mt-st-1.1-14.el7.x86\_64 20/60

Verifying : bacula-common-5.2.13-23.1.el7.x86\_64 21/60

Verifying : apr-util-1.5.2-6.el7\_9.1.x86\_64 22/60

Verifying : apr-1.4.8-7.el7.x86\_64 23/60

Verifying : 2:vim-filesystem-7.4.629-8.el7\_9.x86\_64 24/60

Verifying : perl-File-Temp-0.23.01-3.el7.noarch 25/60

Verifying : 1:perl-Pod-Simple-3.28-4.el7.noarch 26/60

Verifying : bacula-client-5.2.13-23.1.el7.x86\_64 27/60

Verifying : perl-Time-Local-1.2300-2.el7.noarch 28/60

Verifying : 1:perl-Pod-Escapes-1.04-299.el7\_9.noarch 29/60

Verifying : perl-Pod-Perldoc-3.20-4.el7.noarch 30/60

Verifying : perl-DBI-1.627-4.el7.x86\_64 31/60

Verifying : mailcap-2.1.41-2.el7.noarch 32/60

Verifying : perl-Date-Manip-6.41-2.el7.noarch 33/60

Verifying : postgresql-libs-9.2.24-8.el7\_9.x86\_64 34/60

Verifying : bacula-director-5.2.13-23.1.el7.x86\_64 35/60

Verifying : perl-Data-Dumper-2.145-3.el7.x86\_64 36/60

Verifying : perl-Compress-Raw-Bzip2-2.061-3.el7.x86\_64 37/60

Verifying : 4:perl-Time-HiRes-1.9725-3.el7.x86\_64 38/60

Verifying : perl-Scalar-List-Utils-1.27-248.el7.x86\_64 39/60

Verifying : bacula-storage-5.2.13-23.1.el7.x86\_64 40/60

Verifying : perl-IO-Compress-2.061-2.el7.noarch 41/60

Verifying : perl-Pod-Usage-1.63-3.el7.noarch 42/60

Verifying : perl-PlRPC-0.2020-14.el7.noarch 43/60

Verifying : perl-Encode-2.51-7.el7.x86\_64 44/60

Verifying : perl-Storable-2.45-3.el7.x86\_64 45/60

Verifying : httpd-tools-2.4.6-99.el7.centos.1.x86\_64 46/60

Verifying : perl-podlators-2.5.1-3.el7.noarch 47/60

Verifying : perl-constant-1.27-2.el7.noarch 48/60

Verifying : 4:perl-5.16.3-299.el7\_9.x86\_64 49/60

Verifying : perl-File-Path-2.09-2.el7.noarch 50/60

Verifying : perl-DBD-MySQL-4.023-6.el7.x86\_64 51/60

Verifying : 1:mariadb-5.5.68-1.el7.x86\_64 52/60

Verifying : gpm-libs-1.20.7-6.el7.x86\_64 53/60

Verifying : perl-Filter-1.49-3.el7.x86\_64 54/60

Verifying : perl-Getopt-Long-2.40-3.el7.noarch 55/60

Verifying : perl-Text-ParseWords-3.29-4.el7.noarch 56/60

Verifying : perl-Carp-1.26-244.el7.noarch 57/60

Verifying : mailx-12.5-19.el7.x86\_64 58/60

Verifying : 4:perl-libs-5.16.3-299.el7\_9.x86\_64 59/60

Verifying : perl-Sys-CPU-0.54-4.el7.x86\_64 60/60

Installed:

bacula-client.x86\_64 0:5.2.13-23.1.el7 bacula-console.x86\_64 0:5.2.13-23.1.el7

bacula-director.x86\_64 0:5.2.13-23.1.el7 bacula-storage.x86\_64 0:5.2.13-23.1.el7

httpd.x86\_64 0:2.4.6-99.el7.centos.1 mariadb-server.x86\_64 1:5.5.68-1.el7

vim-enhanced.x86\_64 2:7.4.629-8.el7\_9

Dependency Installed:

apr.x86\_64 0:1.4.8-7.el7 apr-util.x86\_64 0:1.5.2-6.el7\_9.1

bacula-common.x86\_64 0:5.2.13-23.1.el7 bacula-libs.x86\_64 0:5.2.13-23.1.el7

bacula-libs-sql.x86\_64 0:5.2.13-23.1.el7 gpm-libs.x86\_64 0:1.20.7-6.el7

httpd-tools.x86\_64 0:2.4.6-99.el7.centos.1 logwatch.noarch 0:7.4.0-35.20130522svn140.el7\_5

mailcap.noarch 0:2.1.41-2.el7 mailx.x86\_64 0:12.5-19.el7

mariadb.x86\_64 1:5.5.68-1.el7 mt-st.x86\_64 0:1.1-14.el7

perl.x86\_64 4:5.16.3-299.el7\_9 perl-Carp.noarch 0:1.26-244.el7

perl-Compress-Raw-Bzip2.x86\_64 0:2.061-3.el7 perl-Compress-Raw-Zlib.x86\_64 1:2.061-4.el7

perl-DBD-MySQL.x86\_64 0:4.023-6.el7 perl-DBI.x86\_64 0:1.627-4.el7

perl-Data-Dumper.x86\_64 0:2.145-3.el7 perl-Date-Manip.noarch 0:6.41-2.el7

perl-Encode.x86\_64 0:2.51-7.el7 perl-Exporter.noarch 0:5.68-3.el7

perl-File-Path.noarch 0:2.09-2.el7 perl-File-Temp.noarch 0:0.23.01-3.el7

perl-Filter.x86\_64 0:1.49-3.el7 perl-Getopt-Long.noarch 0:2.40-3.el7

perl-HTTP-Tiny.noarch 0:0.033-3.el7 perl-IO-Compress.noarch 0:2.061-2.el7

perl-Net-Daemon.noarch 0:0.48-5.el7 perl-PathTools.x86\_64 0:3.40-5.el7

perl-PlRPC.noarch 0:0.2020-14.el7 perl-Pod-Escapes.noarch 1:1.04-299.el7\_9

perl-Pod-Perldoc.noarch 0:3.20-4.el7 perl-Pod-Simple.noarch 1:3.28-4.el7

perl-Pod-Usage.noarch 0:1.63-3.el7 perl-Scalar-List-Utils.x86\_64 0:1.27-248.el7

perl-Socket.x86\_64 0:2.010-5.el7 perl-Storable.x86\_64 0:2.45-3.el7

perl-Sys-CPU.x86\_64 0:0.54-4.el7 perl-Sys-MemInfo.x86\_64 0:0.91-7.el7

perl-Text-ParseWords.noarch 0:3.29-4.el7 perl-Time-HiRes.x86\_64 4:1.9725-3.el7

perl-Time-Local.noarch 0:1.2300-2.el7 perl-constant.noarch 0:1.27-2.el7

perl-libs.x86\_64 4:5.16.3-299.el7\_9 perl-macros.x86\_64 4:5.16.3-299.el7\_9

perl-parent.noarch 1:0.225-244.el7 perl-podlators.noarch 0:2.5.1-3.el7

perl-threads.x86\_64 0:1.87-4.el7 perl-threads-shared.x86\_64 0:1.43-6.el7

postgresql-libs.x86\_64 0:9.2.24-8.el7\_9 vim-common.x86\_64 2:7.4.629-8.el7\_9

vim-filesystem.x86\_64 2:7.4.629-8.el7\_9

Complete!

