

# ?? MariaDB 10.11 ?

## 1 MariaDB 10.11 ?????

MariaDB

10.11 LTS(Long Term Support)

2028 2

Rocky Linux 8

10 .3

MariaDB 10.11

10.11 (LTS)

1 year and 8 months ago  
(16 Feb 2023)

Ends in 3 years and 4 months  
(16 Feb 2028)

[10.11.9](#)  
(08 Aug 2024)

## 2 ?? MariaDB ???????

MariaDB repo

```
$ sudo yum module list mariadb
```

```
0:07:54 20241017 ( ) 145933
Rocky Linux 8 - AppStream
Name                Stream                Profiles
Summary
mariadb             10.3 [d]              client, galera, server [d]
MariaDB Module
mariadb             10.5                  client, galera, server [d]
MariaDB Module
mariadb             10.11                 client, galera, server [d]
MariaDB Module

[d][e][x][i]
```

MariaDB

```
$ sudo yum module reset mariadb -y
0:22:23 20241017 ( ) 145933

```

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MariaDB 

10.11 

```
$ sudo yum module enable mariadb:10.11 -y
```

0:24:31 2024年10月17日 (四) 14:59:33

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mariadb

10.11

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MariaDB ☐

repo

```
$ sudo yum module list mariadb
```

0:25:55 2024 10 17 ( ) 14 59 33

# Rocky Linux 8 - AppStream

Name	Stream	Profiles
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## Summary

mariadb	10.3 [d]	client, galera, server [d]
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## MariaDB Module

```
mariadb 10.5 client, galera, server [d]
```

## MariaDB Module

```
mariadb      10.11 [e]      client, galera, server [d]
```

## MariaDB Module

□□□□[d]□□□□[e]□□□□[x]□□□□[i]

10.11 

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### 3 ?? MariaDB 10.11 ??

[illegible]

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mariadb	x86_64	3:10.11.6-	
1.module+el8.10.0+1674+fa55eae9		appstream	7.3 M
mariadb-server	x86_64	3:10.11.6-	
1.module+el8.10.0+1674+fa55eae9		appstream	20 M

mariadb-common	x86_64	3:10.11.6-	
1.module+el8.10.0+1674+fa55eae9	appstream		68 k
mariadb-connector-c	x86_64	3.1.11-	
2.el8_3	appstream		199 k
mariadb-connector-c-config	noarch	3.1.11-	
2.el8_3	appstream		14 k
mariadb-errmsg	x86_64	3:10.11.6-	
1.module+el8.10.0+1674+fa55eae9	appstream		339 k
mysql-selinux	noarch	1.0.10-	
1.el8	appstream		37 k
perl-Carp	noarch	1.42-	
396.el8	baseos		29 k
perl-DBD-MySQL	x86_64	4.046-	
3.module+el8.9.0+1501+450eec3b	appstream		155 k
perl-DBI	x86_64	1.641-	
4.module+el8.9.0+1495+f278a004	appstream		739 k
perl-Data-Dumper	x86_64	2.167-	
399.el8	baseos		57 k
perl-Digest	noarch	1.17-	
395.el8	appstream		26 k
perl-Digest-MD5	x86_64	2.55-	
396.el8	appstream		36 k
perl-Encode	x86_64	4:2.97-	
3.el8	baseos		1.5 M
perl-Errno	x86_64	1.28-	

