



Stratusphere™ FIT/UX

Security Addendum

Release 6.6.2
February 8, 2023

This guide has been authored by experts at Liquidware to provide information and guidance concerning Stratusphere™.

Information in this document is subject to change without notice. No part of this publication may be reproduced in whole or in part, stored in a retrieval system, or transmitted in any form or any means electronic or mechanical, including photocopying and recording for any external use by any person or entity without the express prior written consent of Liquidware Labs.

Liquidware Labs, Inc.

3600 Mansell Road
Suite 2000
Alpharetta, Georgia 30022
U.S.A.

Phone: 678-397-0450

Web: www.liquidware.com

© 2023 Liquidware Labs Inc. All rights reserved. Stratusphere, ProfileUnity, FlexApp, FlexDisk, ProfileDisk, and FlexApp One are trademarks of Liquidware Labs. All other products are trademarks of their respective owners.

Table of Contents

Purpose	1
Security Updates	2
Assumptions	3
Securing Stratusphere	4
Hub Advanced Configuration	4
Configure the NTP Server	4
Configure the Session Timeout and Password Lockout Fields	4
Install an SSL Certificate on a Stratusphere Hub Appliance	5
Forward Syslog to External Host (Optional)	7
Enable Two Factor Authentication (Optional)	8
Set Up a Static IPv6 Address (Optional)	10
Database Advanced Configuration	10
Install an SSL Certificate on a Stratusphere Database Appliance	11
Collector Advanced Configuration	13
Install SSL Certificate on Stratusphere Collector Appliance	14
Enable Enhanced Security Configuration	16
Enable CAC Authentication	21
CAC Certificate Revocation List Configuration	22
Configuring a Hub to Use an Online Service (recommended)	23
Configuring a Hub to Download a CRL Locally	24
Enable Privacy: Anonymizing User and Machine Names	26
SSL and TLS Settings	28
Install Connector ID Keys (Desktop Agents)	30
CID Key Encryption	30
Webserver Accounts and Usage	30
Accounts with Login Privileges	30
Accounts Without Login Privileges (Internal System Accounts)	31

Stratusphere Hub Appliance Installed Packages 32

Stratusphere Database Appliance Installed Packages63

Stratusphere Collector Appliance Installed Packages87

Purpose

This document has been created to aid System Administrators in configuring settings as might be required by Security Technical Implementation Guides. The Stratusphere appliances have specific features included to meet STIG requirements. Liquidware has reviewed the STIG requirements for the Oracle Linux 8 operating system, web services and database relative to the virtual appliances for Stratusphere FIT and UX. The systems have been patched, updated, and configured to meet the STIG requirements. However, some of the STIG requirements must be implemented by the System Administrator.

Security Updates

Our appliances are updated with the latest security updates from Oracle Linux 8 and other third-party vendors prior to each release. These updates are brought in just before our QA cycle for the release.

We constantly monitor security vulnerability announcements and respective patches that affect our appliances. Any critical patches will be included in point releases and made available to customers monthly. We consolidate them into point releases, so we can test and verify the updates don't adversely affect any functionality.

If a customer has an immediate need for a specific security fix, contact Liquidware Support and we will investigate and advise the best course of action.

Assumptions

It is assumed that the Oracle Linux 8 version of Stratusphere appliances have already been deployed by following the latest instructions provided in the *Stratusphere Installation & Configuration Guide*.

Securing Stratusphere

Complete the following steps to finish the installation of Stratusphere. The configuration steps marked as **Optional** might be necessary to comply with your security policy. Implement them accordingly.

Hub Advanced Configuration

Configure the NTP Server

1. Connect to `https://<hub ip>`
2. Select the **Administration** option and enter the appropriate username and password.
3. Navigate to the **Hub Administration > Configuration** tab.
4. Select the **NTP** checkbox and enter two valid NTP server addresses delimited with a comma.
5. Continue with next section or click the **Save Changes** button.

Configure the Session Timeout and Password Lockout Fields

1. Click to open the **Other Settings** section.
2. Adjust the login session timeout so that it conforms to your organization's security requirements.
3. Enable the password lockout checkbox to make it possible to lock a user out if a wrong password is entered numerous times in a row.
4. In the **API Client IPs** field, enter a comma-separated list of either specific IP Addresses and/or CIDR blocks of client networks from which you would want to allow Stratusphere API access. Access from any IP Addresses specified in this field allows users to access Stratusphere data through API in a read only fashion regardless of whether they were provisioned API access or provided user credentials. The user credentials are not authenticated and bypassed for API Access if the client API access comes from an IP Address specified within this field. For the highest level of security, keep this field empty or lock it down to a very small list of addresses.
5. In the **Whitelist** field, if users are required to be authenticated with credentials for API Access, then enter a whitelist (allowed) of comma-separated IP Addresses and/or CIDR blocks from where authenticated users can access Stratusphere API for read only data

access. Stratusphere API authorized users first need to be provisioned for using API by navigating to the **Inventory > Users** tab, selecting them individually, and then on the **User Details** screen, selecting the **Allow API Access** checkbox.

6. In the **Blacklist** field, if API Access from certain IP Networks needs to be restricted, enter a blacklist (quarantined) of comma-separated IP Addresses and/or CIDR blocks from where users would be disallowed from accessing Stratusphere API. Any user provisioned for access to Stratusphere API who tries to access it from a client IP Address that is part of the blacklist would be denied access due to their IP Address being included in the blacklist.
7. Click the **Save Changes** button.

Install an SSL Certificate on a Stratusphere Hub Appliance

To prepare the certificate request, start with these initial steps:

1. Log in to the Stratusphere Hub appliance local console using the following credentials:
 - User ID: `friend`
 - Password: `sspassword.`
2. Switch to the **root** user using the following command and enter the password when prompted. The default password is `sspassword.`

```
su -
```

3. Change to the following folder using the command:

```
cd /home/friend
```

4. Enter the following commands:

```
openssl genrsa 2048 > /etc/lwl/ssl/ssl.key.2048
cp /etc/lwl/ssl/ssl.key /etc/lwl/ssl/ssl.key.original
```

5. Generate a certificate request on the Stratusphere Hub using the existing SSL Key.

```
openssl req -key /etc/lwl/ssl/ssl.key.2048 -out hubcertrequest.csr -new -sha256
```

6. When prompted for a common name, provide your Hub's fully qualified DNS name.

```
common name: <hubdnsname.domain.com>
```

The certificate request is generated in the following location:

```
/home/friend/hubcertrequest.csr
```

7. Enter the following to change ownership of the file so that it is accessible using the **friend** user.

```
chown friend:friend /home/friend/hubcertrequest.csr
```

8. Use WinSCP or FileZilla or similar software to download this certificate request `/home/friend/hubcertrequest.csr` file to your local desktop. In WinSCP or FileZilla, use the User ID `friend` and the password `sspassword` as credentials within the program. Use the SCP protocol with WinSCP (Port 22).
9. Provide this certificate request file to your security provider or Certifying Authority and request that they provide the SSL Certificate specifically in **base64 / PEM** format. For these instructions, call the SSL Certificate file `hubsslcert.crt`. When you see references to `hubsslcert.crt` in this document, you should substitute the actual name of the SSL Certificate file you received from your security provider or Certifying Authority.

Important: Pause here until you receive your SSL certificate from your provider, then complete the process using the following instructions.

10. Use WinSCP or FileZilla or similar software to upload the `hubsslcert.crt` SSL Certificate file to your Stratusphere Hub in the `/home/friend/hubsslcert.crt` location. In WinSCP or FileZilla, use the User ID `friend` and the password `sspassword` as credentials within the program. Use the SCP protocol with WinSCP (Port 22).

11. On the Stratusphere Hub local console, while still logged in as the **root** user, make a copy the original SSL certificate as a backup:

```
cp /etc/lwl/ssl/ssl.crt /etc/lwl/ssl/ssl.crt.orig
```

12. Place the new key and certificate in place of the original and modify the file permissions as follows:

```
cp /etc/lwl/ssl/ssl.key.2048 /etc/lwl/ssl/ssl.key
mv /home/friend/hubsslcert.crt /etc/lwl/ssl/ssl.crt
chown root:root /etc/lwl/ssl/ssl.crt
chmod 644 /etc/lwl/ssl/ssl.crt
chmod 640 /etc/lwl/ssl/ssl.key
restorecon -RF /etc/lwl/ssl
```

13. Restart the Web Server to load the newly added SSL Certificate.

On versions up to 6.1.1, use the following command:

```
/etc/init.d/httpd restart
```

On versions 6.1.3 to 6.1.5, use the following command:

```
/etc/init.d/lwl-httpd24 restart
```

On versions 6.5.0 and higher, use the following command:

```
systemctl restart httpd
```

14. Using your browser of choice, log into the Stratusphere Hub Web UI. Ensure that the UI Login page shows with no certificate related warning. Also verify the information within the certificate provided by the browser address bar.

Forward Syslog to External Host (Optional)

1. To send all audit records to a remote audit server, edit the `/etc/rsyslog.conf` file to add the following new line or edit a line if it exists.

2. Specify the server by placing an @ before the DNS name or IP address in the line.

```
*.* @<remote audit server>
```

Enable Two Factor Authentication (Optional)

1. Add a CA certificate in PEM format using the following commands:

- a. Copy the CA certificate file in PEM format to the Hub appliance using the command line option or your preferred SCP Client, like WinSCP, to the `/home/<username>/` folder such as `/home/friend/` on VMware, Hyper-V and Nutanix for example:

```
scp <ca_cert.pem> friend@hubip:ca_cert.pem
```

- b. Move the file from the `/home/friend/` folder to the appropriate folder with the following command:

```
mv /home/friend/ca_cert.pem /etc/lwl/httpd/cacerts
```

- c. Rehash the certificate files in the `cacerts` folder with the following command:

```
c_rehash /etc/lwl/httpd/cacerts/
```

2. Turn on SSL client certificate check by editing the following files:

- a. Edit the `/etc/lwl/httpd/conf.d/clientcerts.on` file to change the `SSLVerifyClient` setting from `none` to `require`.

- i. Type the following: `vi /etc/lwl/httpd/conf.d/clientcert.on`

- ii. Search for `SSLVerifyClient` within `vi` by entering `/SSLVerifyClient` and pressing **Enter**. The editor will take you to the appropriate line in the file.

- iii. Switch to **Insert** mode by typing the letter `I`, then replace `none` with `require`.

- iv. Press the **ESC** key, then type `":wq!"` to write and quit the `vi` editor.

- b. Edit the `/etc/lwl/httpd/conf.d/clientcerts.conf` file and follow the instructions in the file to uncomment the appropriate lines related to `dod-root-certs.pem` or self-contained CRLs or use of a network OCSP server, etc.

- i. Type the following: `vi /etc/lwl/httpd/conf.d/clientcerts.conf`
- ii. Go into **Insert** mode by typing the letter `I`, then delete the `#` character at the beginning of any line that needs to be uncommented.
- iii. Click the **ESC** key, then type “`:wq!`” to write and quit the vi editor.

The following is an example of what the file contains:

```
SSLVerifyDepth 10

SSLCACertificateFile /etc/lwl/httpd/cacerts/dod-root-certs.pem
#SSLCACertificateFile /etc/lwl/httpd/cacerts/dod-root-certs-jitc.pem
#SSLCACertificateFile /etc/lwl/httpd/cacerts/dod-root-certs-eca.pem
#
# uncomment and update below if a self-contained CRL is provided
#SSLCARevocationFile /etc/lwl/httpd/crls/crllist.crl
#
# uncomment and update below to use a network OCSP server
#SSL_OCSP_Enable on
#SSL_OCSP_DefaultResponder http://ocspserver:ocspport
#SSL_OCSP_OverrideResponder on
```

3. Restart the web server for the changes to take effect.

On versions up to 6.1.1, use the following command

```
/etc/init.d/httpd restart
```

On versions 6.1.3 to 6.1.5, use the following command:

```
/etc/init.d/lwl-httpd24 restart
```

On versions 6.5.0 and higher, use the following command:

```
systemctl restart httpd
```

Set Up a Static IPv6 Address (Optional)

Set up a static IPv6 address. The Hub will be configured by default to use auto config for IPv6. This should work for most cases. If you need to use a static IPv6 address, you can specify this using the **Network Configuration** option in the Liquidware console.

Database Advanced Configuration

1. Before powering on the VM, size your database to meet your data retention needs. See our [Stratusphere Sizing Guide](#) for details.
2. Power on the Database appliance.
3. Complete the following substeps to set up the network configuration:
 - a. From the console, complete the Network configuration wizard. DO NOT use DHCP.
 - b. Assign a fixed IPv4 address.
 - c. Leave **IPv6 Auto Config** set to **Yes**.
4. Complete the following substeps to join the Database to the Hub:
 - a. Log in to the command line console using the **ssconsole** credentials.
 - b. Type **D** to select the **D) Database VM Utilities** option.
 - c. Type **J** to select the **J) Join this database to a hub** option.
 - d. Copy the database from the Hub and reboot the Hub when prompted.
5. (Optional) Complete the following substeps to encrypt the data partition:
 - a. Ensure your database is sized correctly. If necessary, power down and size your database to meet your data retention needs. See our sizing guidelines for details.
 - b. Take a snapshot of the Database.
 - c. Power up the VM.
 - d. Log in to the command line console using the **ssconsole** credentials.
 - e. Type **D** to select the **D) Database VM Utilities** option.

- f. Type **E** to select the **E) Setup Encrypted Database** option.

Note: Remember the password used to encrypt. You will need this every time the VM is rebooted. Liquidware will not be able to recover your database appliance data if this password is misplaced.

6. Verify that you can log in to the web interface for the Hub.
7. Navigate to the **Hub Administration > Data Retention** tab and validate that the Database IP is correct.
8. Delete any snapshots that were created on the Database during setup.

Install an SSL Certificate on a Stratusphere Database Appliance

To prepare the certificate request, complete the following initial steps:

1. On the Stratusphere Database appliance local console, log in using the following credentials:
 - User ID: `friend`
 - Password: `sspasword.`
2. Switch to the **root** user using the following command and enter the password when prompted. The default password is `sspasword.`

```
su -
```

3. Change to the following folder using the command:

```
cd /home/friend
```

4. Enter the following commands:

```
openssl genrsa 2048 > /var/lib/pgsql/current/data/server.key.2048
cp /var/lib/pgsql/current/data/server.key /var/lib/pgsql/current/data/server.key.original
```

5. Generate a certificate request on the Stratusphere Database using the existing SSL Key.

```
openssl req -key /var/lib/pgsql/current/data/server.key.2048 -out dbcertrequest.csr -new -sha256
```

6. When prompted for common name, make sure you provide your database's fully qualified DNS name.

```
common name: <dbdnsname.domain.com>
```

7. The certificate request is generated in the following location:

```
/home/friend/dbcertrequest.csr
```

8. Change ownership of the file so that it accessible using the **friend** user.

```
chown friend:friend /home/friend/dbcertrequest.csr
```

9. Use WinSCP or FileZilla or similar software to download this certificate request `/home/friend/dbcertrequest.csr` file to your local desktop. In WinSCP or FileZilla, use the User ID `friend` and the password `sspasword` as credentials within the program. Use the SCP protocol with WinSCP (Port 22).
10. Provide this certificate request file to your security provider or Certifying Authority and request that they provide the SSL Certificate specifically in **base64 / PEM format**. For these instructions, call the SSL Certificate file `server.crt`. When you see references to `server.crt` in this document, you should substitute the actual name of the SSL Certificate file you received from your security provider or Certifying Authority.