[root@bacula-server ~]# systemctl enable mariadb && systemctl start mariadb && systemctl status mariadb

Created symlink from /etc/systemd/system/multi-user.target.wants/mariadb.service to /usr/lib/systemd/system/mariadb.service.

? mariadb.service - MariaDB database server

Loaded: loaded (/usr/lib/systemd/system/mariadb.service; enabled; vendor preset: disabled)

Active: active (running) since Sat 2023-07-22 22:33:42 IST; 5ms ago

Process: 1824 ExecStartPost=/usr/libexec/mariadb-wait-ready $MAINPID (code=exited, status=0/SUCCESS)

Process: 1739 ExecStartPre=/usr/libexec/mariadb-prepare-db-dir %n (code=exited, status=0/SUCCESS)

Main PID: 1822 (mysqld\_safe)

CGroup: /system.slice/mariadb.service

+-1822 /bin/sh /usr/bin/mysqld\_safe --basedir=/usr

+-1987 /usr/libexec/mysqld --basedir=/usr --datadir=/var/lib/mysql --plugin-dir=/usr/lib64/...

Jul 22 22:33:40 bacula-server mariadb-prepare-db-dir[1739]: MySQL manual for more instructions.

Jul 22 22:33:40 bacula-server mariadb-prepare-db-dir[1739]: Please report any problems at http://mar...ra

Jul 22 22:33:40 bacula-server mariadb-prepare-db-dir[1739]: The latest information about MariaDB is .../.

Jul 22 22:33:40 bacula-server mariadb-prepare-db-dir[1739]: You can find additional information abou...t:

Jul 22 22:33:40 bacula-server mariadb-prepare-db-dir[1739]: http://dev.mysql.com

Jul 22 22:33:40 bacula-server mariadb-prepare-db-dir[1739]: Consider joining MariaDB's strong and vi...y:

Jul 22 22:33:40 bacula-server mariadb-prepare-db-dir[1739]: https://mariadb.org/get-involved/

Jul 22 22:33:40 bacula-server mysqld\_safe[1822]: 230722 22:33:40 mysqld\_safe Logging to '/var/log/m...g'.

Jul 22 22:33:40 bacula-server mysqld\_safe[1822]: 230722 22:33:40 mysqld\_safe Starting mysqld daemon...sql

Jul 22 22:33:42 bacula-server systemd[1]: Started MariaDB database server.

Hint: Some lines were ellipsized, use -l to show in full.

[root@bacula-server ~]# /usr/libexec/bacula/grant\_mysql\_privileges

Host User Password Select\_priv Insert\_priv Update\_priv Delete\_priv Create\_priv Drop\_priv Reload\_priv Shutdown\_priv Process\_priv File\_priv Grant\_priv References\_priv Index\_priv Alter\_priv Show\_db\_priv Super\_priv Create\_tmp\_table\_priv Lock\_tables\_priv Execute\_priv Repl\_slave\_priv Repl\_client\_priv Create\_view\_priv Show\_view\_priv Create\_routine\_priv Alter\_routine\_priv Create\_user\_priv Event\_priv Trigger\_priv Create\_tablespace\_priv ssl\_type ssl\_cipher x509\_issuer x509\_subject max\_questions max\_updates max\_connections max\_user\_connections plugin authentication\_string

localhost root Y Y Y Y Y Y Y Y Y YY Y Y Y Y Y Y Y Y Y Y Y Y YY Y Y Y Y 0 0 0 0

bacula-server root Y Y Y Y Y Y Y Y Y YY Y Y Y Y Y Y Y Y Y Y Y Y YY Y Y Y Y 0 0 0 0

127.0.0.1 root Y Y Y Y Y Y Y Y Y YY Y Y Y Y Y Y Y Y Y Y Y Y YY Y Y Y Y 0 0 0 0

::1 root Y Y Y Y Y Y Y Y Y Y YY Y Y Y Y Y Y Y Y Y Y Y Y YY Y Y Y 0 0 0 0

localhost N N N N N N N N N NN N N N N N N N N N N N N NN N N N N 0 0 0 0

bacula-server N N N N N N N N N NN N N N N N N N N N N N N NN N N N N 0 0 0 0

localhost bacula N N N N N N N N N NN N N N N N N N N N N N N NN N N N N 0 0 0 0

% bacula N N N N N N N N N N NN N N N N N N N N N N N N NN N N N 0 0 0 0

Privileges for user bacula granted on database bacula.

[root@bacula-server ~]# /usr/libexec/bacula/create\_mysql\_database -u root

Creation of bacula database succeeded.

[root@bacula-server ~]# /usr/libexec/bacula/make\_mysql\_tables -u bacula

Creation of Bacula MySQL tables succeeded.

[root@bacula-server ~]# mysql\_secure\_installation

NOTE: RUNNING ALL PARTS OF THIS SCRIPT IS RECOMMENDED FOR ALL MariaDB

SERVERS IN PRODUCTION USE! PLEASE READ EACH STEP CAREFULLY!

In order to log into MariaDB to secure it, we'll need the current

password for the root user. If you've just installed MariaDB, and

you haven't set the root password yet, the password will be blank,

so you should just press enter here.

Enter current password for root (enter for none):

ERROR 1045 (28000): Access denied for user 'root'@'localhost' (using password: YES)

Enter current password for root (enter for none):

OK, successfully used password, moving on...

Setting the root password ensures that nobody can log into the MariaDB

root user without the proper authorisation.

Set root password? [Y/n] n

... skipping.

By default, a MariaDB installation has an anonymous user, allowing anyone

to log into MariaDB without having to have a user account created for

them. This is intended only for testing, and to make the installation

go a bit smoother. You should remove them before moving into a

production environment.

Remove anonymous users? [Y/n] n

... skipping.

Normally, root should only be allowed to connect from 'localhost'. This

ensures that someone cannot guess at the root password from the network.

Disallow root login remotely? [Y/n] n

... skipping.

By default, MariaDB comes with a database named 'test' that anyone can

access. This is also intended only for testing, and should be removed

before moving into a production environment.

Remove test database and access to it? [Y/n] n

... skipping.

Reloading the privilege tables will ensure that all changes made so far

will take effect immediately.

Reload privilege tables now? [Y/n] n

... skipping.

Cleaning up...

All done! If you've completed all of the above steps, your MariaDB

installation should now be secure.

Thanks for using MariaDB!

[root@bacula-server ~]# alternatives --config libbaccats.so

There are 3 programs which provide 'libbaccats.so'.

Selection Command

-----------------------------------------------

1 /usr/lib64/libbaccats-mysql.so

2 /usr/lib64/libbaccats-sqlite3.so

\*+ 3 /usr/lib64/libbaccats-postgresql.so

Enter to keep the current selection[+], or type selection number: 1

[root@bacula-server ~]# mkdir -p /bacula/backup /bacula/restore

[root@bacula-server ~]# chown -R bacula:bacula /bacula

[root@bacula-server ~]# chmod -R 700 /bacula

[root@bacula-server ~]# vim /etc/bacula/bacula-dir.conf

[root@bacula-server ~]# mysql\_secure\_installation

NOTE: RUNNING ALL PARTS OF THIS SCRIPT IS RECOMMENDED FOR ALL MariaDB

SERVERS IN PRODUCTION USE! PLEASE READ EACH STEP CAREFULLY!