422.el8		baseos	75 k
perl-Exporter	noarch	5.72-	
396.el8		baseos	33 k
perl-File-Path	noarch	2.15-	
2.el8		baseos	37 k
perl-File-Temp	noarch	0.230.600-	
1.el8		baseos	62 k
perl-Getopt-Long	noarch	1:2.50-	
4.el8		baseos	62 k
perl-HTTP-Tiny	noarch	0.074-	
3.el8		baseos	58 k
perl-I0	x86_64	1.38-	
422.el8		baseos	141 k
perl-I0-Socket-IP	noarch	0.39-	
5.el8		appstream	46 k
perl-I0-Socket-SSL	noarch	2.066-	
4.module+el8.9.0+1517+e71a7a62		appstream	297 k
perl-MIME-Base64	x86_64	3.15-	
396.el8		baseos	30 k
perl-Math-BigInt	noarch	1:1.9998.11-	
7.el8		baseos	194 k
perl-Math-Complex	noarch	1.59-	
422.el8		baseos	108 k
perl-Mozilla-CA	noarch	20160104-	
7.module+el8.9.0+1521+0101edce		appstream	14 k
perl-Net-SSLeay	x86_64	1.88-	
2.module+el8.9.0+1517+e71a7a62		appstream	378 k
perl-PathTools	x86_64	3.74-	
1.el8		baseos	89 k
perl-Pod-Escapes	noarch	1:1.07-	
395.el8		baseos	19 k
perl-Pod-Perldoc	noarch	3.28-	
396.el8		baseos	85 k
perl-Pod-Simple	noarch	1:3.35-	
395.el8		baseos	212 k
perl-Pod-Usage	noarch	4:1.69-	
395.el8		baseos	33 k
perl-Scalar-List-Utills	x86_64	3:1.49-	
2.el8		baseos	67 k
perl-Socket	x86_64	4:2.027-	

3.el8	baseos	58 k
perl-Storable	x86_64 1:3.11-	
3.el8	baseos	97 k
perl-Term-ANSIColor	noarch 4.06-	
396.el8	baseos	45 k
perl-Term-Cap	noarch 1.17-	
395.el8	baseos	22 k
perl-Text-ParseWords	noarch 3.30-	
395.el8	baseos	17 k
perl-Text-Tabs+Wrap	noarch 2013.0523-	
395.el8	baseos	23 k
perl-Time-Local	noarch 1:1.280-	
1.el8	baseos	32 k
perl-URI	noarch 1.73-	
3.el8	appstream	115 k
perl-Unicode-Normalize	x86_64 1.25-	
396.el8	baseos	81 k
perl-constant	noarch 1.33-	
396.el8	baseos	24 k
perl-interpreter	x86_64 4:5.26.3-	
422.el8	baseos	6.3 M
perl-libnet	noarch 3.11-	
3.el8	appstream	120 k
perl-libs	x86_64 4:5.26.3-	
422.el8	baseos	1.6 M
perl-macros	x86_64 4:5.26.3-	
422.el8	baseos	71 k
perl-parent	noarch 1:0.237-	
1.el8	baseos	19 k
perl-podlators	noarch 4.11-	
1.el8	baseos	117 k
perl-threads	x86_64 1:2.21-	
2.el8	baseos	60 k
perl-threads-shared	x86_64 1.58-	
2.el8	baseos	47 k
□□□□□□□□:		
mariadb-backup	x86_64 3:10.11.6-	
1.module+el8.10.0+1674+fa55eae9	appstream	7.3 M
mariadb-gssapi-server	x86_64 3:10.11.6-	
1.module+el8.10.0+1674+fa55eae9	appstream	56 k

mariadb-server-utils x86\_64 3:10.11.6-  
1.module+el8.10.0+1674+fa55eae9 appstream 1.4 M

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perl	5.26
perl-DBD-MySQL	4.046
perl-DBI	1.641
perl-IO-Socket-SSL	2.066
perl-libwww-perl	6.34