Important: Pause here until you receive your SSL certificate from your provider, then complete the process using the following instructions.

11. Use WinSCP or FileZilla or similar software to upload the `server.crt` SSL Certificate file to your Stratusphere database in the `/home/friend/server.crt` location. In WinSCP or FileZilla, use the User ID `friend` and the password `sspasword` as credentials within the program. Use the SCP protocol with WinSCP (Port 22).

12. On the Stratusphere Database local console, while still logged in as the **root** user, make a copy the original SSL certificate as a backup:

```
cp /var/lib/pgsql/current/data/server.crt /var/lib/pgsql/current/data/server.crt.orig
```

13. Place the new key and certificate in place of the original and modify the file permissions as follows:

```
cp /var/lib/pgsql/current/data/server.key.2048 /var/lib/pgsql/current/data/server.key
mv /home/friend/server.crt /var/lib/pgsql/current/data/server.crt
chown postgres:postgres /var/lib/pgsql/current/data/server.crt
chmod 400 /var/lib/pgsql/current/data/server.crt
chown postgres:postgres /var/lib/pgsql/current/data/server.key
chmod 400 /var/lib/pgsql/current/data/server.key
```

14. Restart the database server to load the newly added SQL Certificate:

On versions prior to 6.5.0, use the following command:

```
/etc/init.d/postgresql<PRESS-TAB-KEY> restart
```

On versions 6.5.0 and higher, use the following command:

```
systemctl restart postgresql-12
```

Collector Advanced Configuration

1. Power on the Collector appliance.
2. Set up the network configuration.
 - a. From the console complete the Network configuration wizard. **DO NOT** use DHCP.
 - b. Assign fixed IPv4 address.
 - c. Leave **IPv6 Auto Config** set to **Yes**.
3. Log in to the web interface for the Hub.

4. Navigate to the **Collector Administration > Collectors** tab and validate whether the Collector appliance is displayed in the list of Collectors.

Install SSL Certificate on Stratusphere Collector Appliance

To prepare the certificate request, complete the following initial steps:

1. On the Stratusphere Collector appliance local console, log in using the following credentials:
 - User ID: `friend`
 - Password: `sspassword`.
2. Switch to the **root** user using the following command and enter the password when prompted. The default password is `sspassword`.

```
su -
```

3. Change to the following folder using the command:

```
cd /home/friend
```

4. Enter the following commands:

```
openssl genrsa 2048 > /etc/lwl/ssl/ssl.key.2048
cp /etc/lwl/ssl/ssl.key /etc/lwl/ssl/ssl.key.original
```

5. Generate a certificate request on the Stratusphere Collector using the existing SSL Key.

```
openssl req -key /etc/lwl/ssl/ssl.key.2048 -out colcertrequest.csr -new -sha256
```

6. When prompted for common name, provide your Collector's fully qualified DNS name.

```
common name: <coldnsname.domain.com>
```

The certificate request is generated in the following location:

```
/home/friend/colcertrequest.csr
```

7. Change ownership of the file so that it accessible using the **friend** user.

```
chown friend:friend /home/friend/colcertrequest.csr
```

8. Use WinSCP or FileZilla or similar software download this certificate request `/home/friend/colcertrequest.csr` file to your local desktop. In WinSCP or FileZilla, use the User ID `friend` and password `sspassword` as credentials within the program. Use the SCP protocol with WinSCP (Port 22).
9. Provide this certificate request file to your security provider or Certifying Authority and request that they provide the SSL Certificate specifically in **base64 / PEM** format.
10. For these instructions, call the SSL Certificate file `colsslcert.crt`. When you see references to `colsslcert.crt` in this document, you should substitute the actual name of the SSL Certificate file you received from your security provider or Certifying Authority.

Important: Pause here until you receive your SSL certificate from your provider, then complete the process using the following instructions.

11. Use WinSCP or FileZilla or similar software to upload the `colsslcert.crt` SSL Certificate file to your Stratusphere Hub in the `/home/friend/colsslcert.crt` location. In WinSCP or FileZilla, use the User ID `friend` and the password `sspassword` as credentials within the program. Use the SCP protocol with WinSCP (Port 22).
12. On the Stratusphere Collector local console, while still logged in as the **root** user, make a copy the original SSL certificate as a backup:

```
cp /etc/lwl/ssl/ssl.crt /etc/lwl/ssl/ssl.crt.orig
```

13. Place the new key and certificate in place of the original and modify the file permissions as follows:

```
cp /etc/lwl/ssl/ssl.key.2048 /etc/lwl/ssl/ssl.key
mv /home/friend/colsslcrt.crt /etc/lwl/ssl/ssl.crt
chown root:root /etc/lwl/ssl/ssl.crt
chmod 644 /etc/lwl/ssl/ssl.crt
chmod 640 /etc/lwl/ssl/ssl.key
restorecon -RF /etc/lwl/ssl
```

14. Restart the Collector to load the newly added SSL Certificate.

15. On versions up to 6.1.1, use the following command:

```
/etc/init.d/httpd restart
```

On versions 6.1.3 to 6.1.5, use the following command:

```
/etc/init.d/lwl-httpd24 restart
```

On versions 6.5.0 and higher, use the following command:

```
systemctl restart httpd
```

Enable Enhanced Security Configuration

After the Stratusphere Hub and Database appliances are joined together and are communicating with each other, you can enable the Enhanced Security configuration option for each appliance. This option implements all the STIGs on the appliance.

Immediately after enabling Enhanced Security, all existing passwords for the **friend**, **root**, and **ssconsole** users are immediately set to expired status, and all users need to be prepared to update these user passwords with new, complex passwords as per STIG guidelines. The STIG password definitions are stored within `/etc/login.defs`. The default settings for that file are as follows:

- Maximum number of days a password can be used.

```
PASS_MAX_DAYS 60
```

- Minimum number of days a password can be used.

```
PASS_MIN_DAYS 1
```

- Minimum acceptable password length.

```
PASS_MIN_LEN 15
```

- Number of days warning given before a password expires.

```
PASS_WARN_AGE 7
```

The STIG password complexity or quality definitions are stored within `/etc/security/pwquality.conf`. The default settings for that file are as follows:

- The number of characters in the new password that must not be present in the old password.

```
difok = 8
```

- The minimum acceptable size for the new password. Cannot be set to lower value than 6.

```
minlen = 15
```

- The maximum credit for having digits in the new password. If less than 0, it is the minimum number of digits in the new password.

```
dcredit = -1
```

- The maximum credit for having uppercase characters in the new password. If less than 0, it is the minimum number of uppercase characters in the new password.

```
ucredit = -1
```

- The maximum credit for having lowercase characters in the new password. If less than 0, it is the minimum number of lowercase characters in the new password.

```
lcredit = -1
```

- The maximum credit for having other characters in the new password. If less than 0, it is the minimum number of other characters in the new password.

```
ocredit = -1
```

- The minimum number of required classes of characters for the new password (digits, uppercase, lowercase, others).

```
minclass = 4
```

- The maximum number of allowed consecutive same characters in the new password. The check is disabled if the value is 0.

```
maxrepeat = 3
```

- The maximum number of allowed consecutive characters of the same class in the new password. The check is disabled if the value is 0.

```
maxclassrepeat = 4
```

- Whether to check for the words from the passwd entry GECOS string of the user. The check is enabled if the value is not 0.

```
gecoscheck = 0
```

- Whether to check for the words from the cracklib dictionary. The check is enabled if the value is not 0.

```
dictcheck = 1
```

- Whether to check if it contains the user name in some form. The check is enabled if the value is not 0.

```
usercheck = 1
```

- Whether the check is enforced by the PAM module and possible other applications. The password is rejected if it fails the check and the value is not 0.

```
enforcing = 1
```

- The maximum number of allowed consecutive characters of the same class in the new password.

```
dictpath =
```

In addition, the following items go into effect automatically when Enhance Security is enabled on the Stratusphere Appliances:

- Password complexity & expiration rules are enabled.
- Issue notifications are turned on in the user interface before logging.
- IPV6 is turned off.
- A “For Official Use Only” messaging displays in the footer of the user interface.
- Security-Enhanced Linux (SELinux) Auditing is turned on, which saves log files to `/var/log/audit`.
- Access is restricted to port 5432. For the Hub appliance, only the localhost can log in. For the Database appliance, only the Hub can log in.

Important: All Collector appliances should be added to the installation **after** Enhanced Security is enabled on the Hub and Database.

1. Open a command line console to the Stratusphere Hub appliance.
2. Log in to the Hub console using credentials provided for the **ssconsole** user. The default password is `sspassword`.

3. In the main menu, type **E** to select the **E) Enable enhanced security** option, then press **Enter**.

```
=====
Liquidware Stratusphere Hub Appliance Menu
=====

N) Network Configuration
U) Update Software Menu
D) Database Utilities
M) Migrate certs, settings & data from remote appliance

S) Software Services
P) Passwords

E) Enable enhanced security
Q) Quit

Your Choice? E_
```

The Hub appliance can now enable many STIGs and is in enhanced security configuration. It should reboot automatically after it finishes applying all the STIGs.

4. Open a command line console to the Stratusphere Database appliance.
5. Log in to the Database console using credentials provided for the **ssconsole** user. The default password is **sspassword**.
6. In the main menu, type **E** to select the **E) Enable enhanced security** option, then press **Enter**.

```
=====
Liquidware Stratusphere Database Appliance Menu
=====

N) Network Configuration
U) Update Software Menu (0 updates available)
D) Database Appliance Utilities (Wizard/Join/More)
M) Migrate certs, settings & data from remote appliance

S) Software Services
P) Passwords

E) Enable enhanced security
Q) Quit

** Please change the root password (option 'p')

Your Choice? E_
```

The Database appliance can now enable many STIGs and is in enhanced security configuration. It should reboot automatically after it finishes applying all the STIGs.

7. Open a command line console to the Stratusphere Collector appliance.
8. Log in to the Collector console using credentials provided for the **ssconsole** user. The default password is `sspassword`.
9. In the main menu, type `E` to select the **E) Enable enhanced security** option, then press **Enter**.

```
=====
Liquidware Stratusphere Collector Appliance Menu
=====

N) Network Configuration
U) Update Software Menu (0 updates available)

S) Software Services
P) Passwords

E) Enable enhanced security
Q) Quit

Your Choice? E_
```

The Collector appliance can now enable many STIGs and is in enhanced security configuration. It should reboot automatically after it finishes applying all the STIGs.

Enable CAC Authentication

After Enhanced Security is enabled on the Stratusphere Hub and Database appliances, you can download, install, and enable the CAC Authentication module for the Hub appliance. This module enables and then requires a CAC Authentication certificate to be presented to access Stratusphere's Web UI.

Important: Make sure you have enabled Enhanced Security on the Hub appliance prior to proceeding.

1. Log out of all Stratusphere Web UI sessions.

Stratusphere recommends taking a snapshot of the Hub appliance for safety before proceeding.

2. Complete the following steps on the Stratusphere Hub appliance:

- a. Open a command line console to the appliance.
- b. Log in by entering the User ID `friend` followed by your enhanced security STIG compliant password.
- c. Enter the command `su -` and then enter your enhanced security STIG compliant password to switch to **root**.
- d. Execute the following commands to install the CAC Authentication module:

```
yum install -y --allowdowngrading --disablerepo=hw /opt/hw/rpms/hw-stig-base-dod-
cac-*.rpm
reboot
```

3. After the Stratusphere Hub appliance reboots, wait for about **10-15** minutes for all the services on the Stratusphere Hub to start, especially the Web UI.
4. You will now need a valid CAC to authenticate with the Web UI through a browser. Bring up the browser of your choice and navigate to the Stratusphere Web UI address. The browser will ask you to choose a client certificate and will list either an **ID** or an **Email** certificate. Depending on the type of client certificate you select, one of the following will occur:
 - If you select the **ID** type certificate, access to the Stratusphere Web UI Login page will be granted. There may not be enough information available on the ID certificate to auto-log you in.
 - If you select an **Email** type certificate and that certificate is associated with a user-PrincipalName attribute within a synced Active Directory, and you have been granted a User or Administrative role within Stratusphere, you will be transparently logged into the Stratusphere Web UI.
 - If you try to access the Stratusphere Web UI Login page without a supported client certificate, the browser will display a Bad SSL Client Authentication Certificate error.

CAC Certificate Revocation List Configuration

After **Enhanced Security** is enabled and **CAC Authentication** is enabled on the Stratusphere Hub, you can update and customize how and where the Hub verifies whether the certificate is on the Certificate Revocation List (CRL). The Hub supports the following two mechanisms of checking validity of a certificate against a CRL:

- **Online Service:** In this **recommended** mechanism, the Hub is configured to use a remote service to check the certificate against a hosted CRL.
- **Downloaded CRL:** In this legacy mechanism, the Hub is configured to download a Certificate Revocation List (CRL) at a configurable frequency and check each certificate whether it is revoked.

Configuring a Hub to Use an Online Service (recommended)

The Hub can be configured to use the OCSP service to look up the validity of a certificate. To configure the service, complete the following steps on the Stratusphere Hub appliance:

1. Open a command line console to the Stratusphere Hub appliance.
2. Log in by entering the User ID `friend` followed by your enhanced security STIG compliant password.
3. Enter the command `su -` and then enter your enhanced security STIG compliant password to switch to **root**.
4. Use the `vi` command to edit the `/etc/lwl/httpd/conf.d/clientcerts.conf` file.

```
vi /etc/lwl/httpd/conf.d/clientcerts.conf
```

5. To enable the network OCSP service, uncomment the last three lines shown below by deleting the `#` symbol before each one.

```
SSLVerifyDepth 10
SSLCACertificateFile /etc/lwl/httpd/cacerts/dod-root-certs.pem
#SSLCACertificateFile /etc/lwl/httpd/cacerts/dod-root-certs-jitc.pem
#SSLCACertificateFile /etc/lwl/httpd/cacerts/dod-root-certs-eca.pem
#
# uncomment and update below if a self-contained CRL is provided
#SSLCARevocationFile /etc/lwl/httpd/crls/crllist.crl
#
#uncomment and update or add new lines to use a network OCSP server
#SSL_OCSP_Enable on
#SSL_OCSP_DefaultResponder http://ocspserver:ocspport
#SSL_OCSP_OverrideResponder on
```

6. Type the `/` symbol to search for the `SSL_OCSP` string.
7. When found, press the **Delete** key to remove only the `#` at the beginning of the first line, as well on the next two lines to enable OCSP and configure it.