In order to log into MariaDB to secure it, we'll need the current

password for the root user. If you've just installed MariaDB, and

you haven't set the root password yet, the password will be blank,

so you should just press enter here.

Enter current password for root (enter for none):

ERROR 1045 (28000): Access denied for user 'root'@'localhost' (using password: YES)

Enter current password for root (enter for none):

ERROR 1045 (28000): Access denied for user 'root'@'localhost' (using password: YES)

Enter current password for root (enter for none):

ERROR 1045 (28000): Access denied for user 'root'@'localhost' (using password: YES)

Enter current password for root (enter for none):

OK, successfully used password, moving on...

Setting the root password ensures that nobody can log into the MariaDB

root user without the proper authorisation.

Set root password? [Y/n] y

New password:

Re-enter new password:

Password updated successfully!

Reloading privilege tables..

... Success!

By default, a MariaDB installation has an anonymous user, allowing anyone

to log into MariaDB without having to have a user account created for

them. This is intended only for testing, and to make the installation

go a bit smoother. You should remove them before moving into a

production environment.

Remove anonymous users? [Y/n] n

... skipping.

Normally, root should only be allowed to connect from 'localhost'. This

ensures that someone cannot guess at the root password from the network.

Disallow root login remotely? [Y/n] n

... skipping.

By default, MariaDB comes with a database named 'test' that anyone can

#

# Default Bacula Director Configuration file

#

# The only thing that MUST be changed is to add one or more

# file or directory names in the Include directive of the

# FileSet resource.

#

# For Bacula release 5.2.13 (19 February 2013) -- redhat (Core)

#

# You might also want to change the default email address

# from root to your address. See the "mail" and "operator"

# directives in the Messages resource.

#

Director { # define myself

Name = bacula-dir

DIRport = 9101 # where we listen for UA connections

QueryFile = "/etc/bacula/query.sql"

WorkingDirectory = "/var/spool/bacula"

PidDirectory = "/var/run"

Maximum Concurrent Jobs = 1

Password = "cdac" # Console password

Messages = Daemon

DirAddress = 127.0.0.1 #DIR address

}

JobDefs {

Network error: Software caused connection abort

Type = Backup

---------------------------------------------------------------------------------------------------------

Client = bacula-fd

Session stoppedll Set"

- Press <Return> to exit tab

- Press R to restart session

- Press S to save terminal output to file

Pool = File

Priority = 10

Write Bootstrap = "/var/spool/bacula/%c.bsr"

}

#

# Define the main nightly save backup job

# By default, this job will back up to disk in /tmp

Job {

Name = "BackupClient1"

JobDefs = "DefaultJob"

}

#Job {

# Name = "BackupClient2"

# Client = bacula2-fd

# JobDefs = "DefaultJob"

#}

# Backup the catalog database (after the nightly save)

Job {

-- INSERT -- 27,2 Top

login as: root

root@192.168.15.158's password:

+----------------------------------------------------------------------+

¦ • MobaXterm Personal Edition v23.0 • ¦

¦ (SSH client, X server and network tools) ¦

¦ ¦

¦ ? SSH session to root@192.168.15.158 ¦

¦ • Direct SSH : ? ¦

¦ • SSH compression : ? ¦

¦ • SSH-browser : ? ¦

¦ • X11-forwarding : ? (disabled or not supported by server) ¦

¦ ¦

¦ ? For more info, ctrl+click on help or visit our website. ¦

+----------------------------------------------------------------------+

Last login: Sat Jul 22 22:30:45 2023 from 192.168.15.1

[root@bacula-server ~]# mysql\_secure\_installation

NOTE: RUNNING ALL PARTS OF THIS SCRIPT IS RECOMMENDED FOR ALL MariaDB

SERVERS IN PRODUCTION USE! PLEASE READ EACH STEP CAREFULLY!

In order to log into MariaDB to secure it, we'll need the current

password for the root user. If you've just installed MariaDB, and

you haven't set the root password yet, the password will be blank,

so you should just press enter here.

Enter current password for root (enter for none):

Cleaning up...

[root@bacula-server ~]# mysql\_secure\_installation

NOTE: RUNNING ALL PARTS OF THIS SCRIPT IS RECOMMENDED FOR ALL MariaDB

SERVERS IN PRODUCTION USE! PLEASE READ EACH STEP CAREFULLY!

In order to log into MariaDB to secure it, we'll need the current

password for the root user. If you've just installed MariaDB, and

you haven't set the root password yet, the password will be blank,

so you should just press enter here.

Enter current password for root (enter for none):

ERROR 1045 (28000): Access denied for user 'root'@'localhost' (using password: NO)

Enter current password for root (enter for none):

OK, successfully used password, moving on...

Setting the root password ensures that nobody can log into the MariaDB

root user without the proper authorisation.

You already have a root password set, so you can safely answer 'n'.

Change the root password? [Y/n] y

New password:

Re-enter new password:

Password updated successfully!

Reloading privilege tables..

... Success!

By default, a MariaDB installation has an anonymous user, allowing anyone

to log into MariaDB without having to have a user account created for

them. This is intended only for testing, and to make the installation

go a bit smoother. You should remove them before moving into a

production environment.

Remove anonymous users? [Y/n] y

... Success!

Normally, root should only be allowed to connect from 'localhost'. This

ensures that someone cannot guess at the root password from the network.

Disallow root login remotely? [Y/n] y

... Success!

By default, MariaDB comes with a database named 'test' that anyone can

access. This is also intended only for testing, and should be removed

before moving into a production environment.

Remove test database and access to it? [Y/n] y

- Dropping test database...

... Success!

- Removing privileges on test database...

... Success!

Reloading the privilege tables will ensure that all changes made so far

will take effect immediately.

Reload privilege tables now? [Y/n] y

... Success!

Cleaning up...

All done! If you've completed all of the above steps, your MariaDB

installation should now be secure.

Thanks for using MariaDB!

[root@bacula-server ~]# alternatives --config libbaccats.so

There are 3 programs which provide 'libbaccats.so'.

Selection Command

-----------------------------------------------

+ 1 /usr/lib64/libbaccats-mysql.so

2 /usr/lib64/libbaccats-sqlite3.so

\* 3 /usr/lib64/libbaccats-postgresql.so

Enter to keep the current selection[+], or type selection number: 1

[root@bacula-server ~]# vim /etc/bacula/bacula-dir.conf

[root@bacula-server ~]# bacula-dir -tc /etc/bacula/bacula-dir.conf

[root@bacula-server ~]# vim /etc/bacula/bacula-sd.conf

[root@bacula-server ~]# cat /etc/bacula/bacula-dir.conf

#

# Default Bacula Director Configuration file

#

# The only thing that MUST be changed is to add one or more

# file or directory names in the Include directive of the

# FileSet resource.

#

# For Bacula release 5.2.13 (19 February 2013) -- redhat (Core)

#

# You might also want to change the default email address

# from root to your address. See the "mail" and "operator"

# directives in the Messages resource.

#

Director { # define myself

Name = bacula-dir

DIRport = 9101 # where we listen for UA connections

QueryFile = "/etc/bacula/query.sql"

WorkingDirectory = "/var/spool/bacula"

PidDirectory = "/var/run"

Maximum Concurrent Jobs = 1

Password = "cdac" # Console password

Messages = Daemon

DirAddress = 127.0.0.1 #DIR address

}

JobDefs {

Name = "DefaultJob"