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□□□□□□50 M

□□□□□□243 M

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(1/55): mariadb-common-10.11.6-1.module+el8.10.0+1674+fa55eae9.x86_64.rpm	188 kB/s
68 kB 00:00	
(2/55): mariadb-connector-c-3.1.11-2.el8_3.x86_64.rpm	854 kB/s
199 kB 00:00	
(3/55): mariadb-connector-c-config-3.1.11-2.el8_3.noarch.rpm	56 kB/s
14 kB 00:00	
(4/55): mariadb-errmsg-10.11.6-1.module+el8.10.0+1674+fa55eae9.x86_64.rpm	793 kB/s
339 kB 00:00	
(5/55): mariadb-10.11.6-1.module+el8.10.0+1674+fa55eae9.x86_64.rpm	4.3 MB/s
7.3 MB 00:01	
(6/55): mariadb-gssapi-server-10.11.6-1.module+el8.10.0+1674+fa55eae9.x86_64.rpm	127 kB/s
56 kB 00:00	
(7/55): mariadb-backup-10.11.6-1.module+el8.10.0+1674+fa55eae9.x86_64.rpm	3.7 MB/s
7.3 MB 00:01	
(8/55): mysql-selinux-1.0.10-1.el8.noarch.rpm	374 kB/s
37 kB 00:00	
(9/55): perl-DBD-MySQL-4.046-3.module+el8.9.0+1501+450eec3b.x86_64.rpm	1.4 MB/s
155 kB 00:00	
(10/55): perl-DBI-1.641-4.module+el8.9.0+1495+f278a004.x86_64.rpm	2.1 MB/s
739 kB 00:00	
(11/55): perl-Digest-1.17-395.el8.noarch.rpm	318 kB/s
26 kB 00:00	
(12/55): mariadb-server-utils-10.11.6-1.module+el8.10.0+1674+fa55eae9.x86_64.rpm	1.5 MB/s

1.4 MB	00:00	
(13/55): perl-Digest-MD5-2.55-396.el8.x86_64.rpm		395 kB/s
36 kB	00:00	
(14/55): perl-IO-Socket-IP-0.39-5.el8.noarch.rpm		446 kB/s
46 kB	00:00	
(15/55): perl-IO-Socket-SSL-2.066-4.module+el8.9.0+1517+e71a7a62.noarch.rpm		2.2 MB/s
297 kB	00:00	
(16/55): perl-Mozilla-CA-20160104-7.module+el8.9.0+1521+0101edce.noarch.rpm		143 kB/s
14 kB	00:00	
(17/55): perl-Net-SSLeay-1.88-2.module+el8.9.0+1517+e71a7a62.x86_64.rpm		2.7 MB/s
378 kB	00:00	
(18/55): perl-URI-1.73-3.el8.noarch.rpm		927 kB/s
115 kB	00:00	
(19/55): perl-libnet-3.11-3.el8.noarch.rpm		1.2 MB/s
120 kB	00:00	
(20/55): perl-Carp-1.42-396.el8.noarch.rpm		16 kB/s
29 kB	00:01	
(21/55): mariadb-server-10.11.6-1.module+el8.10.0+1674+fa55eae9.x86_64.rpm		6.1 MB/s
20 MB	00:03	
(22/55): perl-Data-Dumper-2.167-399.el8.x86_64.rpm		28 kB/s
57 kB	00:02	
(23/55): perl-Exporter-5.72-396.el8.noarch.rpm		34 kB/s
33 kB	00:00	
(24/55): perl-Errno-1.28-422.el8.x86_64.rpm		71 kB/s
75 kB	00:01	
(25/55): perl-Encode-2.97-3.el8.x86_64.rpm		1.0 MB/s
1.5 MB	00:01	
(26/55): perl-File-Temp-0.230.600-1.el8.noarch.rpm		108 kB/s
62 kB	00:00	
(27/55): perl-Getopt-Long-2.50-4.el8.noarch.rpm		118 kB/s
62 kB	00:00	
(28/55): perl-File-Path-2.15-2.el8.noarch.rpm		43 kB/s
37 kB	00:00	
(29/55): perl-IO-1.38-422.el8.x86_64.rpm		237 kB/s
141 kB	00:00	
(30/55): perl-MIME-Base64-3.15-396.el8.x86_64.rpm		62 kB/s
30 kB	00:00	
(31/55): perl-HTTP-Tiny-0.074-3.el8.noarch.rpm		59 kB/s
58 kB	00:00	
(32/55): perl-Math-Complex-1.59-422.el8.noarch.rpm		212 kB/s