8. Enter **Insert** or **Append** mode by typing either the letter `i` or `a`.
9. Update the `SSLOCSPPDefaultResponder` URL to your preferred or custom URL as needed.
10. Press the **Escape** key and type `:wq!` to **write** and **quit**.
11. Restart the Apache Web Server for the new settings to take effect.

On versions up to 6.1.1, use the following command:

```
/etc/init.d/httpd restart
```

On versions 6.1.3 to 6.1.5, use the following command:

```
/etc/init.d/lwl-httpd24 restart
```

On versions 6.5.0 and higher, use the following command:

```
systemctl restart httpd
```

12. Press **CTRL+D** twice to log out of the console.

When a security card is presented, the Web Browser UI will forward the certificate to the Stratusphere Hub for authentication and verification and the Hub will forward the information to this URL for checking revocation status and control granting or revoking access to the Stratusphere Web UI.

Configuring a Hub to Download a CRL Locally

The Hub is not configured by default to connect to a publicly available DoD designated URL to download the updated CRL. Liquidware has noticed that this publicly available URL might not always be reliable and, thus, provides instructions on replacing this URL with an internal URL that might be more reliable. If a URL is configured, then the Hub can download the updated CRL every day after 1:00am UTC on a scheduled basis.

Note: The Hub expects the target of the URL to be a ZIP file containing one or more CRL files.

To update the URL to download the CRL, complete the following steps on the Stratusphere Hub appliance:

1. Open a command line console to the Stratusphere Hub appliance.
2. Log in by entering the User ID `friend` followed by your enhanced security STIG compliant password.
3. Enter the command `su -` and then enter your enhanced security STIG compliant password to switch to **root**.
4. Use the `vi` command to edit the `/etc/tntdb.conf` file.

```
vi /etc/tntdb.conf
```

5. Type the `/` symbol to search for the `CRL_UPDATE_URLS` string.
6. Enter **Insert** or **Append** mode by typing either the letter `i` or `a`.
7. Update the URL to your preferred, custom URL as needed.
8. Press the **Escape** key and enter `:wq!` to **write** and **quit**.
9. Press **CTRL+D** twice to log out of the console.
10. When the scheduled event triggers, the Hub will read this updated URL and download the CRL from this new location.

To update the schedule or frequency of downloading the CRL, complete the following steps on the Stratusphere Hub appliance:

Important: The schedule is stored in `/etc/crontab` on the Stratusphere Hub. Only make changes to this cron job if you are aware of how cron works.

1. Open a command line console to the Stratusphere Hub appliance.
2. Log in by entering the User ID `friend` followed by your enhanced security STIG compliant password.
3. Enter the command `su -` and then enter your enhanced security STIG compliant password to switch to **root**.

4. Use the `vi` command to edit the `/etc/crontab` file.

```
vi /etc/crontab
```

5. Type the `/` symbol to search for the `update_crls.sh` string.
6. Enter **Insert** or **Append** mode by typing either the letter `i` or `a`.
7. Update the schedule as you prefer. The default setting of `0 1 * * *` denotes, once every day after 1:00am UTC time. The script randomizes the exact time of download to be anytime within 1 hour of being launched.
8. Press the **Escape** key and enter `:wq!` to **write** and **quit**.
9. Press **CTRL+D** twice to log out of the console.

The Hub will then start triggering the download of the CRL based on this new frequency.

Enable Privacy: Anonymizing User and Machine Names

Liquidware understands and respects privacy related issues and concerns of its users across the world. Whether it may be due to government regulations or some organizations ensuring privacy of its users, there are legitimate requirements for enabling the option to anonymize end user names and machine names within Stratusphere.

Liquidware offers the ability to totally anonymize end user names and machine names within Stratusphere. After this privacy mode is enabled, each newly registered user name and machine within the Stratusphere Database will be anonymized in a single one-way hash. Any user and machine that registered prior to enabling privacy mode will remain visible in plain text. Enabling privacy mode only works for users and machines that register from that point forward and does NOT work to hash user and machine names registered before enabling privacy mode.

Important: The anonymized conversion in Privacy mode is permanent and cannot be undone. Usernames and machines that existed prior to turning on privacy mode will still be stored in plain text.

Privacy mode can be disabled. Any user name and machine name registration received after disabling privacy mode will be stored in plain text and will not be hashed.

Important: After Privacy mode is enabled, the user and machine names already anonymized stay anonymized permanently even if Privacy mode is disabled at a later date.

Using the privacy mode might make Stratusphere reporting harder to read and follow because the end user will only see randomized pieces of text representing users and machines instead of the *actual* user names and machine names.

To enable Privacy mode, complete the following steps:

1. Using an SSH client like PuTTY (or Microsoft Windows 10 Command Prompt for AWS and Azure), log in to the Stratusphere Hub console using credentials for the **friend** user.
2. Then use credentials for the **root** user to switch to the **root** using the `su -` command. Unless changed, the default password for both users is `sspassword`.
3. Execute the following command to invoke a limited shell prompt:

```
/opt/tnt/bin/mgrconfig
```

4. On the new shell prompt, execute the following commands to anonymize user and/or machine names within the Stratusphere Database:

```
set system user privacy on
set system machine privacy on
```

5. To save and quit, enter the following commands:

```
write
quit
```

6. Press **CTRL+D** twice to log out of the **root** and **friend** SSH sessions and quit the SSH client.
7. At this point, Stratusphere begins its anonymizing process, which can take some time. After it is complete, log in to the Administration section of the Stratusphere Web UI and navigate to the **Inventory > Machines** and **Inventory > Users** tabs to verify that the names have been anonymized.

To disable Privacy mode, complete the following steps:

1. Using an SSH client like PuTTY, log in to the Stratusphere Hub console using credentials for the **friend** user.
2. Then use credentials for the **root** user to switch to the **root** using the `su -` command. Unless changed, the default password for both users is `sspassword`.
3. Execute the following command to invoke a limited shell prompt:

```
/opt/tnt/bin/mgrconfig
```

4. On the new shell prompt, execute the following commands to disable anonymizing user and/or machine names within the Stratusphere Database:

```
set system user privacy off  
set system machine privacy off
```

5. To save and quit enter the following commands:

```
write  
quit
```

6. Press **CTRL+D** twice to log out of **root** and **friend** SSH sessions and quit the SSH client.

All users and machines registering for the first time since disabling privacy mode will show up as plain text and will not be hashed. Users and machines that were previously anonymized under Privacy mode will remain anonymized.

SSL and TLS Settings

Stratusphere 6.5.x and higher appliances are configured with TLSv1.2 and TLSv1.3 out of the box. If you are already on this version, you can choose to skip this section and jump to the next section.

However, older versions of Stratusphere appliances supported older versions of SSL and TLS to allow for maximum compatibility with certain older Microsoft Windows-based machines still stuck on legacy browsers such as Internet Explorer. On older Microsoft Windows based machines, the CID Key also uses the existing Microsoft Internet Explorer downloading framework, forcing Stratusphere to ship with older versions of SSL and TLS for maximum compatibility. If legacy versions of browsers are still in use, these settings need to stay in place. However, if all of the legacy browsers have all been phased out, these configuration settings

can and should be hardened for a more secure posture. The configuration settings must be updated manually on the Hub and each Collector appliance installed.

Here are instructions on how to edit the configuration file on the Hub and each Collector to change these settings:

1. On the Stratusphere Hub and each Collector appliance:
 - a. Open a command line console to the appliance.
 - b. Log in by entering the User ID `friend` followed by your enhanced security STIG compliant password.
 - c. Enter the command `su -` and then enter your enhanced security STIG compliant password to switch to **root**.
2. Enter the command `vi` to edit the `/etc/lwl/httpd/httpd.conf` file.

```
vi /etc/lwl/httpd/httpd.conf
```

3. Use the `/` key to type and search for the `SSLProtocol` string. Note that this is case sensitive.
4. When found, go into **Insert** or **Append** mode by typing either the letter `i` or `a`.
5. Update the default line from `SSLProtocol All -SSLv2 -SSLv3` to `SSLProtocol TLSv1.2`

This will enable only TLS v1.2 on the Stratusphere appliance.
6. Use the **Escape** key and enter `:wq!` to **write** and **quit**.
7. Restart the Web Server to load the newly updated settings.

On versions up to 6.1.1, use the following command:

```
/etc/init.d/httpd restart
```

On versions 6.1.3 to 6.1.5, use the following command:

```
/etc/init.d/lwl-httpd24 restart
```

On versions 6.5.0 and higher, use the following command:

```
systemctl restart httpd
```

8. Press **CTRL+D** twice to log out of the console.

Install Connector ID Keys (Desktop Agents)

To install Connector ID Keys for desktop agents, complete the following steps:

1. Download the CID installer from the Hub's web interface and install it on desktops / base image for VDI.
2. Navigate to **Administration > Inventory Machines** and make sure the CID registers the desktops with the Hub.

CID Key Encryption

The CID Key uses straight SSL (TCP/443 with TLS 1.2) for communication with the Stratusphere Hub based on the URI located within the `mgrcert.pem` file. All communications are signed using public private keys generated by the CID Key and Hub. The CID Key generates a 2048-bit RSA public private key pair and provides the public key to the Stratusphere Hub during registration. The Hub validates the CID Key on the newly registered machine based on host name and proceeds with the registration process by providing an X.509 based `cert.txt` file that contains settings for the CID Key within custom option fields. The CID Key receives the `cert.txt` file from the Hub and uses the Hub's public key within the `mgrcert.pem` to verify it came from the Hub, and if so, goes ahead and begins using the new configuration settings within the `cert.txt`. From this point forward, the CID Key uses its private key to sign the payload it transmits to the Stratusphere Hub. The Hub uses the public key of the CID Key on that machine to validate it came from that CID Key on that machine before proceeding. All of this communication is within an encrypted SSL connection on TCP/443 using TLS 1.2.

Webserver Accounts and Usage

Accounts with Login Privileges

Account	UID	GID	Required	Role
friend	500	501	Yes	ssh access
root	0	0	Yes	root account
ssconsole	501	502	Yes	appliance configuration

Accounts Without Login Privileges (Internal System Accounts)

The following accounts are required for services, but do not have login privileges.

Account	Required	Notes
adm	Yes	
apache	Yes	
audit	Yes	
bin	Yes	
clam	Yes	
cntrlm	Yes	
daemon	Yes	
dbus	Yes	
distcache	Yes	
haldaemon	Yes	
identity	Yes	
impadmin	Yes	
lp	Yes	
mail	Yes	
mnobody	Yes	
munin	Yes	
nobody	Yes	
nscd	Yes	
ntp	Yes	
operator	Yes	
postfix	Yes	
postgres	Yes	
rrdcached	Yes	
saslauth	Yes	
sshd	Yes	
sync	No	No password set
tomcat	Yes	
unbound	Yes	
uucp	Yes	
vcsa	Yes	
vsservice	Yes	

Stratusphere Hub Appliance Installed Packages

1	acl-2.2.53-1.el8.x86_64
2	aide-0.16-14.el8_5.1.x86_64
3	alsa-lib-1.2.7.2-1.el8.x86_64
4	apache-commons-cli-1.4-4.module+el8+5161+5cac467c.noarch
5	apache-commons-codec-1.13-3.module_el8.2.0+364+b808f688.noarch
6	apache-commons-collections-3.2.2-10.module_el8.2.0+315+896aef55.noarch
7	apr-1.6.3-12.el8.x86_64
8	apr-util-1.6.1-6.el8.x86_64
9	apr-util-bdb-1.6.1-6.el8.x86_64
10	apr-util-openssl-1.6.1-6.el8.x86_64
11	armadillo-10.8.2-1.el8.x86_64
12	arpack-3.7.0-1.el8.x86_64
13	atk-2.28.1-1.el8.x86_64
14	atlas-3.10.3-8.el8.x86_64
15	audispd-plugins-3.0.7-4.el8.x86_64
16	audit-3.0.7-4.el8.x86_64
17	audit-libs-3.0.7-4.el8.x86_64
18	authselect-1.2.5-2.el8_7.x86_64
19	authselect-compat-1.2.5-2.el8_7.x86_64
20	authselect-libs-1.2.5-2.el8_7.x86_64
21	avahi-libs-0.7-20.el8.x86_64
22	basesystem-11-5.el8.noarch
23	bash-4.4.20-4.el8_6.x86_64
24	bc-1.07.1-5.el8.x86_64
25	bind-export-libs-9.11.36-5.el8_7.2.x86_64
26	binutils-2.30-117.0.3.el8.x86_64
27	blas-3.8.0-8.el8.x86_64
28	boost-atomic-1.66.0-13.el8.x86_64
29	boost-chrono-1.66.0-13.el8.x86_64
30	boost-date-time-1.66.0-13.el8.x86_64
31	boost-serialization-1.66.0-13.el8.x86_64
32	boost-system-1.66.0-13.el8.x86_64
33	boost-thread-1.66.0-13.el8.x86_64
34	bridge-utils-1.7.1-2.el8.x86_64