Type = Backup

Level = Incremental

Client = bacula-fd

FileSet = "Full Set"

Schedule = "WeeklyCycle"

Storage = File

Messages = Standard

Pool = File

Priority = 10

Write Bootstrap = "/var/spool/bacula/%c.bsr"

}

#

# Define the main nightly save backup job

# By default, this job will back up to disk in /tmp

Job {

Name = "BackupLocalfiles"

JobDefs = "DefaultJob"

}

#Job {

# Name = "BackupClient2"

# Client = bacula2-fd

# JobDefs = "DefaultJob"

#}

# Backup the catalog database (after the nightly save)

Job {

Name = "BackupCatalog"

JobDefs = "DefaultJob"

Level = Full

FileSet="Catalog"

Schedule = "WeeklyCycleAfterBackup"

# This creates an ASCII copy of the catalog

# Arguments to make\_catalog\_backup.pl are:

# make\_catalog\_backup.pl <catalog-name>

RunBeforeJob = "/usr/libexec/bacula/make\_catalog\_backup.pl MyCatalog"

# This deletes the copy of the catalog

RunAfterJob = "/usr/libexec/bacula/delete\_catalog\_backup"

Write Bootstrap = "/var/spool/bacula/%n.bsr"

Priority = 11 # run after main backup

}

#

# Standard Restore template, to be changed by Console program

# Only one such job is needed for all Jobs/Clients/Storage ...

#

Job {

Name = "RestoreLocalFiles"

Type = Restore

Client=bacula-fd

FileSet="Full Set"

Storage = File

Pool = Default

Messages = Standard

Where = /bacula/restore

}

# List of files to be backed up

FileSet {

Name = "Full Set"

Include {

Options {

signature = MD5

compression = GZIP

}

#

# Put your list of files here, preceded by 'File =', one per line

# or include an external list with:

#

# File = <file-name

#

# Note: / backs up everything on the root partition.

# if you have other partitions such as /usr or /home

# you will probably want to add them too.

#

# By default this is defined to point to the Bacula binary

# directory to give a reasonable FileSet to backup to

# disk storage during initial testing.

#

File = /var/www/html

}

#

# If you backup the root directory, the following two excluded

# files can be useful

#

Exclude {

File = /var/spool/bacula

File = /tmp

File = /proc

File = /tmp

File = /.journal

File = /.fsck

File = /bacula

}

}

#

# When to do the backups, full backup on first sunday of the month,

# differential (i.e. incremental since full) every other sunday,

# and incremental backups other days

Schedule {

Name = "WeeklyCycle"

Run = Full 1st sun at 23:05

Run = Differential 2nd-5th sun at 23:05

Run = Incremental mon-sat at 23:05

}

# This schedule does the catalog. It starts after the WeeklyCycle

Schedule {

Name = "WeeklyCycleAfterBackup"

Run = Full sun-sat at 23:10

}

# This is the backup of the catalog

FileSet {

Name = "Catalog"

Include {

Options {

signature = MD5

}

File = "/var/spool/bacula/bacula.sql"

}

}

# Client (File Services) to backup

Client {

Name = bacula-fd

Address = localhost

FDPort = 9102

Catalog = MyCatalog

Password = "@@FD\_PASSWORD@@" # password for FileDaemon

File Retention = 30 days # 30 days

Job Retention = 6 months # six months

AutoPrune = yes # Prune expired Jobs/Files

}

#

# Second Client (File Services) to backup

# You should change Name, Address, and Password before using

#

#Client {

# Name = bacula2-fd

# Address = localhost2

# FDPort = 9102

# Catalog = MyCatalog

# Password = "@@FD\_PASSWORD@@2" # password for FileDaemon 2

# File Retention = 30 days # 30 days

# Job Retention = 6 months # six months

# AutoPrune = yes # Prune expired Jobs/Files

#}

# Definition of file storage device

Storage {

Name = File

# Do not use "localhost" here

Address = localhost # N.B. Use a fully qualified name here

SDPort = 9103

Password = "@@SD\_PASSWORD@@"

Device = FileStorage

Media Type = File

}

# Definition of DDS tape storage device

#Storage {

# Name = DDS-4

# Do not use "localhost" here

# Address = localhost # N.B. Use a fully qualified name here

# SDPort = 9103

# Password = "@@SD\_PASSWORD@@" # password for Storage daemon

# Device = DDS-4 # must be same as Device in Storage daemon

# Media Type = DDS-4 # must be same as MediaType in Storage daemon

# Autochanger = yes # enable for autochanger device

#}

# Definition of 8mm tape storage device

#Storage {

# Name = "8mmDrive"

# Do not use "localhost" here

# Address = localhost # N.B. Use a fully qualified name here

# SDPort = 9103

# Password = "@@SD\_PASSWORD@@"

# Device = "Exabyte 8mm"

# MediaType = "8mm"

#}

# Definition of DVD storage device

#Storage {

# Name = "DVD"

# Do not use "localhost" here

# Address = localhost # N.B. Use a fully qualified name here

# SDPort = 9103

# Password = "@@SD\_PASSWORD@@"

# Device = "DVD Writer"

# MediaType = "DVD"

#}

# Generic catalog service

Catalog {

Name = MyCatalog

# Uncomment the following line if you want the dbi driver

# dbdriver = "dbi:postgresql"; dbaddress = 127.0.0.1; dbport =

dbname = "bacula"; dbuser = "root"; dbpassword = "cdac"

}

# Reasonable message delivery -- send most everything to email address

# and to the console

Messages {

Name = Standard

#

# NOTE! If you send to two email or more email addresses, you will need

# to replace the %r in the from field (-f part) with a single valid

# email address in both the mailcommand and the operatorcommand.

# What this does is, it sets the email address that emails would display

# in the FROM field, which is by default the same email as they're being

# sent to. However, if you send email to more than one address, then

# you'll have to set the FROM address manually, to a single address.

# for example, a 'no-reply@mydomain.com', is better since that tends to

# tell (most) people that its coming from an automated source.

#

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@localhost = all, !skipped

operator = root@localhost = mount

console = all, !skipped, !saved

#

# WARNING! the following will create a file that you must cycle from

# time to time as it will grow indefinitely. However, it will

# also keep all your messages if they scroll off the console.

#

append = "/var/log/bacula/bacula.log" = all, !skipped

catalog = all

}

#

# Message delivery for daemon messages (no job).

Messages {

Name = Daemon

mailcommand = "/usr/sbin/bsmtp -h localhost -f \"\(Bacula\) \<%r\>\" -s \"Bacula daemon message\" %r"

mail = root@localhost = all, !skipped

console = all, !skipped, !saved

append = "/var/log/bacula/bacula.log" = all, !skipped

}

# Default pool definition

Pool {

Name = Default

Pool Type = Backup

Recycle = yes # Bacula can automatically recycle Volumes

AutoPrune = yes # Prune expired volumes

Volume Retention = 365 days # one year

}

# File Pool definition

Pool {

Name = File

Pool Type = Backup

Label Format = Local-

Recycle = yes # Bacula can automatically recycle Volumes

AutoPrune = yes # Prune expired volumes

Volume Retention = 365 days # one year

Maximum Volume Bytes = 10G # Limit Volume size to something reasonable

Maximum Volumes = 100 # Limit number of Volumes in Pool

}

# Scratch pool definition

Pool {

Name = Scratch

Pool Type = Backup

}

#

# Restricted console used by tray-monitor to get the status of the director

#

Console {

Name = bacula-mon

Password = "@@MON\_DIR\_PASSWORD@@"