108 kB	00:00	
(33/55): perl-Pod-Escapes-1.07-395.el8.noarch.rpm		44 kB/s
19 kB	00:00	
(34/55): perl-PathTools-3.74-1.el8.x86_64.rpm		101 kB/s
89 kB	00:00	
(35/55): perl-Math-BigInt-1.9998.11-7.el8.noarch.rpm		130 kB/s
194 kB	00:01	
(36/55): perl-Pod-Perldoc-3.28-396.el8.noarch.rpm		131 kB/s
85 kB	00:00	
(37/55): perl-Pod-Simple-3.35-395.el8.noarch.rpm		339 kB/s
212 kB	00:00	
(38/55): perl-Pod-Usage-1.69-395.el8.noarch.rpm		60 kB/s
33 kB	00:00	
(39/55): perl-Socket-2.027-3.el8.x86_64.rpm		85 kB/s
58 kB	00:00	
(40/55): perl-Storable-3.11-3.el8.x86_64.rpm		171 kB/s
97 kB	00:00	
(41/55): perl-Scalar-List-Utils-1.49-2.el8.x86_64.rpm		53 kB/s
67 kB	00:01	
(42/55): perl-Term-ANSIColor-4.06-396.el8.noarch.rpm		80 kB/s
45 kB	00:00	
(43/55): perl-Term-Cap-1.17-395.el8.noarch.rpm		40 kB/s
22 kB	00:00	
(44/55): perl-Text-ParseWords-3.30-395.el8.noarch.rpm		36 kB/s
17 kB	00:00	
(45/55): perl-Text-Tabs+Wrap-2013.0523-395.el8.noarch.rpm		49 kB/s
23 kB	00:00	
(46/55): perl-Time-Local-1.280-1.el8.noarch.rpm		64 kB/s
32 kB	00:00	
(47/55): perl-Unicode-Normalize-1.25-396.el8.x86_64.rpm		193 kB/s
81 kB	00:00	
(48/55): perl-constant-1.33-396.el8.noarch.rpm		58 kB/s
24 kB	00:00	
(49/55): perl-macros-5.26.3-422.el8.x86_64.rpm		121 kB/s
71 kB	00:00	
(50/55): perl-libs-5.26.3-422.el8.x86_64.rpm		1.1 MB/s
1.6 MB	00:01	
(51/55): perl-interpreter-5.26.3-422.el8.x86_64.rpm		3.6 MB/s
6.3 MB	00:01	
(52/55): perl-parent-0.237-1.el8.noarch.rpm		21 kB/s



```

| 19 kB      00:00
(53/55): perl-podlators-4.11-1.el8.noarch.rpm                      173 kB/s
| 117 kB      00:00
(54/55): perl-threads-shared-1.58-2.el8.x86_64.rpm                83 kB/s
| 47 kB      00:00
(55/55): perl-threads-2.21-2.el8.x86_64.rpm                      70 kB/s
| 60 kB      00:00
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███                                                    3.4 MB/s
| 50 MB      00:14
██████████
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██████████
███
:
1/1
██████ : mariadb-connector-c-config-3.1.11-
2.el8_3.noarch                                           1/55
██████ : mariadb-common-3:10.11.6-
1.module+el8.10.0+1674+fa55eae9.x86_64                2/55
██████ : mariadb-errmsg-3:10.11.6-
1.module+el8.10.0+1674+fa55eae9.x86_64                3/55
██████ : perl-Digest-1.17-
395.el8.noarch                                           4/55
██████ : perl-Digest-MD5-2.55-
396.el8.x86_64                                           5/55
██████ : perl-Data-Dumper-2.167-
399.el8.x86_64                                           6/55
██████ : perl-libnet-3.11-
3.el8.noarch                                             7/55
██████ : perl-URI-1.73-
3.el8.noarch                                             8/55
██████ : perl-Pod-Escapes-1:1.07-
395.el8.noarch                                           9/55
██████ : perl-Net-SSLeay-1.88-
2.module+el8.9.0+1517+e71a7a62.x86_64                10/55
██████ : perl-Mozilla-CA-20160104-