35 brotli-1.0.6-3.el8.x86_64
 36 bzip2-1.0.6-26.el8.x86_64
 37 bzip2-libs-1.0.6-26.el8.x86_64
 38 ca-certificates-2022.2.54-80.2.el8_6.noarch
 39 cairo-1.15.12-6.el8.x86_64
 40 c-ares-1.13.0-6.el8.x86_64
 41 centos-gpg-keys-8-2.el8.noarch
 42 cfitsio-3.47-1.el8.x86_64
 43 CGAL-4.14-1.rhel8.x86_64
 44 checkpolicy-2.9-1.el8.x86_64
 45 chkconfig-1.19.1-1.0.1.el8.x86_64
 46 chkrootkit-0.50-4el7.x86_64
 47 chrony-4.2-1.0.1.el8.x86_64
 48 cjkuni-ukai-fonts-0.2.20080216.1-51.el7.noarch
 49 cjkuni-uming-fonts-0.2.20080216.1-53.el7.noarch
 50 clamav-0.103.7-1.el8.x86_64
 51 clamav-filesystem-0.103.7-1.el8.noarch
 52 clamav-lib-0.103.7-1.el8.x86_64
 53 clamav-update-0.103.7-1.el8.x86_64
 54 cntlm-0.92.3-1.x86_64
 55 conntrack-tools-1.4.4-10.el8.x86_64
 56 copy-jdk-configs-4.0-2.el8.noarch
 57 coreutils-8.30-13.0.1.el8.x86_64
 58 coreutils-common-8.30-13.0.1.el8.x86_64
 59 cpio-2.12-11.el8.x86_64
 60 cracklib-2.9.6-15.el8.x86_64
 61 cracklib-dicts-2.9.6-15.el8.x86_64
 62 cronie-1.5.2-8.el8.x86_64
 63 cronie-anacron-1.5.2-8.el8.x86_64
 64 crontabs-1.11-17.20190603git.el8.noarch
 65 crypto-policies-20211116-1.gitae470d6.el8.noarch
 66 crypto-policies-scripts-20211116-1.gitae470d6.el8.noarch
 67 cryptsetup-2.3.7-2.el8.x86_64
 68 cryptsetup-libs-2.3.7-2.el8.x86_64
 69 cups-libs-2.2.6-50.el8.x86_64
 70 curl-7.61.1-25.el8_7.1.x86_64

```

71    cyrus-sasl-lib-2.1.27-6.el8_5.x86_64
72    dbus-1.12.8-23.0.1.el8_7.1.x86_64
73    dbus-common-1.12.8-23.0.1.el8_7.1.noarch
74    dbus-daemon-1.12.8-23.0.1.el8_7.1.x86_64
75    dbus-glib-0.110-2.el8.x86_64
76    dbus-libs-1.12.8-23.0.1.el8_7.1.x86_64
77    dbus-tools-1.12.8-23.0.1.el8_7.1.x86_64
78    dejavu-fonts-common-2.35-7.el8.noarch
79    dejavu-sans-mono-fonts-2.35-7.el8.noarch
80    device-mapper-1.02.181-6.el8.x86_64
81    device-mapper-libs-1.02.181-6.el8.x86_64
82    dhcp-client-4.3.6-48.el8_7.1.x86_64
83    dhcp-common-4.3.6-48.el8_7.1.noarch
84    dhcp-libs-4.3.6-48.el8_7.1.x86_64
85    diffutils-3.6-6.el8.x86_64
86    dmidecode-3.3-4.el8.x86_64
87    dnf-4.7.0-11.0.1.el8.noarch
88    dnf-automatic-4.7.0-11.0.1.el8.noarch
89    dnf-data-4.7.0-11.0.1.el8.noarch
90    dnf-plugins-core-4.0.21-14.1.0.1.el8.noarch
91    dracut-049-209.git20220815.0.1.el8.x86_64
92    dracut-config-rescue-049-209.git20220815.0.1.el8.x86_64
93    dracut-network-049-209.git20220815.0.1.el8.x86_64
94    dracut-squash-049-209.git20220815.0.1.el8.x86_64
95    dwz-0.12-10.el8.x86_64
96    e2fsprogs-1.45.6-5.el8.x86_64
97    e2fsprogs-libs-1.45.6-5.el8.x86_64
98    ed-1.14.2-4.el8.x86_64
99    efi-srpm-macros-3-3.0.1.el8.noarch
100   elfutils-0.187-4.el8.x86_64
101   elfutils-debuginfod-client-0.187-4.el8.x86_64
102   elfutils-default-yama-scope-0.187-4.el8.noarch
103   elfutils-libelf-0.187-4.el8.x86_64
104   elfutils-libs-0.187-4.el8.x86_64
105   elrepo-release-8.3-1.el8.elrepo.noarch
106   emacs-filesystem-26.1-7.el8.noarch

```

107 epel-release-8-18.el8.noarch
 108 ethtool-5.13-2.el8.x86_64
 109 expat-2.2.5-10.0.1.el8_7.1.x86_64
 110 expect-5.45.4-5.el8.x86_64
 111 fapolicyd-1.1.3-8.0.1.el8_7.1.x86_64
 112 fapolicyd-selinux-1.1.3-8.0.1.el8_7.1.noarch
 113 file-5.33-21.el8.x86_64
 114 file-libs-5.33-21.el8.x86_64
 115 filesystem-3.8-6.el8.x86_64
 116 findutils-4.6.0-20.el8.x86_64
 117 fipscheck-1.5.0-4.el8.x86_64
 118 fipscheck-lib-1.5.0-4.el8.x86_64
 119 firewall-filesystem-0.9.3-13.0.1.el8.noarch
 120 fontconfig-2.13.1-4.el8.x86_64
 121 fontpackages-filesystem-1.44-22.el8.noarch
 122 freetype-2.9.1-9.el8.x86_64
 123 freexl-1.0.6-4.el8.x86_64
 124 fribidi-1.0.4-9.el8.x86_64
 125 fuse-2.9.7-16.0.1.el8.x86_64
 126 fuse-common-3.3.0-16.0.1.el8.x86_64
 127 fuse-libs-2.9.7-16.0.1.el8.x86_64
 128 gawk-4.2.1-4.el8.x86_64
 129 gc-7.6.4-3.el8.x86_64
 130 GConf2-3.2.6-22.el8.x86_64
 131 gd-2.0.35-26.el7.x86_64
 132 gdal33-libs-3.3.3-5.rhel8.x86_64
 133 gdal34-libs-3.4.3-2.rhel8.x86_64
 134 gdb-headless-8.2-19.0.1.el8.x86_64
 135 gdbm-1.18-2.el8.x86_64
 136 gdbm-libs-1.18-2.el8.x86_64
 137 gdisk-1.0.3-11.el8.x86_64
 138 gdk-pixbuf2-2.36.12-5.el8.x86_64
 139 gdk-pixbuf2-modules-2.36.12-5.el8.x86_64
 140 geolite2-city-20180605-1.el8.noarch
 141 geolite2-country-20180605-1.el8.noarch
 142 geos310-3.10.3-1.rhel8.x86_64

143 geos39-3.9.2-1.rhel8.x86_64
 144 gettext-0.19.8.1-17.el8.x86_64
 145 gettext-libs-0.19.8.1-17.el8.x86_64
 146 ghc-srpm-macros-1.4.2-7.el8.noarch
 147 giflib-5.1.4-3.el8.x86_64
 148 glib2-2.56.4-159.0.1.el8.x86_64
 149 glibc-2.28-211.0.1.el8.x86_64
 150 glibc-common-2.28-211.0.1.el8.x86_64
 151 glibc-gconv-extra-2.28-211.0.1.el8.x86_64
 152 glibc-langpack-en-2.28-211.0.1.el8.x86_64
 153 glx-utils-8.4.0-5.20181118git1830dcb.el8.x86_64
 154 gmp-6.1.2-10.el8.x86_64
 155 gmp-c++-6.1.2-10.el8.x86_64
 156 gnupg2-2.2.20-3.el8_6.x86_64
 157 gnupg2-smime-2.2.20-3.el8_6.x86_64
 158 gnutls-3.6.16-5.el8_6.x86_64
 159 gobject-introspection-1.56.1-1.el8.x86_64
 160 go-srpm-macros-2-17.el8.noarch
 161 gpgme-1.13.1-11.el8.x86_64
 162 gpg-pubkey-00f97f56-467e318a
 163 gpg-pubkey-0364b949-58bd2928
 164 gpg-pubkey-1fef0014-6204dda2
 165 gpg-pubkey-2f86d6a1-5cf7cefb
 166 gpg-pubkey-442df0f8-608c8351
 167 gpg-pubkey-478f8947-5ff329c5
 168 gpg-pubkey-4c21a808-5e4a9a41
 169 gpg-pubkey-5ba5fa8d-5ccc6012
 170 gpg-pubkey-5f11735a-5a58bcd7
 171 gpg-pubkey-846a40cd-5f7b444a
 172 gpg-pubkey-8483c65d-5ccc5b19
 173 gpg-pubkey-ad986da3-5cabf60d
 174 gpg-pubkey-baadae52-49beffa4
 175 gpg-pubkey-bbae6f1b-5c790651
 176 gpsbabel-1.6.0-3.el8.x86_64
 177 graphite2-1.3.10-10.el8.x86_64
 178 grep-3.1-6.el8.x86_64


```

179    groff-base-1.22.3-18.el8.x86_64
180    grub2-common-2.02-142.0.1.el8.noarch
181    grub2-pc-2.02-142.0.1.el8.x86_64
182    grub2-pc-modules-2.02-142.0.1.el8.noarch
183    grub2-tools-2.02-142.0.1.el8.x86_64
184    grub2-tools-efi-2.02-142.0.1.el8.x86_64
185    grub2-tools-extra-2.02-142.0.1.el8.x86_64
186    grub2-tools-minimal-2.02-142.0.1.el8.x86_64
187    grubby-8.40-47.0.1.el8.x86_64
188    gtk2-2.24.32-5.el8.x86_64
189    gtk-update-icon-cache-3.22.30-11.el8.x86_64
190    guile-2.0.14-7.0.1.el8.x86_64
191    gzip-1.9-13.el8_5.x86_64
192    hardlink-1.3-6.el8.x86_64
193    harfbuzz-1.7.5-3.el8.x86_64
194    hdf-4.2.14-5.el8.x86_64
195    hdf5-1.10.5-4.el8.x86_64
196    hdparm-9.54-4.el8.x86_64
197    hicolor-icon-theme-0.17-2.el8.noarch
198    hostname-3.20-6.el8.x86_64
199    httpd-2.4.37-51.0.1.module+el8.7.0+20778+02173b8e.x86_64
200    httpd-filesystem-2.4.37-51.0.1.module+el8.7.0+20778+02173b8e.noarch
201    httpd-tools-2.4.37-51.0.1.module+el8.7.0+20778+02173b8e.x86_64
202    hwdata-0.314-8.14.el8.noarch
203    ima-evm-utils-1.3.2-12.el8.x86_64
204    info-6.5-7.el8.x86_64
205    initscripts-10.00.18-1.el8.x86_64
206    ipa-gothic-fonts-003.03-5.el7.noarch
207    ipa-mincho-fonts-003.03-5.el7.noarch
208    ipa-pgothic-fonts-003.03-5.el7.noarch
209    ipa-pmincho-fonts-003.03-5.el7.noarch
210    ipcalc-0.2.4-4.el8.x86_64
211    iproute-5.18.0-1.el8.x86_64
212    iprutils-2.4.19-1.el8.x86_64
213    ipset-7.1-1.el8.x86_64
214    ipset-libs-7.1-1.el8.x86_64

```

215	iptables-1.8.4-23.0.1.el8.x86_64
216	iptables-libs-1.8.4-23.0.1.el8.x86_64
217	iptables-services-1.8.4-23.0.1.el8.x86_64
218	iputils-20180629-10.el8.x86_64
219	irqbalance-1.9.0-3.el8.x86_64
220	jansson-2.14-1.el8.x86_64
221	jasper-libs-2.0.14-5.el8.x86_64
222	java-1.8.0-openjdk-1.8.0.352.b08-2.el8_7.x86_64
223	java-1.8.0-openjdk-devel-1.8.0.352.b08-2.el8_7.x86_64
224	java-1.8.0-openjdk-headless-1.8.0.352.b08-2.el8_7.x86_64
225	javapackages-filesystem-5.3.0-1.module+el8+5136+7ff78f74.noarch
226	jbigkit-libs-2.1-14.el8.x86_64
227	jq-1.6-3.el8.x86_64
228	json-c-0.13.1-3.el8.x86_64
229	kbd-2.0.4-10.el8.x86_64
230	kbd-legacy-2.0.4-10.el8.noarch
231	kbd-misc-2.0.4-10.el8.noarch
232	kernel-4.18.0-425.10.1.el8_7.x86_64
233	kernel-core-4.18.0-425.10.1.el8_7.x86_64
234	kernel-modules-4.18.0-425.10.1.el8_7.x86_64
235	kernel-tools-4.18.0-425.10.1.el8_7.x86_64
236	kernel-tools-libs-4.18.0-425.10.1.el8_7.x86_64
237	kexec-tools-2.0.24-6.0.1.el8.x86_64
238	keyutils-libs-1.5.10-9.el8.x86_64
239	kmod-25-19.0.2.el8.x86_64
240	kmod-libs-25-19.0.2.el8.x86_64
241	kpartx-0.8.4-28.el8_7.1.x86_64
242	krb5-libs-1.18.2-22.0.1.el8_7.x86_64
243	lapack-3.8.0-8.el8.x86_64
244	lcms2-2.9-2.el8.x86_64
245	ldns-1.7.0-21.el8.x86_64
246	less-530-1.el8.x86_64
247	libacl-2.2.53-1.el8.x86_64
248	libaec-1.0.2-3.el8.x86_64
249	libarchive-3.3.3-4.el8.x86_64
250	libassuan-2.5.1-3.el8.x86_64

251	libatomic_ops-7.6.2-3.el8.x86_64
252	libattr-2.4.48-3.el8.x86_64
253	libbabeltrace-1.5.4-4.el8.x86_64
254	libbasicobjects-0.1.1-40.el8.x86_64
255	libblkid-2.32.1-39.el8_7.x86_64
256	libbpf-0.5.0-1.el8.x86_64
257	libbsd-0.11.7-2.el8.x86_64
258	libcap-2.48-4.el8.x86_64
259	libcap-ng-0.7.11-1.el8.x86_64
260	libcap-ng-utils-0.7.11-1.el8.x86_64
261	libcollection-0.7.0-40.el8.x86_64
262	libcom_err-1.45.6-5.el8.x86_64
263	libcomps-0.1.18-1.el8.x86_64
264	libcroco-0.6.12-4.el8_2.1.x86_64
265	libcurl-7.61.1-25.el8_7.1.x86_64
266	libdap-3.19.1-2.el8.x86_64
267	libdatrie-0.2.9-7.el8.x86_64
268	libdb-5.3.28-42.el8_4.x86_64
269	libdb-utils-5.3.28-42.el8_4.x86_64
270	libdhash-0.5.0-40.el8.x86_64
271	libdnf-0.63.0-11.1.0.1.el8.x86_64
272	libdrm-2.4.111-1.el8.x86_64
273	libedit-3.1-23.20170329cvs.el8.x86_64
274	liberation-fonts-common-2.00.3-7.el8.noarch
275	liberation-mono-fonts-2.00.3-7.el8.noarch
276	liberation-sans-fonts-2.00.3-7.el8.noarch
277	liberation-serif-fonts-2.00.3-7.el8.noarch
278	libestr-0.1.10-3.el8.x86_64
279	libevdev-1.10.0-1.el8.x86_64
280	libevent-2.1.8-5.el8.x86_64
281	libfastjson-0.99.9-1.el8.x86_64
282	libfdisk-2.32.1-39.el8_7.x86_64
283	libffi-3.1-23.el8.x86_64
284	libfontenc-1.1.3-8.el8.x86_64
285	libgcc-8.5.0-16.0.1.el8_7.x86_64
286	libgcrypt-1.8.5-7.el8_6.x86_64