CommandACL = status, .status

}

[root@bacula-server ~]# cat /etc/bacula/bacula-sd.conf

#

# Default Bacula Storage Daemon Configuration file

#

# For Bacula release 5.2.13 (19 February 2013) -- redhat (Core)

#

# You may need to change the name of your tape drive

# on the "Archive Device" directive in the Device

# resource. If you change the Name and/or the

# "Media Type" in the Device resource, please ensure

# that dird.conf has corresponding changes.

#

Storage { # definition of myself

Name = bacula-sd

SDPort = 9103 # Director's port

WorkingDirectory = "/var/spool/bacula"

Pid Directory = "/var/run"

Maximum Concurrent Jobs = 20

SDAddress = bacula-server

}

#

# List Directors who are permitted to contact Storage daemon

#

Director {

Name = bacula-dir

Password = "@@SD\_PASSWORD@@"

}

#

# Restricted Director, used by tray-monitor to get the

# status of the storage daemon

#

Director {

Name = bacula-mon

Password = "@@MON\_SD\_PASSWORD@@"

Monitor = yes

}

#

# Note, for a list of additional Device templates please

# see the directory <bacula-source>/examples/devices

# Or follow the following link:

# http://bacula.svn.sourceforge.net/viewvc/bacula/trunk/bacula/examples/devices/

#

#

# Devices supported by this Storage daemon

# To connect, the Director's bacula-dir.conf must have the

# same Name and MediaType.

#

Device {

Name = FileStorage

Media Type = File

Archive Device = /bacula/backup

LabelMedia = yes; # lets Bacula label unlabeled media

Random Access = Yes;

AutomaticMount = yes; # when device opened, read it

RemovableMedia = no;

AlwaysOpen = no;

}

#

# An autochanger device with two drives

#

#Autochanger {

# Name = Autochanger

# Device = Drive-1

# Device = Drive-2

# Changer Command = "/usr/libexec/bacula/mtx-changer %c %o %S %a %d"

# Changer Device = /dev/sg0

#}

#Device {

# Name = Drive-1 #

# Drive Index = 0

# Media Type = DLT-8000

# Archive Device = /dev/nst0

# AutomaticMount = yes; # when device opened, read it

# AlwaysOpen = yes;

# RemovableMedia = yes;

# RandomAccess = no;

# AutoChanger = yes

# #

# # Enable the Alert command only if you have the mtx package loaded

# # Note, apparently on some systems, tapeinfo resets the SCSI controller

# # thus if you turn this on, make sure it does not reset your SCSI

# # controller. I have never had any problems, and smartctl does

# # not seem to cause such problems.

# #

# Alert Command = "sh -c 'tapeinfo -f %c |grep TapeAlert|cat'"

# If you have smartctl, enable this, it has more info than tapeinfo

# Alert Command = "sh -c 'smartctl -H -l error %c'"

#}

#Device {

# Name = Drive-2 #

# Drive Index = 1

# Media Type = DLT-8000

# Archive Device = /dev/nst1

# AutomaticMount = yes; # when device opened, read it

# AlwaysOpen = yes;

# RemovableMedia = yes;

# RandomAccess = no;

# AutoChanger = yes

# # Enable the Alert command only if you have the mtx package loaded

# Alert Command = "sh -c 'tapeinfo -f %c |grep TapeAlert|cat'"

# If you have smartctl, enable this, it has more info than tapeinfo

# Alert Command = "sh -c 'smartctl -H -l error %c'"

#}

#

# A Linux or Solaris LTO-2 tape drive

#

#Device {

# Name = LTO-2

# Media Type = LTO-2

# Archive Device = /dev/nst0

# AutomaticMount = yes; # when device opened, read it

# AlwaysOpen = yes;

# RemovableMedia = yes;

# RandomAccess = no;

# Maximum File Size = 3GB

## Changer Command = "/usr/libexec/bacula/mtx-changer %c %o %S %a %d"

## Changer Device = /dev/sg0

## AutoChanger = yes

# # Enable the Alert command only if you have the mtx package loaded

## Alert Command = "sh -c 'tapeinfo -f %c |grep TapeAlert|cat'"

## If you have smartctl, enable this, it has more info than tapeinfo

## Alert Command = "sh -c 'smartctl -H -l error %c'"

#}

#

# A Linux or Solaris LTO-3 tape drive

#

#Device {

# Name = LTO-3

# Media Type = LTO-3

# Archive Device = /dev/nst0

# AutomaticMount = yes; # when device opened, read it

# AlwaysOpen = yes;

# RemovableMedia = yes;

# RandomAccess = no;

# Maximum File Size = 4GB

## Changer Command = "/usr/libexec/bacula/mtx-changer %c %o %S %a %d"

## Changer Device = /dev/sg0

## AutoChanger = yes

# # Enable the Alert command only if you have the mtx package loaded

## Alert Command = "sh -c 'tapeinfo -f %c |grep TapeAlert|cat'"

## If you have smartctl, enable this, it has more info than tapeinfo

## Alert Command = "sh -c 'smartctl -H -l error %c'"

#}

#

# A Linux or Solaris LTO-4 tape drive

#

#Device {

# Name = LTO-4

# Media Type = LTO-4

# Archive Device = /dev/nst0

# AutomaticMount = yes; # when device opened, read it

# AlwaysOpen = yes;

# RemovableMedia = yes;

# RandomAccess = no;

# Maximum File Size = 5GB

## Changer Command = "/usr/libexec/bacula/mtx-changer %c %o %S %a %d"

## Changer Device = /dev/sg0

## AutoChanger = yes

# # Enable the Alert command only if you have the mtx package loaded

## Alert Command = "sh -c 'tapeinfo -f %c |grep TapeAlert|cat'"

## If you have smartctl, enable this, it has more info than tapeinfo

## Alert Command = "sh -c 'smartctl -H -l error %c'"

#}

#

# A FreeBSD tape drive

#

#Device {

# Name = DDS-4

# Description = "DDS-4 for FreeBSD"

# Media Type = DDS-4

# Archive Device = /dev/nsa1

# AutomaticMount = yes; # when device opened, read it

# AlwaysOpen = yes

# Offline On Unmount = no

# Hardware End of Medium = no

# BSF at EOM = yes

# Backward Space Record = no

# Fast Forward Space File = no

# TWO EOF = yes

# If you have smartctl, enable this, it has more info than tapeinfo

# Alert Command = "sh -c 'smartctl -H -l error %c'"

#}

#

# Send all messages to the Director,

# mount messages also are sent to the email address

#

Messages {

Name = Standard

director = bacula-dir = all

}

[root@bacula-server ~]# bacula-sd -tc /etc/bacula/bacula-sd.conf

[root@bacula-server ~]# systemctl enable bacula-dir && systemctl start bacula-dir && systemctl status bacula-dir

Created symlink from /etc/systemd/system/multi-user.target.wants/bacula-dir.service to /usr/lib/systemd/system/bacula-dir.service.