```

7.module+el8.9.0+1521+0101edce.noarch	11/55
perl-IO-Socket-IP-0.39-	
5.el8.noarch	12/55
perl-Time-Local-1:1.280-	
1.el8.noarch	13/55
perl-IO-Socket-SSL-2.066-	
4.module+el8.9.0+1517+e71a7a62.noarch	14/55
perl-Term-ANSIColor-4.06-	
396.el8.noarch	15/55
perl-Term-Cap-1.17-	
395.el8.noarch	16/55
perl-File-Temp-0.230.600-	
1.el8.noarch	17/55
perl-Pod-Simple-1:3.35-	
395.el8.noarch	18/55
perl-HTTP-Tiny-0.074-	
3.el8.noarch	19/55
perl-podlators-4.11-	
1.el8.noarch	20/55
perl-Pod-Perldoc-3.28-	
396.el8.noarch	21/55
perl-Text-ParseWords-3.30-	
395.el8.noarch	22/55
perl-Pod-Usage-4:1.69-	
395.el8.noarch	23/55
perl-MIME-Base64-3.15-	
396.el8.x86_64	24/55
perl-Storable-1:3.11-	
3.el8.x86_64	25/55
perl-Getopt-Long-1:2.50-	
4.el8.noarch	26/55
perl-Errno-1.28-	
422.el8.x86_64	27/55
perl-Socket-4:2.027-	
3.el8.x86_64	28/55
perl-Encode-4:2.97-	
3.el8.x86_64	29/55
perl-Carp-1.42-	
396.el8.noarch	30/55
perl-Exporter-5.72-	

396.el8.noarch	31/55
perl-lib-4:5.26.3-	
422.el8.x86_64	32/55
perl-Scalar-List-Utills-3:1.49-	
2.el8.x86_64	33/55
perl-parent-1:0.237-	
1.el8.noarch	34/55
perl-macros-4:5.26.3-	
422.el8.x86_64	35/55
perl-Text-Tabs+Wrap-2013.0523-	
395.el8.noarch	36/55
perl-Unicode-Normalize-1.25-	
396.el8.x86_64	37/55
perl-File-Path-2.15-	
2.el8.noarch	38/55
perl-IO-1.38-	
422.el8.x86_64	39/55
perl-PathTools-3.74-	
1.el8.x86_64	40/55
perl-constant-1.33-	
396.el8.noarch	41/55
perl-threads-1:2.21-	
2.el8.x86_64	42/55
perl-threads-shared-1.58-	
2.el8.x86_64	43/55
perl-interpreter-4:5.26.3-	
422.el8.x86_64	44/55
perl-Math-Complex-1.59-	
422.el8.noarch	45/55
perl-Math-BigInt-1:1.9998.11-	
7.el8.noarch	46/55
perl-DBI-1.641-	
4.module+el8.9.0+1495+f278a004.x86_64	47/55
mysql-selinux-1.0.10-	
1.el8.noarch	48/55
mysql-selinux-1.0.10-	
1.el8.noarch	48/55
mysql-selinux-1.0.10-	
1.el8.noarch	48/55
libsemanage.semanage_direct_install_info: Overriding mysql module at lower priority 100 with	

module at priority 200.

perl-DBD-MySQL-4.046-3.module+el8.9.0+1501+450eec3b.x86_64	49/55
mariadb-connector-c-3.1.11-2.el8_3.x86_64	50/55
mariadb-backup-3:10.11.6-1.module+el8.10.0+1674+fa55eae9.x86_64	51/55
mariadb-gssapi-server-3:10.11.6-1.module+el8.10.0+1674+fa55eae9.x86_64	52/55
mariadb-server-utils-3:10.11.6-1.module+el8.10.0+1674+fa55eae9.x86_64	53/55
mariadb-server-3:10.11.6-1.module+el8.10.0+1674+fa55eae9.x86_64	54/55
mariadb-server-3:10.11.6-1.module+el8.10.0+1674+fa55eae9.x86_64	54/55
mariadb-server-3:10.11.6-1.module+el8.10.0+1674+fa55eae9.x86_64	54/55
mariadb-3:10.11.6-1.module+el8.10.0+1674+fa55eae9.x86_64	55/55
mysql-selinux-1.0.10-1.el8.noarch	55/55
mariadb-3:10.11.6-1.module+el8.10.0+1674+fa55eae9.x86_64	55/55
mariadb-3:10.11.6-1.module+el8.10.0+1674+fa55eae9.x86_64	1/55
mariadb-backup-3:10.11.6-1.module+el8.10.0+1674+fa55eae9.x86_64	2/55
mariadb-common-3:10.11.6-1.module+el8.10.0+1674+fa55eae9.x86_64	3/55
mariadb-connector-c-3.1.11-2.el8_3.x86_64	4/55
mariadb-connector-c-config-3.1.11-2.el8_3.noarch	5/55
mariadb-errmsg-3:10.11.6-1.module+el8.10.0+1674+fa55eae9.x86_64	6/55
mariadb-gssapi-server-3:10.11.6-1.module+el8.10.0+1674+fa55eae9.x86_64	7/55
mariadb-server-3:10.11.6-1.module+el8.10.0+1674+fa55eae9.x86_64	8/55