287 libgeotiff16-1.6.0-6.rhel8.x86_64
 288 libgeotiff16-devel-1.6.0-6.rhel8.x86_64
 289 libgfortran-8.5.0-16.0.1.el8_7.x86_64
 290 libglvnd-1.3.4-1.el8.x86_64
 291 libglvnd-egl-1.3.4-1.el8.x86_64
 292 libglvnd-glx-1.3.4-1.el8.x86_64
 293 libgomp-8.5.0-16.0.1.el8_7.x86_64
 294 libgpg-error-1.31-1.el8.x86_64
 295 libgta-1.2.1-1.el8.x86_64
 296 libgudev-232-4.el8.x86_64
 297 libibverbs-41.0-1.el8.x86_64
 298 libICE-1.0.9-15.el8.x86_64
 299 libicu-60.3-2.el8_1.x86_64
 300 libidn2-2.2.0-1.el8.x86_64
 301 libini_config-1.3.1-40.el8.x86_64
 302 libinput-1.16.3-3.el8_6.x86_64
 303 libipt-1.6.1-8.el8.x86_64
 304 libjpeg-turbo-1.5.3-12.el8.x86_64
 305 libkcapi-1.2.0-2.0.1.el8.x86_64
 306 libkcapi-hmaccalc-1.2.0-2.0.1.el8.x86_64
 307 libksba-1.3.5-8.el8_6.x86_64
 308 libldb-2.5.2-2.el8.x86_64
 309 libmaxminddb-1.2.0-10.el8.x86_64
 310 libmd-1.0.4-2.el8.x86_64
 311 libmetalink-0.1.3-7.el8.x86_64
 312 libmnl-1.0.4-6.el8.x86_64
 313 libmodulemd1-1.8.16-0.2.13.0.1.x86_64
 314 libmodulemd2-2.13.0-1.el8.x86_64
 315 libmount-2.32.1-39.el8_7.x86_64
 316 libmspack-0.7-0.3.alpha.el8.4.x86_64
 317 libnetfilter_conntrack-1.0.6-5.el8.x86_64
 318 libnetfilter_cthelper-1.0.0-15.el8.x86_64
 319 libnetfilter_cttimeout-1.0.0-11.el8.x86_64
 320 libnetfilter_queue-1.0.4-3.el8.x86_64
 321 libnfnetlink-1.0.1-13.el8.x86_64
 322 libnfsidmap-2.3.3-57.el8.x86_64

323 libnftnl-1.1.5-5.el8.x86_64
 324 libnghttp2-1.41.0-1.module_el8+9071+b2b61c14.x86_64
 325 libnl3-3.7.0-1.el8.x86_64
 326 libnsl2-1.2.0-2.20180605git4a062cf.el8.x86_64
 327 libnsl-2.28-211.0.1.el8.x86_64
 328 libpath_utils-0.2.1-40.el8.x86_64
 329 libpcap-1.9.1-5.el8.x86_64
 330 libpciaccess-0.14-1.el8.x86_64
 331 libpipeline-1.5.0-2.el8.x86_64
 332 libpkgconf-1.4.2-1.el8.x86_64
 333 libpng12-1.2.57-5.el8.x86_64
 334 libpng15-1.5.30-7.el8.x86_64
 335 libpng-1.6.34-5.el8.x86_64
 336 libpq5-15.1-42PGDG.rhel8.x86_64
 337 libprelude-5.2.0-1.el8.x86_64
 338 libpsl-0.20.2-6.el8.x86_64
 339 libpwquality-1.4.4-5.el8.x86_64
 340 libqb-1.0.3-13.el8_7.x86_64
 341 libquadmath-8.5.0-16.0.1.el8_7.x86_64
 342 libref_array-0.1.5-40.el8.x86_64
 343 librepo-1.14.2-3.el8.x86_64
 344 libreport-filessystem-2.9.5-15.0.3.el8.x86_64
 345 libreswan-4.5-1.0.1.el8.x86_64
 346 librttopo-1.1.0-1.rhel8.x86_64
 347 libseccomp-2.5.2-1.el8.x86_64
 348 libsecret-0.18.6-1.el8.x86_64
 349 libselinux-2.9-6.el8.x86_64
 350 libselinux-utils-2.9-6.el8.x86_64
 351 libsemanage-2.9-9.el8_6.x86_64
 352 libsepol-2.9-3.el8.x86_64
 353 libsigsegv-2.11-5.el8.x86_64
 354 libSM-1.2.3-1.el8.x86_64
 355 libsmartcols-2.32.1-39.el8_7.x86_64
 356 libsolve-0.7.20-4.el8_7.x86_64
 357 libspatialite50-5.0.1-4.rhel8.x86_64
 358 libspatialite50-devel-5.0.1-4.rhel8.x86_64

359 libss-1.45.6-5.el8.x86_64
 360 libssh-0.9.6-3.el8.x86_64
 361 libssh-config-0.9.6-3.el8.noarch
 362 libsss_autofs-2.7.3-4.0.1.el8_7.3.x86_64
 363 libsss_certmap-2.7.3-4.0.1.el8_7.3.x86_64
 364 libsss_idmap-2.7.3-4.0.1.el8_7.3.x86_64
 365 libsss_nss_idmap-2.7.3-4.0.1.el8_7.3.x86_64
 366 libsss_sudo-2.7.3-4.0.1.el8_7.3.x86_64
 367 libstdc++-8.5.0-16.0.1.el8_7.x86_64
 368 libsysfs-2.1.0-25.el8.x86_64
 369 libtalloc-2.3.3-2.el8.x86_64
 370 libtasn1-4.13-4.el8_7.x86_64
 371 libtdb-1.4.6-1.el8.x86_64
 372 libtevent-0.12.0-0.el8.x86_64
 373 libthai-0.1.27-2.el8.x86_64
 374 libtiff-4.0.9-26.el8_7.x86_64
 375 libtiff-devel-4.0.9-26.el8_7.x86_64
 376 libtirpc-1.1.4-8.el8.x86_64
 377 libtool-ltdl-2.4.6-25.el8.x86_64
 378 libunistring-0.9.9-3.el8.x86_64
 379 libusb-0.1.5-12.el8.x86_64
 380 libusbx-1.0.23-4.el8.x86_64
 381 libuser-0.62-24.el8.x86_64
 382 libutempter-1.1.6-14.el8.x86_64
 383 libuuid-2.32.1-39.el8_7.x86_64
 384 libverto-0.3.2-2.el8.x86_64
 385 libwacom-1.6-3.el8.x86_64
 386 libwacom-data-1.6-3.el8.noarch
 387 libwayland-client-1.19.0-1.el8.x86_64
 388 libwayland-server-1.19.0-1.el8.x86_64
 389 libwebp-1.0.0-5.el8.x86_64
 390 libX11-1.6.8-5.el8.x86_64
 391 libX11-common-1.6.8-5.el8.noarch
 392 libX11-xcb-1.6.8-5.el8.x86_64
 393 libXau-1.0.9-3.el8.x86_64
 394 libxcb-1.13.1-1.el8.x86_64

395 libXcomposite-0.4.4-14.el8.x86_64
 396 libxcrypt-4.1.1-6.el8.x86_64
 397 libXcursor-1.1.15-3.el8.x86_64
 398 libXdamage-1.1.4-14.el8.x86_64
 399 libXext-1.3.4-1.el8.x86_64
 400 libXfixes-5.0.3-7.el8.x86_64
 401 libXft-2.3.3-1.el8.x86_64
 402 libXi-1.7.10-1.el8.x86_64
 403 libXinerama-1.1.4-1.el8.x86_64
 404 libxkbcommon-0.9.1-1.el8.x86_64
 405 libxkbcommon-x11-0.9.1-1.el8.x86_64
 406 libxml2-2.9.7-15.el8_7.1.x86_64
 407 libXpm-3.5.12-8.el8.x86_64
 408 libXrandr-1.5.2-1.el8.x86_64
 409 libXrender-0.9.10-7.el8.x86_64
 410 libxshmfence-1.3-2.el8.x86_64
 411 libxslt-1.1.32-6.0.1.el8.x86_64
 412 libXtst-1.2.3-7.el8.x86_64
 413 libXxf86vm-1.1.4-9.el8.x86_64
 414 libyaml-0.1.7-5.el8.x86_64
 415 libzstd-1.4.4-1.0.1.el8.x86_64
 416 linux-firmware-20220907-999.14.git2f2f0181.el8.noarch
 417 linux-firmware-core-20220907-999.14.git2f2f0181.el8.noarch
 418 lksctp-tools-1.0.18-3.el8.x86_64
 419 lmdb-libs-0.9.24-1.el8.x86_64
 420 lm_sensors-libs-3.4.0-23.20180522git70f7e08.el8.x86_64
 421 logrotate-3.14.0-4.el8.x86_64
 422 lohith-devanagari-fonts-2.95.4-3.el8.noarch
 423 lshw-B.02.19.2-6.el8.x86_64
 424 lsof-4.93.2-1.el8.x86_64
 425 lsscsi-0.32-3.el8.x86_64
 426 lua-5.3.4-12.el8.x86_64
 427 lua-libs-5.3.4-12.el8.x86_64
 428 lwl-apache-jakarta-tomcat-9.0.70-80502.noarch
 429 lwl-base-appliance-8.0-202301201036.stable.e7b3be9.noarch
 430 lwl-base-appliance-oracle-8.0-202301201036.stable.e7b3be9.noarch

431 lwl-base-appliance-vmware-8.0-master.916427a.noarch
 432 lwl-birt-extras-1.0.0-66191.noarch
 433 lwl-birt-reports-1.0.1-80344.noarch
 434 lwl-birt-runtime-4.4.2-76957.noarch
 435 lwl-collector-1.0.1-78995.noarch
 436 lwl-collector-backend-1.0.1-80509.noarch
 437 lwl-collector-backend-deps-1.0.0-80509.noarch
 438 lwl-collector-common-1.0.1-78995.noarch
 439 lwl-common-identity-osgi-modules-1.0.1-1.noarch
 440 lwl-common-osgi-modules-1.0.11-1.noarch
 441 lwl-config-utils-1.0.0-80173.noarch
 442 lwl-console-2.0.0-78564.noarch
 443 lwl-db-setup-1.0.0-80275.noarch
 444 lwl-diag-common-1.0.0-80072.noarch
 445 lwl-httpd-config-1.0.2-79917.noarch
 446 lwl-hub-1.0.1-78981.noarch
 447 lwl-hub-common-1.0.1-80046.noarch
 448 lwl-hub-config-1.0.2-80412.x86_64
 449 lwl-hub-config-systemd-1.0.2-80412.x86_64
 450 lwl-hub-munin-1.0.1-77568.noarch
 451 lwl-hub-munin-postgresql-1.0.1-77568.noarch
 452 lwl-java-setup-1.6.0-79433.noarch
 453 lwl-keyring-1.0.8-80181.noarch
 454 lwl-mentok-6.6.2-80309.x86_64
 455 lwl-module-active-users-tracking-0.33-1.noarch
 456 lwl-module-apache-common-beanutils-1.9.4-3.noarch
 457 lwl-module-apache-common-codec-1.15-1.noarch
 458 lwl-module-apache-common-collections-4.4-2.noarch
 459 lwl-module-apache-common-csv-1.4-1.noarch
 460 lwl-module-apache-common-http-client-4.5.13-1.noarch
 461 lwl-module-apache-common-math-3.6.1-2.noarch
 462 lwl-module-apache-commons-lang3-3.11-1.noarch
 463 lwl-module-atomikos-5.0.9-3.noarch
 464 lwl-module-auth-model-0.4-1.noarch
 465 lwl-module-bouncycastle-1.72-1.noarch
 466 lwl-module-common-dao-impl-jdbc-0.94-1.noarch

467 lwl-module-common-rest-api-0.80-1.noarch
 468 lwl-module-database-config-0.152-1.noarch
 469 lwl-module-database-copy-postgresql-0.15-1.noarch
 470 lwl-module-database-datasourceprovider-atomikos-0.12-1.noarch
 471 lwl-module-database-datasourceprovider-postgresql-0.13-1.noarch
 472 lwl-module-database-dbinfoprovider-properties-0.10-1.noarch
 473 lwl-module-database-dbinfoprovider-simple-0.6-1.noarch
 474 lwl-module-database-monitor-postgresql-0.4-1.noarch
 475 lwl-module-database-partition-postgresql-0.25-1.noarch
 476 lwl-module-datastore-dao-0.16-1.noarch
 477 lwl-module-datastore-dao-impl-jdbc-0.26-1.noarch
 478 lwl-module-datastore-model-0.7-1.noarch
 479 lwl-module-domain-dao-0.22-1.noarch
 480 lwl-module-domain-dao-impl-jdbc-0.28-1.noarch
 481 lwl-module-domain-model-0.20.1-1.noarch
 482 lwl-module-eventbus-0.37-1.noarch
 483 lwl-module-executorservice-0.63-1.noarch
 484 lwl-module-fam-0.33-1.noarch
 485 lwl-module-globalopts-dao-0.8-1.noarch
 486 lwl-module-globalopts-dao-impl-jdbc-0.31-1.noarch
 487 lwl-module-globalopts-model-0.26-1.noarch
 488 lwl-module-graphql-17.3-1.noarch
 489 lwl-module-groovy-3.0.7-1.noarch
 490 lwl-module-gson-2.8.5-3.noarch
 491 lwl-module-guava-28.2-2.noarch
 492 lwl-module-hardware-profile-converter-0.8-1.noarch
 493 lwl-module-hardware-profile-converter-nutanix-0.3-1.noarch
 494 lwl-module-hardware-profile-converter-vmware-0.4-1.noarch
 495 lwl-module-hashid-generator-0.6-1.noarch
 496 lwl-module-hashid-generator-default-0.2-1.noarch
 497 lwl-module-hibernate-5.2.10-Final.1.noarch
 498 lwl-module-host-dao-0.13-1.noarch
 499 lwl-module-host-dao-impl-jdbc-0.27-1.noarch
 500 lwl-module-host-model-0.15-1.noarch
 501 lwl-module-jasypt-1.9.3-2.noarch
 502 lwl-module-java-mail-1.6.2-2.noarch