? bacula-dir.service - Bacula-Director, the Backup-server

Loaded: loaded (/usr/lib/systemd/system/bacula-dir.service; enabled; vendor preset: disabled)

Active: active (running) since Sat 2023-07-22 23:12:04 IST; 7ms ago

Docs: man:bacula-dir(8)

Main PID: 2428 (bacula-dir)

CGroup: /system.slice/bacula-dir.service

+-2428 /usr/sbin/bacula-dir -f -c /etc/bacula/bacula-dir.conf -u bacula -g bacula

Jul 22 23:12:04 bacula-server systemd[1]: Started Bacula-Director, the Backup-server.

[root@bacula-server ~]# systemctl enable bacula-sd && systemctl start bacula-sd && systemctl status bacula-sd

Created symlink from /etc/systemd/system/multi-user.target.wants/bacula-sd.service to /usr/lib/systemd/system/bacula-sd.service.

? bacula-sd.service - Bacula-StorageDaemon, the storage-server

Loaded: loaded (/usr/lib/systemd/system/bacula-sd.service; enabled; vendor preset: disabled)

Active: active (running) since Sat 2023-07-22 23:12:14 IST; 6ms ago

Docs: man:bacula-sd(8)

Main PID: 2459 (bacula-sd)

CGroup: /system.slice/bacula-sd.service

+-2459 /usr/sbin/bacula-sd -f -c /etc/bacula/bacula-sd.conf -u bacula -g tape

Jul 22 23:12:14 bacula-server systemd[1]: Started Bacula-StorageDaemon, the storage-server.

[root@bacula-server ~]# systemctl enable bacula-fd && systemctl start bacula-fd && systemctl status bacula-fd

Created symlink from /etc/systemd/system/multi-user.target.wants/bacula-fd.service to /usr/lib/systemd/system/bacula-fd.service.

? bacula-fd.service - Bacula-FileDaemon, a Backup-client

Loaded: loaded (/usr/lib/systemd/system/bacula-fd.service; enabled; vendor preset: disabled)

Active: active (running) since Sat 2023-07-22 23:12:23 IST; 7ms ago

Docs: man:bacula-fd(8)

Main PID: 2488 (bacula-fd)

CGroup: /system.slice/bacula-fd.service

+-2488 /usr/sbin/bacula-fd -f -c /etc/bacula/bacula-fd.conf -u root -g root

Jul 22 23:12:23 bacula-server systemd[1]: Started Bacula-FileDaemon, a Backup-client.

[root@bacula-server ~]# vim /etc/bacula/bconsole.conf

[root@bacula-server ~]# cat /etc/bacula/bconsole.conf

#

# Bacula User Agent (or Console) Configuration File

#

Director {

Name = bacula-dir

DIRport = 9101

address = localhost

Password = "cdac"

}

[root@bacula-server ~]# bconsole

Connecting to Director localhost:9101

1000 OK: bacula-dir Version: 5.2.13 (19 February 2013)

Enter a period to cancel a command.

\*label

Automatically selected Catalog: MyCatalog

Using Catalog "MyCatalog"

Automatically selected Storage: File

Enter new Volume name: demo

Defined Pools:

1: Default

2: File

3: Scratch

Select the Pool (1-3): 1

Connecting to Storage daemon File at localhost:9103 ...

^C

[root@bacula-server ~]# bconsole

Connecting to Director localhost:9101

1000 OK: bacula-dir Version: 5.2.13 (19 February 2013)

Enter a period to cancel a command.

\*label

Automatically selected Catalog: MyCatalog

Using Catalog "MyCatalog"

Automatically selected Storage: File

Enter new Volume name: demo

Defined Pools:

1: Default

2: File

3: Scratch

Select the Pool (1-3): 1

Connecting to Storage daemon File at localhost:9103 ... 🡪 (if this error come check the port)

^C

[root@bacula-server ~]# bconsole

Connecting to Director localhost:9101

1000 OK: bacula-dir Version: 5.2.13 (19 February 2013)

Enter a period to cancel a command.

\*run

Automatically selected Catalog: MyCatalog

Using Catalog "MyCatalog"

A job name must be specified.

The defined Job resources are:

1: BackupLocalfiles

2: BackupCatalog

3: RestoreLocalFiles

Select Job resource (1-3): 1

Run Backup job

JobName: BackupLocalfiles

Level: Incremental

Client: bacula-fd

FileSet: Full Set

Pool: File (From Job resource)

Storage: File (From Job resource)

When: 2023-07-22 23:22:32

Priority: 10

OK to run? (yes/mod/no): yes

Job queued. JobId=1

You have messages.

\*

[root@bacula-server ~]# cd /etc/bacula/

[root@bacula-server bacula]# vim bacula-fd.conf

[root@bacula-server bacula]# vim bacula-sd.conf

[root@bacula-server bacula]# cd

[root@bacula-server ~]# bconsole

Connecting to Director localhost:9101

1000 OK: bacula-dir Version: 5.2.13 (19 February 2013)

Enter a period to cancel a command.

\*label

Automatically selected Catalog: MyCatalog

Using Catalog "MyCatalog"

Automatically selected Storage: File

Enter new Volume name: demo1

Defined Pools:

1: Default

2: File

3: Scratch

Select the Pool (1-3): 1

Connecting to Storage daemon File at localhost:9103 ...

^C

[root@bacula-server ~]# vim /etc/ba

bacula/ bash\_completion.d/ bashrc

[root@bacula-server ~]# vim /etc/bacula/bacula-dir.conf

[root@bacula-server ~]# cat /etc/hosts

127.0.0.1 localhost localhost.localdomain localhost4 localhost4.localdomain4

::1 localhost localhost.localdomain localhost6 localhost6.localdomain6

192.168.15.158 bacula-server

[root@bacula-server ~]# vim /etc/bacula/bacula-dir.conf

[root@bacula-server ~]# cat /etc/hosts

127.0.0.1 localhost localhost.localdomain localhost4 localhost4.localdomain4

::1 localhost localhost.localdomain localhost6 localhost6.localdomain6

192.168.15.158 bacula-server

[root@bacula-server ~]# vim /etc/hosts

[root@bacula-server ~]# vim /etc/bacula/bacula-dir.conf

[root@bacula-server ~]# vim /etc/bacula/bacula-sd.conf

[root@bacula-server ~]# vim /etc/bacula/bacula-sd.conf

[root@bacula-server ~]#

[root@bacula-server ~]#

[root@bacula-server ~]#

[root@bacula-server ~]# systemctl restart bacula-sd

[root@bacula-server ~]# systemctl restart bacula-dir

[root@bacula-server ~]#

[root@bacula-server ~]#

[root@bacula-server ~]#

[root@bacula-server ~]# systemctl status bacula-dir

? bacula-dir.service - Bacula-Director, the Backup-server

Loaded: loaded (/usr/lib/systemd/system/bacula-dir.service; enabled; vendor preset: disabled)

Active: active (running) since Sat 2023-07-22 23:34:19 IST; 28s ago

Docs: man:bacula-dir(8)

Main PID: 13098 (bacula-dir)

CGroup: /system.slice/bacula-dir.service

+-13098 /usr/sbin/bacula-dir -f -c /etc/bacula/bacula-dir.conf -u bacula -g bacula

Jul 22 23:34:19 bacula-server systemd[1]: Started Bacula-Director, the Backup-server.

[root@bacula-server ~]# bconsole

Connecting to Director localhost:9101

1000 OK: bacula-dir Version: 5.2.13 (19 February 2013)

Enter a period to cancel a command.