mariadb-server-utils-3:10.11.6- 1.module+el8.10.0+1674+fa55eae9.x86_64	9/55
mysql-selinux-1.0.10- 1.el8.noarch	10/55
perl-DBD-MySQL-4.046- 3.module+el8.9.0+1501+450eec3b.x86_64	11/55
perl-DBI-1.641- 4.module+el8.9.0+1495+f278a004.x86_64	12/55
perl-Digest-1.17- 395.el8.noarch	13/55
perl-Digest-MD5-2.55- 396.el8.x86_64	14/55
perl-IIO-Socket-IP-0.39- 5.el8.noarch	15/55
perl-IIO-Socket-SSL-2.066- 4.module+el8.9.0+1517+e71a7a62.noarch	16/55
perl-Mozilla-CA-20160104- 7.module+el8.9.0+1521+0101edce.noarch	17/55
perl-Net-SSLeay-1.88- 2.module+el8.9.0+1517+e71a7a62.x86_64	18/55
perl-URI-1.73- 3.el8.noarch	19/55
perl-libnet-3.11- 3.el8.noarch	20/55
perl-Carp-1.42- 396.el8.noarch	21/55
perl-Data-Dumper-2.167- 399.el8.x86_64	22/55
perl-Encode-4:2.97- 3.el8.x86_64	23/55
perl-Errno-1.28- 422.el8.x86_64	24/55
perl-Exporter-5.72- 396.el8.noarch	25/55
perl-File-Path-2.15- 2.el8.noarch	26/55
perl-File-Temp-0.230.600- 1.el8.noarch	27/55
perl-Getopt-Long-1:2.50- 4.el8.noarch	28/55

perl-HTTP-Tiny-0.074-3.el8.noarch	29/55	
perl-IO-1.38-422.el8.x86_64		30/55
perl-MIME-Base64-3.15-396.el8.x86_64	31/55	
perl-Math-BigInt-1:1.9998.11-7.el8.noarch	32/55	
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perl-PathTools-3.74-1.el8.x86_64	34/55	
perl-Pod-Escapes-1:1.07-395.el8.noarch	35/55	
perl-Pod-Perldoc-3.28-396.el8.noarch	36/55	
perl-Pod-Simple-1:3.35-395.el8.noarch	37/55	
perl-Pod-Usage-4:1.69-395.el8.noarch	38/55	
perl-Scalar-List-Utils-3:1.49-2.el8.x86_64	39/55	
perl-Socket-4:2.027-3.el8.x86_64	40/55	
perl-Storable-1:3.11-3.el8.x86_64	41/55	
perl-Term-ANSIColor-4.06-396.el8.noarch	42/55	
perl-Term-Cap-1.17-395.el8.noarch	43/55	
perl-Text-ParseWords-3.30-395.el8.noarch	44/55	
perl-Text-Tabs+Wrap-2013.0523-395.el8.noarch	45/55	
perl-Time-Local-1:1.280-1.el8.noarch	46/55	
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perl-constant-1.33-396.el8.noarch	48/55	

perl-interpreter-4:5.26.3-422.el8.x86_64	49/55
perl-libs-4:5.26.3-422.el8.x86_64	50/55
perl-macros-4:5.26.3-422.el8.x86_64	51/55
perl-parent-1:0.237-1.el8.noarch	52/55
perl-podlators-4.11-1.el8.noarch	53/55
perl-threads-1:2.21-2.el8.x86_64	54/55
perl-threads-shared-1.58-2.el8.x86_64	55/55