503 lwl-module-json-provider-0.10-1.noarch
 504 lwl-module-json-provider-gson-0.11-1.noarch
 505 lwl-module-ldap-dao-0.3-1.noarch
 506 lwl-module-ldap-dao-impl-spring-0.10-1.noarch
 507 lwl-module-license-dao-0.22-1.noarch
 508 lwl-module-license-dao-impl-jdbc-0.36-1.noarch
 509 lwl-module-license-decoder-0.9-1.noarch
 510 lwl-module-license-decoder-cert-0.4-1.noarch
 511 lwl-module-license-decoder-xml-0.17-1.noarch
 512 lwl-module-license-model-0.15-1.noarch
 513 lwl-module-logrecord-dao-0.4-1.noarch
 514 lwl-module-logrecord-dao-impl-jdbc-0.21-1.noarch
 515 lwl-module-logrecord-model-0.7-1.noarch
 516 lwl-module-node-dao-0.40-1.noarch
 517 lwl-module-node-dao-impl-jdbc-0.72-1.noarch
 518 lwl-module-node-group-dao-0.13-1.noarch
 519 lwl-module-node-group-dao-impl-jdbc-0.21-1.noarch
 520 lwl-module-node-group-model-0.6-1.noarch
 521 lwl-module-node-model-0.25-1.noarch
 522 lwl-module-objectbase-0.25-1.noarch
 523 lwl-module-oval-0.14-1.noarch
 524 lwl-module-password-dao-0.3-1.noarch
 525 lwl-module-password-dao-impl-jdbc-0.5-1.noarch
 526 lwl-module-password-model-0.2-1.noarch
 527 lwl-module-password-util-0.14-1.noarch
 528 lwl-module-postgresql-jdbc-42.5.1-1.noarch
 529 lwl-module-preferences-dao-0.16-1.noarch
 530 lwl-module-preferences-dao-jdbc-0.12-1.noarch
 531 lwl-module-preferences-model-0.2-1.noarch
 532 lwl-module-propholder-0.32-1.noarch
 533 lwl-module-quartz-2.3.2-1.noarch
 534 lwl-module-scheduler-0.12-1.noarch
 535 lwl-module-session-dao-0.9-1.noarch
 536 lwl-module-session-dao-impl-jdbc-0.14-1.noarch
 537 lwl-module-session-model-0.13-1.noarch
 538 lwl-module-slf4j-1.7.30-1.noarch

539 lwl-module-station-dao-0.9-1.noarch
 540 lwl-module-station-dao-impl-jdbc-0.14-1.noarch
 541 lwl-module-stratusphere-api-auth-0.84-1.noarch
 542 lwl-module-stratusphere-api-cert-0.9-1.noarch
 543 lwl-module-stratusphere-api-dashboard-0.9-1.noarch
 544 lwl-module-stratusphere-api-heartbeat-0.1-1.noarch
 545 lwl-module-stratusphere-api-inventory-domain-0.7-1.noarch
 546 lwl-module-stratusphere-api-inventory-globalopts-0.4-1.noarch
 547 lwl-module-stratusphere-api-inventory-node-0.20-1.noarch
 548 lwl-module-stratusphere-api-inventory-node-group-0.24-1.noarch
 549 lwl-module-stratusphere-api-inventory-user-0.28-1.noarch
 550 lwl-module-stratusphere-api-inventory-user-group-0.26-1.noarch
 551 lwl-module-stratusphere-api-license-0.27-1.noarch
 552 lwl-module-stratusphere-api-overview-0.84-1.noarch
 553 lwl-module-stratusphere-api-overview-data-0.84-1.noarch
 554 lwl-module-stratusphere-api-preferences-0.11-1.noarch
 555 lwl-module-stratusphere-api-reporting-0.8.4-1.noarch
 556 lwl-module-stratusphere-api-search-0.3-1.noarch
 557 lwl-module-stratusphere-api-software-cid-0.28-1.noarch
 558 lwl-module-stratusphere-api-update-0.39-1.noarch
 559 lwl-module-stratusphere-database-config-0.31-1.noarch
 560 lwl-module-stratusphere-inspection-data-processor-copy-0.250-1.noarch
 561 lwl-module-stratusphere-inspection-data-reader-0.35-1.noarch
 562 lwl-module-stratusphere-inspection-data-rollup-0.124-1.noarch
 563 lwl-module-stratusphere-inspection-login-session-summarize-0.7-1.noarch
 564 lwl-module-stratusphere-session-utils-0.64-1.noarch
 565 lwl-module-tnt-common-java-1.4-1.noarch
 566 lwl-module-tnt-identity-common-backend-1.1-0.noarch
 567 lwl-module-tnt-identity-common-java-1.6-1.noarch
 568 lwl-module-ung-0.11-1.noarch
 569 lwl-module-unique-number-generator-impl-jdbc-0.17-1.noarch
 570 lwl-module-urldetails-dao-0.10-1.noarch
 571 lwl-module-urldetails-dao-impl-jdbc-0.8-1.noarch
 572 lwl-module-urldetails-model-0.4-1.noarch
 573 lwl-module-user-dao-0.33-1.noarch
 574 lwl-module-user-dao-impl-jdbc-0.50-1.noarch

575 lwl-module-user-group-dao-0.19-1.noarch
 576 lwl-module-user-group-dao-impl-jdbc-0.15-1.noarch
 577 lwl-module-user-group-model-0.6-1.noarch
 578 lwl-module-user-model-0.18-1.noarch
 579 lwl-module-vijava-6.0.05-1.noarch
 580 lwl-module-vms-connector-0.45-1.noarch
 581 lwl-module-vms-connector-nutanix-0.23-1.noarch
 582 lwl-module-vms-connector-vmware-0.117-1.noarch
 583 lwl-module-vms-dao-0.38-1.noarch
 584 lwl-module-vms-dao-impl-jdbc-0.39-1.noarch
 585 lwl-module-vms-dao-util-0.50-1.noarch
 586 lwl-module-vms-event-processor-inventory-monitor-0.21-1.noarch
 587 lwl-module-vms-metric-processor-raw-jdbc-0.33-1.noarch
 588 lwl-module-vms-model-0.40-1.noarch
 589 lwl-munin-1.0.0-77567.noarch
 590 lwl-natsd-0.25.2-1.x86_64
 591 lwl-service-applianced-0.3.0-202210050715.x86_64
 592 lwl-service-cidd-0.1.1-202206271215.x86_64
 593 lwl-servicemix-base-6.1.4-16.noarch
 594 lwl-snmp-1.2.3-78342.noarch
 595 lwl-ssl-cert-1.0.0-79762.noarch
 596 lwl-station-munin-1.0.0-67978.noarch
 597 lwl-stratusphere-hub-osgi-modules-1.0.32-1.noarch
 598 lwl-stratusphere-internal-stats-module-0.22-1.noarch
 599 lwl-stratusphere-login-ui-0.1-4.noarch
 600 lwl-stratusphere-ui-6.6.2-202301181300.noarch
 601 lwl-stratusphere-web-2.0.5-80512.noarch
 602 lwl-stratusphere-web-apibuilder-2.0.5-80512.noarch
 603 lwl-stratusphere-web-dashboard-2.0.6-202211051334.noarch
 604 lwl-stratusphere-web-filesystem-2.0.5-80512.noarch
 605 lz4-libs-1.8.3-3.el8_4.x86_64
 606 lzo-2.08-14.el8.x86_64
 607 mailcap-2.1.48-3.el8.noarch
 608 mailx-12.5-29.el8.x86_64
 609 mariadb-connector-c-3.1.11-2.el8_3.x86_64
 610 mariadb-connector-c-config-3.1.11-2.el8_3.noarch

611 memstrack-0.2.4-2.el8.x86_64
 612 mesa-libEGL-22.1.5-2.el8.x86_64
 613 mesa-libgbm-22.1.5-2.el8.x86_64
 614 mesa-libGL-22.1.5-2.el8.x86_64
 615 mesa-libglapi-22.1.5-2.el8.x86_64
 616 microcode_ctl-20220809-1.0.1.el8.x86_64
 617 minizip-2.8.9-2.el8.x86_64
 618 mod_fcgid-2.3.9-17.el8.x86_64
 619 mod_http2-1.15.7-5.module+el8.6.0+20548+01710940.x86_64
 620 mod_security-2.9.2-9.el8.x86_64
 621 mod_security_crs-3.3.0-2.el8.noarch
 622 mod_ssl-2.4.37-51.0.1.module+el8.7.0+20778+02173b8e.x86_64
 623 mozjs60-60.9.0-4.0.1.el8.x86_64
 624 mpfr-3.1.6-1.el8.x86_64
 625 mtdev-1.1.5-12.el8.x86_64
 626 munin-2.0.69-5.el8.noarch
 627 munin-apache-2.0.69-5.el8.noarch
 628 munin-common-2.0.69-5.el8.noarch
 629 munin-node-2.0.69-5.el8.noarch
 630 ncurses-6.1-9.20180224.el8.x86_64
 631 ncurses-base-6.1-9.20180224.el8.noarch
 632 ncurses-libs-6.1-9.20180224.el8.x86_64
 633 netcdf-4.7.0-2.el8.x86_64
 634 net-snmp-5.8-25.0.1.el8_7.1.x86_64
 635 net-snmp-agent-libs-5.8-25.0.1.el8_7.1.x86_64
 636 net-snmp-libs-5.8-25.0.1.el8_7.1.x86_64
 637 net-snmp-utils-5.8-25.0.1.el8_7.1.x86_64
 638 nettle-3.4.1-7.el8.x86_64
 639 net-tools-2.0-0.52.20160912git.el8.x86_64
 640 network-scripts-10.00.18-1.el8.x86_64
 641 nhn-nanum-brush-fonts-1.100-9.el7.noarch
 642 nhn-nanum-fonts-common-3.020-9.el7.noarch
 643 nhn-nanum-gothic-fonts-3.020-9.el7.noarch
 644 nhn-nanum-myeongjo-fonts-3.020-9.el7.noarch
 645 nhn-nanum-pen-fonts-1.100-9.el7.noarch
 646 npth-1.5-4.el8.x86_64

647 nscd-2.28-211.0.1.el8.x86_64
 648 nspr-4.34.0-3.el8_6.x86_64
 649 nss-3.79.0-10.el8_6.x86_64
 650 nss-softokn-3.79.0-10.el8_6.x86_64
 651 nss-softokn-freebl-3.79.0-10.el8_6.x86_64
 652 nss-sysinit-3.79.0-10.el8_6.x86_64
 653 nss-tools-3.79.0-10.el8_6.x86_64
 654 nss-util-3.79.0-10.el8_6.x86_64
 655 numactl-libs-2.0.12-13.el8.x86_64
 656 ocaml-srpm-macros-5-4.el8.noarch
 657 oddjob-0.34.7-2.el8.x86_64
 658 oddjob-mkhomedir-0.34.7-2.el8.x86_64
 659 ogdi41-4.1.0-2.rhel8.x86_64
 660 ongres-scrum-1.0.0~beta.2-5.el8.noarch
 661 ongres-scrum-client-1.0.0~beta.2-5.el8.noarch
 662 oniguruma-6.8.2-2.el8.x86_64
 663 openblas-0.3.15-4.el8.x86_64
 664 openblas-openmp-0.3.12-1.el8.x86_64
 665 openblas-srpm-macros-2-2.el8.noarch
 666 openblas-threads-0.3.15-4.el8.x86_64
 667 openblas-threads64_-0.3.12-1.el8.x86_64
 668 openjpeg2-2.4.0-5.el8.x86_64
 669 openldap-2.4.46-18.el8.x86_64
 670 openscap-1.3.6-4.0.1.el8.x86_64
 671 openscap-scanner-1.3.6-4.0.1.el8.x86_64
 672 openscap-utils-1.3.6-4.0.1.el8.x86_64
 673 openssh-8.0p1-16.el8.x86_64
 674 openssh-clients-8.0p1-16.el8.x86_64
 675 openssh-server-8.0p1-16.el8.x86_64
 676 openssl-1.1.1k-7.el8_6.x86_64
 677 openssl-libs-1.1.1k-7.el8_6.x86_64
 678 openssl-perl-1.1.1k-7.el8_6.x86_64
 679 openssl-pkcs11-0.4.10-2.el8.x86_64
 680 open-vm-tools-12.0.5-2.0.1.el8.x86_64
 681 oracle-epel-release-el8-1.0-5.el8.x86_64
 682 oraclelinux-release-8.7-1.0.6.el8.x86_64

683 oraclelinux-release-el8-1.0-28.el8.x86_64
 684 oracle-logos-httpd-84.5-1.0.1.el8.noarch
 685 os-prober-1.74-9.0.1.el8.x86_64
 686 p11-kit-0.23.22-1.el8.x86_64
 687 p11-kit-trust-0.23.22-1.el8.x86_64
 688 p7zip-9.20.1-2.el5.x86_64
 689 pam-1.3.1-22.el8.x86_64
 690 pango-1.42.4-8.el8.x86_64
 691 parted-3.2-39.0.1.el8.x86_64
 692 passwd-0.80-4.el8.x86_64
 693 patch-2.7.6-11.el8.x86_64
 694 pciutils-3.7.0-1.el8.x86_64
 695 pciutils-libs-3.7.0-1.el8.x86_64
 696 pcre2-10.32-3.el8_6.x86_64
 697 pcre2-utf16-10.32-3.el8_6.x86_64
 698 pcre-8.42-6.el8.x86_64
 699 perl-Authen-SASL-2.16-13.el8.noarch
 700 perl-B-Hooks-EndOfScope-0.21-6.el8.noarch
 701 perl-bignum-0.49-2.el8.noarch
 702 perl-Cache-Cache-1.08-15.el8.noarch
 703 perl-Carp-1.42-396.el8.noarch
 704 perl-CGI-4.38-2.el8.noarch
 705 perl-CGI-Fast-2.15-3.el8.noarch
 706 perl-Class-Data-Inheritable-0.08-27.el8.noarch
 707 perl-Class-Inspector-1.32-2.el8.noarch
 708 perl-Class-Method-Modifiers-2.12-8.el8.noarch
 709 perl-Class-Singleton-1.5-9.el8.noarch
 710 perl-Compress-Raw-Bzip2-2.081-1.el8.x86_64
 711 perl-Compress-Raw-Zlib-2.081-1.el8.x86_64
 712 perl-constant-1.33-396.el8.noarch
 713 perl-Convert-ASN1-0.27-17.el8.noarch
 714 perl-Convert-UU-0.5201-27.el8.noarch
 715 perl-Crypt-DES-2.07-19.1.el8.x86_64
 716 perl-Data-Dump-1.23-7.module+el8.3.0+7692+542c56f9.noarch
 717 perl-Data-Dumper-2.167-399.el8.x86_64
 718 perl-Data-OptList-0.110-6.el8.noarch