\*label

Automatically selected Catalog: MyCatalog

Using Catalog "MyCatalog"

Automatically selected Storage: File

Enter new Volume name: test

Defined Pools:

1: Default

2: File

3: Scratch

Select the Pool (1-3): 1

Connecting to Storage daemon File at backup.hpcsa.com:9102 ...

Failed to connect to Storage daemon.

Do not forget to mount the drive!!!

You have messages.

\*

[root@bacula-server ~]#

[root@bacula-server ~]#

[root@bacula-server ~]# yum install net-tools

Loaded plugins: fastestmirror

Loading mirror speeds from cached hostfile

\* base: centos.mirror.net.in

\* extras: centos.mirror.net.in

\* updates: centos.mirror.net.in

Resolving Dependencies

--> Running transaction check

---> Package net-tools.x86\_64 0:2.0-0.25.20131004git.el7 will be installed

--> Finished Dependency Resolution

Dependencies Resolved

=========================================================================================================

Package Arch Version

=========================================================================================================

Installing:

net-tools x86\_64 2.0-0.25.20

Transaction Summary

=========================================================================================================

Install 1 Package

Total download size: 306 k

Installed size: 917 k

Is this ok [y/d/N]: y

Downloading packages:

net-tools-2.0-0.25.20131004git.el7.x86\_64.rpm

Running transaction check

Running transaction test

Transaction test succeeded

Running transaction

Installing : net-tools-2.0-0.25.20131004git.el7.x86\_64

Verifying : net-tools-2.0-0.25.20131004git.el7.x86\_64

Installed:

net-tools.x86\_64 0:2.0-0.25.20131004git.el7

Complete!

[root@bacula-server ~]# netstat -atpn | grep 9102

tcp 0 0 0.0.0.0:9102 0.0.0.0:\* LISTEN 2488/bacula-fd

You have mail in /var/spool/mail/root

[root@bacula-server ~]# systemctl status firewalld

? firewalld.service - firewalld - dynamic firewall daemon

Loaded: loaded (/usr/lib/systemd/system/firewalld.service; disabled; vendor preset: enabled)

Active: inactive (dead)

Docs: man:firewalld(1)

[root@bacula-server ~]# ping backup.hpcsa.com

PING bacula-server (192.168.15.158) 56(84) bytes of data.

64 bytes from bacula-server (192.168.15.158): icmp\_seq=1 ttl=64 time=0.011 ms

64 bytes from bacula-server (192.168.15.158): icmp\_seq=2 ttl=64 time=0.056 ms

^C

--- bacula-server ping statistics ---

2 packets transmitted, 2 received, 0% packet loss, time 1001ms

rtt min/avg/max/mdev = 0.011/0.033/0.056/0.023 ms

[root@bacula-server ~]# ip a

1: lo: <LOOPBACK,UP,LOWER\_UP> mtu 65536 qdisc noqueue state UNKNOWN group default qlen 1000

link/loopback 00:00:00:00:00:00 brd 00:00:00:00:00:00

inet 127.0.0.1/8 scope host lo

valid\_lft forever preferred\_lft forever

inet6 ::1/128 scope host

valid\_lft forever preferred\_lft forever

2: ens33: <BROADCAST,MULTICAST,UP,LOWER\_UP> mtu 1500 qdisc pfifo\_fast state UP group default qlen 1000

link/ether 00:0c:29:7f:db:f8 brd ff:ff:ff:ff:ff:ff

inet 192.168.15.158/24 brd 192.168.15.255 scope global dynamic ens33

valid\_lft 1194sec preferred\_lft 1194sec

[root@bacula-server ~]# setenforce 0

setenforce: SELinux is disabled

[root@bacula-server ~]# vim /etc/bacula/bacula-dir.conf

[root@bacula-server ~]# vim /etc/bacula/bacula-dir.conf

[root@bacula-server ~]# systemctl restart bacula-dir

[root@bacula-server ~]# systemctl restart bacula-sd

[root@bacula-server ~]# bconsole

Connecting to Director localhost:9101

1000 OK: bacula-dir Version: 5.2.13 (19 February 2013)

Enter a period to cancel a command.

\*label

Automatically selected Catalog: MyCatalog

Using Catalog "MyCatalog"

Automatically selected Storage: File

Enter new Volume name: demo2

Defined Pools:

1: Default

2: File

3: Scratch

Select the Pool (1-3): 1

Connecting to Storage daemon File at backup.hpcsa.com:9102 ...

Failed to connect to Storage daemon.

Do not forget to mount the drive!!!

You have messages.

\*

[root@bacula-server ~]# vim /etc/bacula/bacula-dir.conf

[root@bacula-server ~]# systemctl restart bacula-dir

[root@bacula-server ~]# vim /etc/bacula/bacula-sd.conf

You have new mail in /var/spool/mail/root

[root@bacula-server ~]# systemctl restart bacula-dir

[root@bacula-server ~]# systemctl restart bacula-sd

[root@bacula-server ~]# bconsole

Connecting to Director localhost:9101

1000 OK: bacula-dir Version: 5.2.13 (19 February 2013)

Enter a period to cancel a command.

\*label

Automatically selected Catalog: MyCatalog

Using Catalog "MyCatalog"

Automatically selected Storage: File

Enter new Volume name: denoo

Defined Pools:

1: Default

2: File

3: Scratch

Select the Pool (1-3): 1

Connecting to Storage daemon File at backup.hpcsa.com:9103 ...

Sending label command for Volume "denoo" Slot 0 ...

3000 OK label. VolBytes=200 DVD=0 Volume="denoo" Device="FileStorage" (/bacula/backup)

Catalog record for Volume "denoo", Slot 0 successfully created.

Requesting to mount FileStorage ...

3906 File device ""FileStorage" (/bacula/backup)" is always mounted.

You have messages.

\*

[root@bacula-server ~]# cat /etc/bacula/bacula-sd.conf

#

# Default Bacula Storage Daemon Configuration file

#

# For Bacula release 5.2.13 (19 February 2013) -- redhat (Core)

#

# You may need to change the name of your tape drive

# on the "Archive Device" directive in the Device

# resource. If you change the Name and/or the

# "Media Type" in the Device resource, please ensure

# that dird.conf has corresponding changes.

#

Storage { # definition of myself

Name = bacula-sd

SDPort = 9103 # Director's port

WorkingDirectory = "/var/spool/bacula"

Pid Directory = "/var/run"

Maximum Concurrent Jobs = 20

SDAddress = backup.hpcsa.com

}

#

# List Directors who are permitted to contact Storage daemon

#

Director {

Name = bacula-dir

Password = "@@SD\_PASSWORD@@"

}

#

# Restricted Director, used by tray-monitor to get the

# status of the storage daemon

#

Director {

Name = bacula-mon

Password = "@@MON\_SD\_PASSWORD@@"

Monitor = yes

}

#

# Note, for a list of additional Device templates please

# see the directory <bacula-source>/examples/devices

# Or follow the following link:

# http://bacula.svn.sourceforge.net/viewvc/bacula/trunk/bacula/examples/devices/

#

#

# Devices supported by this Storage daemon

# To connect, the Director's bacula-dir.conf must have the

# same Name and MediaType.

#

Device {

Name = FileStorage

Media Type = File

Archive Device = /bacula/backup

LabelMedia = yes; # lets Bacula label unlabeled media

Random Access = Yes;