perl:

```

mariadb-3:10.11.6-1.module+el8.10.0+1674+fa55eae9.x86_64
mariadb-backup-3:10.11.6-1.module+el8.10.0+1674+fa55eae9.x86_64
mariadb-common-3:10.11.6-1.module+el8.10.0+1674+fa55eae9.x86_64
mariadb-connector-c-3.1.11-2.el8_3.x86_64
mariadb-connector-c-config-3.1.11-2.el8_3.noarch
mariadb-errmsg-3:10.11.6-1.module+el8.10.0+1674+fa55eae9.x86_64
mariadb-gssapi-server-3:10.11.6-1.module+el8.10.0+1674+fa55eae9.x86_64
mariadb-server-3:10.11.6-1.module+el8.10.0+1674+fa55eae9.x86_64
mariadb-server-utils-3:10.11.6-1.module+el8.10.0+1674+fa55eae9.x86_64
mysql-selinux-1.0.10-1.el8.noarch
perl-Carp-1.42-396.el8.noarch
perl-DBD-MySQL-4.046-3.module+el8.9.0+1501+450eec3b.x86_64
perl-DBI-1.641-4.module+el8.9.0+1495+f278a004.x86_64
perl-Data-Dumper-2.167-399.el8.x86_64
perl-Digest-1.17-395.el8.noarch
perl-Digest-MD5-2.55-396.el8.x86_64
perl-Encode-4:2.97-3.el8.x86_64
perl-Errno-1.28-422.el8.x86_64
perl-Exporter-5.72-396.el8.noarch
perl-File-Path-2.15-2.el8.noarch
perl-File-Temp-0.230.600-1.el8.noarch
perl-Getopt-Long-1:2.50-4.el8.noarch
perl-HTTP-Tiny-0.074-3.el8.noarch
perl-IO-1.38-422.el8.x86_64

```

perl-IO-Socket-IP-0.39-5.el8.noarch  
perl-IO-Socket-SSL-2.066-4.module+el8.9.0+1517+e71a7a62.noarch  
perl-MIME-Base64-3.15-396.el8.x86\_64  
perl-Math-BigInt-1:1.9998.11-7.el8.noarch  
perl-Math-Complex-1.59-422.el8.noarch  
perl-Mozilla-CA-20160104-7.module+el8.9.0+1521+0101edce.noarch  
perl-Net-SSLeay-1.88-2.module+el8.9.0+1517+e71a7a62.x86\_64  
perl-PathTools-3.74-1.el8.x86\_64  
perl-Pod-Escapes-1:1.07-395.el8.noarch  
perl-Pod-Perldoc-3.28-396.el8.noarch  
perl-Pod-Simple-1:3.35-395.el8.noarch  
perl-Pod-Usage-4:1.69-395.el8.noarch  
perl-Scalar-List-Utills-3:1.49-2.el8.x86\_64  
perl-Socket-4:2.027-3.el8.x86\_64  
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perl-Term-ANSIColor-4.06-396.el8.noarch  
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perl-Text-ParseWords-3.30-395.el8.noarch  
perl-Text-Tabs+Wrap-2013.0523-395.el8.noarch  
perl-Time-Local-1:1.280-1.el8.noarch  
perl-URI-1.73-3.el8.noarch  
perl-Unicode-Normalize-1.25-396.el8.x86\_64  
perl-constant-1.33-396.el8.noarch  
perl-interpreter-4:5.26.3-422.el8.x86\_64  
perl-libnet-3.11-3.el8.noarch  
perl-libs-4:5.26.3-422.el8.x86\_64  
perl-macros-4:5.26.3-422.el8.x86\_64  
perl-parent-1:0.237-1.el8.noarch  
perl-podlators-4.11-1.el8.noarch  
perl-threads-1:2.21-2.el8.x86\_64  
perl-threads-shared-1.58-2.el8.x86\_64

□□□

□□□□

## 4 ?? MariaDB ??????

□□□□□□□□



```
$ sudo systemctl restart mariadb
$ sudo systemctl enable mariadb
Created symlink /etc/systemd/system/mysql.service → /usr/lib/systemd/system/mariadb.service.
Created symlink /etc/systemd/system/mysqld.service → /usr/lib/systemd/system/mariadb.service.
Created symlink /etc/systemd/system/multi-user.target.wants/mariadb.service → /usr/lib/systemd/system/mariadb.service.
```