719 perl-Date-ISO8601-0.005-2.el8.noarch
 720 perl-Date-Manip-6.60-2.el8.noarch
 721 perl-DateTime-1.50-1.el8.x86_64
 722 perl-DateTime-Locale-1.17-2.el8.noarch
 723 perl-DateTime-TimeZone-2.19-1.el8.noarch
 724 perl-DateTime-TimeZone-SystemV-0.010-3.el8.noarch
 725 perl-DateTime-TimeZone-Tzfile-0.011-3.el8.noarch
 726 perl-DBD-Pg-3.7.4-4.module+el8.3.0+7675+2476f418.x86_64
 727 perl-DBI-1.641-4.module+el8.6.0+20590+70c0920f.x86_64
 728 perl-Devel-CallChecker-0.008-3.el8.x86_64
 729 perl-Devel-Caller-2.06-15.el8.x86_64
 730 perl-Devel-GlobalDestruction-0.14-5.el8.noarch
 731 perl-Devel-LexAlias-0.05-16.el8.x86_64
 732 perl-Devel-StackTrace-2.03-2.el8.noarch
 733 perl-Digest-1.17-395.el8.noarch
 734 perl-Digest-HMAC-1.03-17.module+el8.3.0+7692+542c56f9.noarch
 735 perl-Digest-MD5-2.55-396.el8.x86_64
 736 perl-Digest-SHA1-2.13-23.el8.x86_64
 737 perl-Digest-SHA-6.02-1.el8.x86_64
 738 perl-Dist-CheckConflicts-0.11-11.el8.noarch
 739 perl-DynaLoader-Functions-0.003-2.el8.noarch
 740 perl-Email-Date-Format-1.005-11.el8.noarch
 741 perl-Encode-2.97-3.el8.x86_64
 742 perl-Encode-Locale-1.05-10.module+el8.3.0+7692+542c56f9.noarch
 743 perl-Errno-1.28-421.el8.x86_64
 744 perl-Error-0.17025-2.el8.noarch
 745 perl-Eval-Closure-0.14-5.el8.noarch
 746 perl-Exception-Class-1.44-2.el8.noarch
 747 perl-Expect-1.35-10.el8.noarch
 748 perl-Exporter-5.72-396.el8.noarch
 749 perl-Exporter-Tiny-1.000000-4.el8.noarch
 750 perl-FCGI-0.78-11.module+el8.1.0+5423+06ba8c9c.x86_64
 751 perl-File-Copy-Recursive-0.40-3.el8.noarch
 752 perl-File-Listing-6.04-17.module+el8.3.0+7692+542c56f9.noarch
 753 perl-File-Path-2.15-2.el8.noarch
 754 perl-File-ShareDir-1.104-3.el8.noarch

755 perl-File-Temp-0.230.600-1.el8.noarch
 756 perl-Getopt-Long-2.50-4.el8.noarch
 757 perl-GSSAPI-0.28-25.el8.x86_64
 758 perl-HTML-Parser-3.72-15.module+el8.3.0+7692+542c56f9.x86_64
 759 perl-HTML-Tagset-3.20-34.module+el8.3.0+7692+542c56f9.noarch
 760 perl-HTML-Template-2.97-10.el8.noarch
 761 perl-HTTP-Cookies-6.04-2.module+el8.3.0+7692+542c56f9.noarch
 762 perl-HTTP-Date-6.02-19.module+el8.3.0+7692+542c56f9.noarch
 763 perl-HTTP-Message-6.18-1.module+el8.3.0+7692+542c56f9.noarch
 764 perl-HTTP-Negotiate-6.01-19.module+el8.3.0+7692+542c56f9.noarch
 765 perl-HTTP-Tiny-0.074-1.el8.noarch
 766 perl-interpreter-5.26.3-421.el8.x86_64
 767 perl-IO-1.38-421.el8.x86_64
 768 perl-IO-Compress-2.081-1.el8.noarch
 769 perl-IO-HTML-1.001-11.module+el8.3.0+7692+542c56f9.noarch
 770 perl-IO-Multiplex-1.16-9.el8.noarch
 771 perl-IO-Socket-INET6-2.72-12.el8.noarch
 772 perl-IO-Socket-IP-0.39-5.el8.noarch
 773 perl-IO-Socket-SSL-2.066-4.module+el8.6.0+20623+f0897f98.noarch
 774 perl-IO-Tty-1.12-11.el8.x86_64
 775 perl-IPC-ShareLite-0.17-30.el8.x86_64
 776 perl-IPC-SysV-2.07-397.el8.x86_64
 777 perl-JSON-2.97.001-2.el8.noarch
 778 perl-LDAP-0.66-7.el8.noarch
 779 perl-libnet-3.11-3.el8.noarch
 780 perl-libs-5.26.3-421.el8.x86_64
 781 perl-libwww-perl-6.34-1.module+el8.3.0+7692+542c56f9.noarch
 782 perl-List-MoreUtils-0.428-2.el8.noarch
 783 perl-List-MoreUtils-XS-0.428-3.el8.x86_64
 784 perl-Log-Dispatch-2.68-1.el8.noarch
 785 perl-Log-Dispatch-FileRotate-1.36-1.el8.noarch
 786 perl-Log-Log4perl-1.50-1.el8.noarch
 787 perl-LWP-MediaTypes-6.02-15.module+el8.3.0+7692+542c56f9.noarch
 788 perl-macros-5.26.3-421.el8.x86_64
 789 perl-Mail-Sender-0.903-7.el8.noarch
 790 perl-Mail-Sendmail-0.80-4.el8.noarch

791 perl-MailTools-2.20-2.el8.noarch
 792 perl-Math-BigInt-1.9998.11-7.el8.noarch
 793 perl-Math-BigRat-0.2614-1.el8.noarch
 794 perl-Math-Complex-1.59-421.el8.noarch
 795 perl-MIME-Base64-3.15-396.el8.x86_64
 796 perl-MIME-Lite-3.030-16.el8.noarch
 797 perl-MIME-Types-2.17-3.el8.noarch
 798 perl-Module-Implementation-0.09-15.el8.noarch
 799 perl-Module-Runtime-0.016-2.el8.noarch
 800 perl-Mozilla-CA-20160104-7.module+el8.3.0+7692+542c56f9.noarch
 801 perl-MRO-Compat-0.13-4.el8.noarch
 802 perl-namespace-autoclean-0.28-10.el8.noarch
 803 perl-namespace-clean-0.27-7.el8.noarch
 804 perl-NetAddr-IP-4.079-7.el8.x86_64
 805 perl-Net-CIDR-0.20-1.el8.noarch
 806 perl-Net-HTTP-6.17-2.module+el8.3.0+7692+542c56f9.noarch
 807 perl-Net-Ping-2.55-421.el8.noarch
 808 perl-Net-Server-2.009-3.el8.noarch
 809 perl-Net-SMTP-SSL-1.04-5.el8.noarch
 810 perl-Net-SNMP-6.0.1-25.el8.1.noarch
 811 perl-Net-SSLeay-1.88-2.module+el8.6.0+20623+f0897f98.x86_64
 812 perl-NTLM-1.09-17.module+el8.3.0+7692+542c56f9.noarch
 813 perl-Package-Generator-1.106-11.el8.noarch
 814 perl-Package-Stash-0.37-9.el8.noarch
 815 perl-Package-Stash-XS-0.28-17.el8.x86_64
 816 perl-PadWalker-2.3-2.el8.x86_64
 817 perl-Params-Classify-0.015-2.el8.x86_64
 818 perl-Params-Util-1.07-22.el8.x86_64
 819 perl-Params-Validate-1.29-5.el8.x86_64
 820 perl-Params-ValidationCompiler-0.27-1.el8.noarch
 821 perl-parent-0.237-1.el8.noarch
 822 perl-PathTools-3.74-1.el8.x86_64
 823 perl-Pod-Escapes-1.07-395.el8.noarch
 824 perl-podlators-4.11-1.el8.noarch
 825 perl-Pod-Perldoc-3.28-396.el8.noarch
 826 perl-Pod-Simple-3.35-395.el8.noarch

827 perl-Pod-Usage-1.69-395.el8.noarch
 828 perl-Ref-Util-0.203-4.el8.noarch
 829 perl-Ref-Util-XS-0.117-2.el8.x86_64
 830 perl-Role-Tiny-2.000006-2.el8.noarch
 831 perl-Scalar-List-Utills-1.49-2.el8.x86_64
 832 perl-SelfLoader-1.23-421.el8.noarch
 833 perl-Socket-2.027-3.el8.x86_64
 834 perl-Socket6-0.28-6.el8.x86_64
 835 perl-Specio-0.42-2.el8.noarch
 836 perl-srpm-macros-1-25.el8.noarch
 837 perl-Storable-3.11-3.el8.x86_64
 838 perl-Sub-Exporter-0.987-15.el8.noarch
 839 perl-Sub-Exporter-Progressive-0.001013-5.el8.noarch
 840 perl-Sub-Identify-0.14-6.el8.x86_64
 841 perl-Sub-Install-0.928-14.el8.noarch
 842 perl-Sys-Syslog-0.35-397.el8.x86_64
 843 perl-Taint-Runtime-0.03-32.el8.x86_64
 844 perl-Term-ANSIColor-4.06-396.el8.noarch
 845 perl-Term-Cap-1.17-395.el8.noarch
 846 perl-Text-Balanced-2.03-395.el8.noarch
 847 perl-Text-ParseWords-3.30-395.el8.noarch
 848 perl-Text-Soundex-3.05-8.el8.x86_64
 849 perl-Text-Tabs+Wrap-2013.0523-395.el8.noarch
 850 perl-Text-Unidecode-1.30-5.el8.noarch
 851 perl-threads-2.21-2.el8.x86_64
 852 perl-threads-shared-1.58-2.el8.x86_64
 853 perltidy-20180220-1.el8.noarch
 854 perl-TimeDate-2.30-15.module+el8.3.0+7692+542c56f9.noarch
 855 perl-Time-HiRes-1.9758-2.el8.x86_64
 856 perl-Time-Local-1.280-1.el8.noarch
 857 perl-Try-Tiny-0.30-7.module+el8.3.0+7692+542c56f9.noarch
 858 perl-Unicode-Normalize-1.25-396.el8.x86_64
 859 perl-URI-1.73-3.el8.noarch
 860 perl-Variable-Magic-0.62-3.el8.x86_64
 861 perl-version-0.99.24-1.el8.x86_64
 862 perl-WWW-RobotRules-6.02-18.module+el8.3.0+7692+542c56f9.noarch

863 perl-XML-LibXML-2.0132-2.el8.x86_64
 864 perl-XML-Namespacesupport-1.12-4.el8.noarch
 865 perl-XML-Parser-2.44-11.0.1.el8.x86_64
 866 perl-XML-SAX-1.00-1.el8.noarch
 867 perl-XML-SAX-Base-1.09-4.el8.noarch
 868 perl-XML-Simple-2.25-1.el8.noarch
 869 pg_activity-2.3.1-1.rhel8.noarch
 870 pgaudit14_12-1.4.3-1.rhel8.x86_64
 871 pgdg-redhat-repo-42.0-32.noarch
 872 pg_jobmon_12-1.4.1-1.rhel8.noarch
 873 pg_partman_12-4.7.2-1.rhel8.x86_64
 874 pg_top12-3.7.0-5.rhel8.2.x86_64
 875 pgtune-0.9.3-12.da57e00.el7.noarch
 876 pigz-2.4-4.el8.x86_64
 877 pinentry-1.1.0-2.el8.x86_64
 878 pixman-0.38.4-2.el8.x86_64
 879 pkgconf-1.4.2-1.el8.x86_64
 880 pkgconf-m4-1.4.2-1.el8.noarch
 881 pkgconf-pkg-config-1.4.2-1.el8.x86_64
 882 platform-python-3.6.8-48.0.1.el8_7.x86_64
 883 platform-python-pip-9.0.3-22.el8.noarch
 884 platform-python-setuptools-39.2.0-6.el8.noarch
 885 polycoreutils-2.9-20.0.1.el8.x86_64
 886 polycoreutils-python-utils-2.9-20.0.1.el8.noarch
 887 polkit-0.115-13.0.1.el8_5.2.x86_64
 888 polkit-libs-0.115-13.0.1.el8_5.2.x86_64
 889 polkit-pkla-compat-0.1-12.el8.x86_64
 890 poppler-20.11.0-5.el8.x86_64
 891 poppler-data-0.4.9-1.el8.noarch
 892 popt-1.18-1.el8.x86_64
 893 postgis31_12-3.1.8-1.rhel8.x86_64
 894 postgresql12-12.13-1PGDG.rhel8.x86_64
 895 postgresql12-contrib-12.13-1PGDG.rhel8.x86_64
 896 postgresql12-libs-12.13-1PGDG.rhel8.x86_64
 897 postgresql12-plperl-12.13-1PGDG.rhel8.x86_64
 898 postgresql12-server-12.13-1PGDG.rhel8.x86_64

899 prefixdevname-0.1.0-6.el8.x86_64
 900 procps-ng-3.3.15-9.0.1.el8.x86_64
 901 proj80-8.0.1-1.rhel8.x86_64
 902 proj81-8.1.1-1.rhel8.x86_64
 903 proj82-8.2.1-1.rhel8.x86_64
 904 protobuf-3.5.0-15.el8.x86_64
 905 protobuf-c-1.3.0-6.el8.x86_64
 906 psmisc-23.1-5.el8.x86_64
 907 publicsuffix-list-dafsa-20180723-1.el8.noarch
 908 pv-1.6.6-7.el8.x86_64
 909 python2-2.7.18-11.0.1.module+el8.7.0+20809+34912fc4.x86_64
 910 python2-libs-2.7.18-11.0.1.module+el8.7.0+20809+34912fc4.x86_64
 911 python2-pip-9.0.3-19.module+el8.6.0+20550+a85dc526.noarch
 912 python2-pip-wheel-9.0.3-19.module+el8.6.0+20550+a85dc526.noarch
 913 python2-setuptools-39.0.1-13.module+el8.5.0+743+cd2f5d28.noarch
 914 python2-setuptools-wheel-39.0.1-13.module+el8.5.0+743+cd2f5d28.noarch
 915 python36-3.6.8-38.module+el8.5.0+20329+5c5719bc.x86_64
 916 python3-attrs-19.3.0-5.el8.noarch
 917 python3-audit-3.0.7-4.el8.x86_64
 918 python3-blessed-1.19.1-1.el8.noarch
 919 python3-configobj-5.0.6-11.el8.noarch
 920 python3-dateutil-2.6.1-6.el8.noarch
 921 python3-dbus-1.2.4-15.el8.x86_64
 922 python3-decorator-4.2.1-2.el8.noarch
 923 python3-dnf-4.7.0-11.0.1.el8.noarch
 924 python3-dnf-plugins-core-4.0.21-14.1.0.1.el8.noarch
 925 python3-gobject-base-3.28.3-2.el8.x86_64
 926 python3-gpg-1.13.1-11.el8.x86_64
 927 python3-hawkey-0.63.0-11.1.0.1.el8.x86_64
 928 python3-humanize-0.5.1-13.el8.noarch
 929 python3-libcomps-0.1.18-1.el8.x86_64
 930 python3-libdnf-0.63.0-11.1.0.1.el8.x86_64
 931 python3-libs-3.6.8-48.0.1.el8_7.x86_64
 932 python3-libseltlinux-2.9-6.el8.x86_64
 933 python3-libsemanage-2.9-9.el8_6.x86_64
 934 python3-linux-procfs-0.7.0-1.el8.noarch