AutomaticMount = yes; # when device opened, read it

RemovableMedia = no;

AlwaysOpen = no;

}

#

# An autochanger device with two drives

#

#Autochanger {

# Name = Autochanger

# Device = Drive-1

# Device = Drive-2

# Changer Command = "/usr/libexec/bacula/mtx-changer %c %o %S %a %d"

# Changer Device = /dev/sg0

#}

#Device {

# Name = Drive-1 #

# Drive Index = 0

# Media Type = DLT-8000

# Archive Device = /dev/nst0

# AutomaticMount = yes; # when device opened, read it

# AlwaysOpen = yes;

# RemovableMedia = yes;

# RandomAccess = no;

# AutoChanger = yes

# #

# # Enable the Alert command only if you have the mtx package loaded

# # Note, apparently on some systems, tapeinfo resets the SCSI controller

# # thus if you turn this on, make sure it does not reset your SCSI

# # controller. I have never had any problems, and smartctl does

# # not seem to cause such problems.

# #

# Alert Command = "sh -c 'tapeinfo -f %c |grep TapeAlert|cat'"

# If you have smartctl, enable this, it has more info than tapeinfo

# Alert Command = "sh -c 'smartctl -H -l error %c'"

#}

#Device {

# Name = Drive-2 #

# Drive Index = 1

# Media Type = DLT-8000

# Archive Device = /dev/nst1

# AutomaticMount = yes; # when device opened, read it

# AlwaysOpen = yes;

# RemovableMedia = yes;

# RandomAccess = no;

# AutoChanger = yes

# # Enable the Alert command only if you have the mtx package loaded

# Alert Command = "sh -c 'tapeinfo -f %c |grep TapeAlert|cat'"

# If you have smartctl, enable this, it has more info than tapeinfo

# Alert Command = "sh -c 'smartctl -H -l error %c'"

#}

#

# A Linux or Solaris LTO-2 tape drive

#

#Device {

# Name = LTO-2

# Media Type = LTO-2

# Archive Device = /dev/nst0

# AutomaticMount = yes; # when device opened, read it

# AlwaysOpen = yes;

# RemovableMedia = yes;

# RandomAccess = no;

# Maximum File Size = 3GB

## Changer Command = "/usr/libexec/bacula/mtx-changer %c %o %S %a %d"

## Changer Device = /dev/sg0

## AutoChanger = yes

# # Enable the Alert command only if you have the mtx package loaded

## Alert Command = "sh -c 'tapeinfo -f %c |grep TapeAlert|cat'"

## If you have smartctl, enable this, it has more info than tapeinfo

## Alert Command = "sh -c 'smartctl -H -l error %c'"

#}

#

# A Linux or Solaris LTO-4 tape drive

#

#Device {

# Name = LTO-3

# Media Type = LTO-3

# Archive Device = /dev/nst0

# AutomaticMount = yes; # when device opened, read it

# AlwaysOpen = yes;

# RemovableMedia = yes;

# RandomAccess = no;

# Maximum File Size = 4GB

## Changer Command = "/usr/libexec/bacula/mtx-changer %c %o %S %a %d"

## Changer Device = /dev/sg0

## AutoChanger = yes

# # Enable the Alert command only if you have the mtx package loaded

## Alert Command = "sh -c 'tapeinfo -f %c |grep TapeAlert|cat'"

## If you have smartctl, enable this, it has more info than tapeinfo

## Alert Command = "sh -c 'smartctl -H -l error %c'"

#}

#

# A Linux or Solaris LTO-4 tape drive

#

#Device {

# Name = LTO-4

# Media Type = LTO-4

# Archive Device = /dev/nst0

# AutomaticMount = yes; # when device opened, read it

# AlwaysOpen = yes;

# RemovableMedia = yes;

# RandomAccess = no;

# Maximum File Size = 5GB

## Changer Command = "/usr/libexec/bacula/mtx-changer %c %o %S %a %d"

## Changer Device = /dev/sg0

## AutoChanger = yes

# # Enable the Alert command only if you have the mtx package loaded

## Alert Command = "sh -c 'tapeinfo -f %c |grep TapeAlert|cat'"

## If you have smartctl, enable this, it has more info than tapeinfo

## Alert Command = "sh -c 'smartctl -H -l error %c'"

#}

#

# A FreeBSD tape drive

#

#Device {

# Name = DDS-4

# Description = "DDS-4 for FreeBSD"

# Media Type = DDS-4

# Archive Device = /dev/nsa1

# AutomaticMount = yes; # when device opened, read it

# AlwaysOpen = yes

# Offline On Unmount = no

# Hardware End of Medium = no

# BSF at EOM = yes

# Backward Space Record = no

# Fast Forward Space File = no

# TWO EOF = yes

# If you have smartctl, enable this, it has more info than tapeinfo

# Alert Command = "sh -c 'smartctl -H -l error %c'"

#}

#

# Send all messages to the Director,

# mount messages also are sent to the email address

#

Messages {

Name = Standard

director = bacula-dir = all

}

[root@bacula-server ~]#

[root@bacula-server ~]# history

1 hostnamectl set-hostname bacula-server

2

3 systemctl stop firewalld

4 systemctl disable firewalld

5 vi /etc/selinux/config

6 init 6

7 mysql\_secure\_installation

8 alternatives --config libbaccats.so

9 vim /etc/bacula/bacula-dir.conf

10 bacula-dir -tc /etc/bacula/bacula-dir.conf

11 vim /etc/bacula/bacula-sd.conf

12 cat /etc/bacula/bacula-dir.conf

13 cat /etc/bacula/bacula-sd.conf

14 bacula-sd -tc /etc/bacula/bacula-sd.conf

15 systemctl enable bacula-dir && systemctl start bacula-dir && systemctl status bacula-dir

16 systemctl enable bacula-sd && systemctl start bacula-sd && systemctl status bacula-sd

17 systemctl enable bacula-fd && systemctl start bacula-fd && systemctl status bacula-fd

18 vim /etc/bacula/bconsole.conf

19 cat /etc/bacula/bconsole.conf

20 bconsole

21 cd /etc/bacula/

22 vim bacula-fd.conf

23 vim bacula-sd.conf

24 cd

25 bconsole

26 vim /etc/bacula/bacula-dir.conf

27 cat /etc/hosts

28 vim /etc/bacula/bacula-dir.conf

29 cat /etc/hosts

30 vim /etc/hosts

31 vim /etc/bacula/bacula-dir.conf

32 vim /etc/bacula/bacula-sd.conf

33 systemctl restart bacula-sd

34 systemctl restart bacula-dir

35 systemctl status bacula-dir

36 bconsole

37 yum install net-tools

38 netstat -atpn | grep 9102

39 systemctl status firewalld

40 ping backup.hpcsa.com

41 ip a

42 setenforce 0

43 vim /etc/bacula/bacula-dir.conf

44 systemctl restart bacula-dir

45 systemctl restart bacula-sd

46 bconsole

47 vim /etc/bacula/bacula-dir.conf

48 systemctl restart bacula-dir

49 vim /etc/bacula/bacula-sd.conf

50 systemctl restart bacula-dir

51 systemctl restart bacula-sd

52 bconsole

53 cat /etc/bacula/bacula-sd.conf

54 bconsole

55 cat /etc/hosts

56 history