## 5 ??? MariaDB ?????

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

```
$ sudo mysql_secure_installation
```



root [ ]

Enter

--	--	--	--

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): Enter

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

--	--	--	--	--

root 

Y 

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

```
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!
```

```
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!
```

```
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!
```

```
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!
```

```
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!
```

```
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!
```

```
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!
```

```
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!
```

--	--	--	--	--

anonymous users 

Y ☐ ☐ ☐

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]  
... Success!

root root Y

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]  
... Success!

root Y

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]  
- Dropping test database...  
... Success!  
- Removing privileges on test database...  
... Success!

Reload Y

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!

❏ MariaDB ❏❏❏❏❏❏

## 6 ?? MariaDB ??????(UTF8mb4)

❏ /etc/my.cnf.d/ ❏❏❏❏❏❏❏❏❏❏❏❏

```
sudo vim /etc/my.cnf.d/default-character.cnf
```

❏❏❏❏

```
## [client]
default-character-set = utf8mb4

[mysqld]
character-set-server = utf8mb4
collation-server = utf8mb4_unicode_ci
```

## 7 ????? MariaDB ??

```
$ sudo systemctl restart mariadb
```

## 8 ?? MariaDB ?????

❏ netstat ❏❏❏❏❏❏❏❏ (❏❏❏ 3306 port ❏❏ )❏

```
$ sudo netstat -tlnp
Active Internet connections (only servers)
Proto Recv-Q Send-Q Local Address           Foreign Address         State       PID/Program
name
tcp      0      0 0.0.0.0:3306             0.0.0.0:*               LISTEN      12169/mysqld
tcp      0      0 0.0.0.0:22              0.0.0.0:*               LISTEN      608/sshd
tcp6     0      0 :::3306                  :::*                    LISTEN      12169/mysqld
tcp6     0      0 :::80                    :::*                    LISTEN      6998/httpd
tcp6     0      0 :::22                    :::*                    LISTEN      608/sshd
```

❏ systemctl ❏❏❏❏❏❏❏❏❏❏❏❏

```
$ sudo systemctl status mariadb
● mariadb.service - MariaDB 10.11 database server
   Loaded: loaded (/usr/lib/systemd/system/mariadb.service; enabled; vendor preset: disabled)
```

```
Active: active (running) since Thu 2024-10-17 15:53:01 CST; 9s ago
Docs: man:mysql_d(8)
      https://mariadb.com/kb/en/library/systemd/
Process: 12181 ExecStartPost=/usr/libexec/mysql-check-upgrade (code=exited,
status=0/SUCCESS)
Process: 12131 ExecStartPre=/usr/libexec/mysql-prepare-db-dir mariadb.service (code=exited,
status=0/SUCCESS)
Process: 12105 ExecStartPre=/usr/libexec/mysql-check-socket (code=exited, status=0/SUCCESS)
Main PID: 12169 (mysqld)
Status: "Taking your SQL requests now..."
Tasks: 12 (limit: 11167)
Memory: 176.7M
CGroup: /system.slice/mariadb.service
        └─12169 /usr/libexec/mysqld --basedir=/usr

10 17 15:53:00 ossiideo.ossii.com.tw systemd[1]: mariadb.service: Succeeded.
10 17 15:53:00 ossiideo.ossii.com.tw systemd[1]: Stopped MariaDB 10.11 database server.
10 17 15:53:00 ossiideo.ossii.com.tw systemd[1]: Starting MariaDB 10.11 database server...
10 17 15:53:01 ossiideo.ossii.com.tw mysql-prepare-db-dir[12131]: Database MariaDB is
probably initialized in /var>
10 17 15:53:01 ossiideo.ossii.com.tw mysql-prepare-db-dir[12131]: If this is not the case,
make sure the /var/lib/>
10 17 15:53:01 ossiideo.ossii.com.tw systemd[1]: Started MariaDB 10.11 database server.
lines 1-21/21 (END)
```

Revision #7

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