935 python3-perf-4.18.0-425.10.1.el8_7.x86_64
 936 python3-pip-9.0.3-22.el8.noarch
 937 python3-pip-wheel-9.0.3-22.el8.noarch
 938 python3-policycoreutils-2.9-20.0.1.el8.noarch
 939 python3-psutil-5.7.3-1.el8.x86_64
 940 python3-psycopg2-2.8.6-1.rhel8.x86_64
 941 python3-pyudev-0.21.0-7.el8.noarch
 942 python3-rpm-4.14.3-24.el8_7.x86_64
 943 python3-rpm-macros-3-43.el8.noarch
 944 python3-schedutils-0.6-6.el8.x86_64
 945 python3-setools-4.3.0-3.el8.x86_64
 946 python3-setuptools-39.2.0-6.el8.noarch
 947 python3-setuptools-wheel-39.2.0-6.el8.noarch
 948 python3-six-1.11.0-8.el8.noarch
 949 python3-syspurpose-1.28.13-3.el8_4.x86_64
 950 python3-unbound-1.16.2-2.el8.x86_64
 951 python3-wcwidth-0.2.5-3.el8.noarch
 952 python-rpm-macros-3-43.el8.noarch
 953 python-srpm-macros-3-43.el8.noarch
 954 qt5-qtbase-5.15.3-1.el8.x86_64
 955 qt5-qtbase-common-5.15.3-1.el8.noarch
 956 qt5-qtbase-gui-5.15.3-1.el8.x86_64
 957 qt5-qtsvg-5.15.3-1.el8.x86_64
 958 qt5-srpm-macros-5.15.3-1.el8.noarch
 959 rdma-core-41.0-1.el8.x86_64
 960 readline-7.0-10.el8.x86_64
 961 redhat-release-8.7-0.3.0.1.el8.x86_64
 962 redhat-rpm-config-130-1.0.1.el8.noarch
 963 remi-release-8.6-1.el8.remi.noarch
 964 rng-tools-6.15-1.el8.x86_64
 965 rootfiles-8.1-22.el8.noarch
 966 rpm-4.14.3-24.el8_7.x86_64
 967 rpm-build-4.14.3-24.el8_7.x86_64
 968 rpm-build-libs-4.14.3-24.el8_7.x86_64
 969 rpmdevtools-8.10-8.0.1.el8.noarch
 970 rpm-libs-4.14.3-24.el8_7.x86_64

971	rpm-plugin-fapolicyd-4.14.3-24.el8_7.x86_64
972	rpm-plugin-selinux-4.14.3-24.el8_7.x86_64
973	rpm-plugin-systemd-inhibit-4.14.3-24.el8_7.x86_64
974	rrdtool-1.7.0-16.el8.x86_64
975	rrdtool-perl-1.7.0-16.el8.x86_64
976	rsyslog-8.2102.0-10.el8.x86_64
977	rsyslog-gnutls-8.2102.0-10.el8.x86_64
978	rust-srpm-macros-5-2.el8.noarch
979	samyak-devanagari-fonts-1.2.2-19.el8.noarch
980	samyak-fonts-common-1.2.2-19.el8.noarch
981	scap-security-guide-0.1.63-4.0.2.el8.noarch
982	sed-4.5-5.el8.x86_64
983	selinux-policy-3.14.3-108.0.2.el8.noarch
984	selinux-policy-targeted-3.14.3-108.0.2.el8.noarch
985	setup-2.12.2-7.el8.noarch
986	SFCGAL-1.4.1-12.rhel8.x86_64
987	SFCGAL-libs-1.4.1-12.rhel8.x86_64
988	sg3_utils-1.44-6.el8.x86_64
989	sg3_utils-libs-1.44-6.el8.x86_64
990	shadow-utils-4.6-17.el8.x86_64
991	shapelib-1.5.0-1.el8.x86_64
992	shared-mime-info-1.9-3.el8.x86_64
993	sharutils-4.15.2-11.el8.x86_64
994	snappy-1.1.8-3.el8.x86_64
995	sqlite-3.26.0-17.el8_7.x86_64
996	sqlite-libs-3.26.0-17.el8_7.x86_64
997	squashfs-tools-4.3-20.el8.x86_64
998	sscg-3.0.0-5.el8.x86_64
999	sssd-client-2.7.3-4.0.1.el8_7.3.x86_64
1000	sssd-common-2.7.3-4.0.1.el8_7.3.x86_64
1001	sssd-kcm-2.7.3-4.0.1.el8_7.3.x86_64
1002	sssd-nfs-idmap-2.7.3-4.0.1.el8_7.3.x86_64
1003	sudo-1.8.29-8.el8.x86_64
1004	SuperLU-5.2.0-7.el8.x86_64
1005	sysstat-11.7.3-7.0.1.el8_7.1.x86_64
1006	systemd-239-68.0.2.el8_7.2.x86_64

1007 systemd-libs-239-68.0.2.el8_7.2.x86_64
 1008 systemd-pam-239-68.0.2.el8_7.2.x86_64
 1009 systemd-udev-239-68.0.2.el8_7.2.x86_64
 1010 tar-1.30-6.el8.x86_64
 1011 tcl-8.6.8-2.el8.x86_64
 1012 timedatex-0.5-3.el8.x86_64
 1013 tmpwatch-2.11-14.el8.x86_64
 1014 tmux-2.7-1.el8.x86_64
 1015 tnt-10Zig-drivers-6.6.2-1.noarch
 1016 tnt-base-4.0.1-62018.noarch
 1017 tnt-brandit-1.3.0-79046.x86_64
 1018 tnt-centos5-drivers-6.6.0-3.noarch
 1019 tnt-centos6-drivers-6.6.2-1.noarch
 1020 tnt-common-java-3.0.32-1.noarch
 1021 tnt-common-java-deps-3.0.32-1.noarch
 1022 tnt-db-2.9.2-80068.noarch
 1023 tnt-db-imanager-3.3.4-80368.noarch
 1024 tnt-db-location-1.0.0-80269.noarch
 1025 tnt-db-upgrade-1.5.0-80472.noarch
 1026 tnt-decode-1.0.0-77570.x86_64
 1027 tnt-identity-common-backend-2.0.5-80397.noarch
 1028 tnt-identity-common-backend-deps-2.0.2-80145.noarch
 1029 tnt-identity-common-backend-priv-2.0.2-80397.noarch
 1030 tnt-identity-common-java-3.3.6-80486.noarch
 1031 tnt-identity-common-java-deps-3.3.1-80486.noarch
 1032 tnt-identity-common-web-1.8.2-80145.noarch
 1033 tnt-identity-igateway-backend-1.5.1-78985.noarch
 1034 tnt-identity-imanager-backend-2.3.3-80509.noarch
 1035 tnt-identity-imanager-backend-deps-2.3.3-80499.noarch
 1036 tnt-igateway-health-1.2.0-80063.noarch
 1037 tnt-igel-drivers-6.6.2-1.noarch
 1038 tnt-iptables-2.8.1-76234.x86_64
 1039 tnt-kernel-modules-1.15.0-80517_4.18.0_425.10.1.el8_7.x86_64
 1040 tnt-LeTOS-drivers-6.6.2-1.noarch
 1041 tnt-libperlnt-1.5.0-65269.noarch
 1042 tnt-netaudit-1.8.0-77570.x86_64

1043 tnt-nps32-drivers-6.6.2-1.noarch
 1044 tnt-osx-drivers-6.6.2-1.noarch
 1045 tnt-policy-2.7.1-79437.noarch
 1046 tnt-policy-common-2.7.1-78985.noarch
 1047 tnt-postgresql-1.0.1-75096.noarch
 1048 tnt-release-6.6.2-1_202301201035.noarch
 1049 tnt-rhel4-drivers-6.6.0-3.noarch
 1050 tnt-setup-1.8.2-80340.noarch
 1051 tnt-setup-manager-1.6.3-65795.noarch
 1052 tnt-setup-vmware-1.8.2-80340.noarch
 1053 tnt-stratodesk-drivers-6.6.2-1.noarch
 1054 tnt-ThinOS-drivers-6.6.2-1.noarch
 1055 tnt-tools-1.5.5-78342.x86_64
 1056 tnt-ubuntu10-drivers-6.6.2-1.noarch
 1057 tnt-windows-pdb-6.6.2-1.noarch
 1058 tnt-ZeeOS-drivers-6.6.2-1.noarch
 1059 tpm2-tss-2.3.2-4.el8.x86_64
 1060 trousers-0.3.15-1.el8.x86_64
 1061 trousers-lib-0.3.15-1.el8.x86_64
 1062 ttmkfsdir-3.0.9-54.el8.x86_64
 1063 tuned-2.19.0-1.0.1.el8.noarch
 1064 tzdata-2022g-1.el8.noarch
 1065 tzdata-java-2022g-1.el8.noarch
 1066 unbound-libs-1.16.2-2.el8.x86_64
 1067 unixODBC-2.3.7-1.el8.x86_64
 1068 unzip-6.0-46.0.1.el8.x86_64
 1069 usbguard-1.0.0-8.el8_7.2.x86_64
 1070 usbguard-selinux-1.0.0-8.el8_7.2.noarch
 1071 usermode-1.113-2.el8.x86_64
 1072 util-linux-2.32.1-39.el8_7.x86_64
 1073 util-linux-user-2.32.1-39.el8_7.x86_64
 1074 vim-minimal-8.0.1763-19.0.1.el8_6.4.x86_64
 1075 virt-what-1.25-1.el8.x86_64
 1076 vlgothic-fonts-20141206-15.el8.1.noarch
 1077 vlgothic-p-fonts-20141206-15.el8.1.noarch
 1078 vs-helper-6.6.2-1.x86_64

1079 vs-pushuser-6.6.2-1.x86_64
 1080 wget-1.19.5-10.0.1.el8.x86_64
 1081 which-2.21-18.el8.x86_64
 1082 wqy-zenhei-fonts-0.9.46-11.el7.noarch
 1083 xcb-util-0.4.0-10.el8.x86_64
 1084 xcb-util-image-0.4.0-9.el8.x86_64
 1085 xcb-util-keysyms-0.4.0-7.el8.x86_64
 1086 xcb-util-renderutil-0.3.9-10.el8.x86_64
 1087 xcb-util-wm-0.4.1-12.el8.x86_64
 1088 xdelta-3.1.0-4.el8.x86_64
 1089 xerces-c-3.2.3-5.el8.x86_64
 1090 xfsprogs-5.4.0-1.0.4.el8.x86_64
 1091 xkeyboard-config-2.28-1.el8.noarch
 1092 xml-common-0.6.3-50.el8.noarch
 1093 xmlsec1-1.2.25-4.el8.x86_64
 1094 xmlsec1-openssl-1.2.25-4.el8.x86_64
 1095 xorg-x11-fonts-Type1-7.5-19.el8.noarch
 1096 xorg-x11-font-utils-7.5-41.el8.x86_64
 1097 xz-5.2.4-4.el8_6.x86_64
 1098 xz-libs-5.2.4-4.el8_6.x86_64
 1099 yajl-2.1.0-11.el8.x86_64
 1100 yum-4.7.0-11.0.1.el8.noarch
 1101 yum-utils-4.0.21-14.1.0.1.el8.noarch
 1102 zip-3.0-23.el8.x86_64
 1103 zlib-1.2.11-21.el8_7.x86_64
 1104 zstd-1.4.4-1.0.1.el8.x86_64

Stratusphere Database Appliance Installed Packages

```

1    acl-2.2.53-1.el8.x86_64
2    aide-0.16-14.el8_5.1.x86_64
3    apr-1.6.3-12.el8.x86_64
4    apr-util-1.6.1-6.el8.x86_64
5    apr-util-bdb-1.6.1-6.el8.x86_64
6    apr-util-openssl-1.6.1-6.el8.x86_64
7    armadillo-10.8.2-1.el8.x86_64
8    arpack-3.7.0-1.el8.x86_64
9    atlas-3.10.3-8.el8.x86_64
10   audispd-plugins-3.0.7-4.el8.x86_64
11   audit-3.0.7-4.el8.x86_64
12   audit-libs-3.0.7-4.el8.x86_64
13   authselect-1.2.5-2.el8_7.x86_64
14   authselect-compatible-1.2.5-2.el8_7.x86_64
15   authselect-libs-1.2.5-2.el8_7.x86_64
16   avahi-libs-0.7-20.el8.x86_64
17   basesystem-11-5.el8.noarch
18   bash-4.4.20-4.el8_6.x86_64
19   bc-1.07.1-5.el8.x86_64
20   bind-export-libs-9.11.36-5.el8_7.2.x86_64
21   binutils-2.30-117.0.3.el8.x86_64
22   blas-3.8.0-8.el8.x86_64
23   boost-atomic-1.66.0-13.el8.x86_64
24   boost-chrono-1.66.0-13.el8.x86_64
25   boost-date-time-1.66.0-13.el8.x86_64
26   boost-serialization-1.66.0-13.el8.x86_64
27   boost-system-1.66.0-13.el8.x86_64
28   boost-thread-1.66.0-13.el8.x86_64
29   brotli-1.0.6-3.el8.x86_64
30   bzip2-1.0.6-26.el8.x86_64
31   bzip2-libs-1.0.6-26.el8.x86_64
32   ca-certificates-2022.2.54-80.2.el8_6.noarch
33   cairo-1.15.12-6.el8.x86_64

```

34 c-ares-1.13.0-6.el8.x86_64
 35 centos-gpg-keys-8-2.el8.noarch
 36 cfitsio-3.47-1.el8.x86_64
 37 CGAL-4.14-1.rhel8.x86_64
 38 checkpolicy-2.9-1.el8.x86_64
 39 chkconfig-1.19.1-1.0.1.el8.x86_64
 40 chkrootkit-0.50-4el7.x86_64
 41 chrony-4.2-1.0.1.el8.x86_64
 42 clamav-0.103.7-1.el8.x86_64
 43 clamav-filesystem-0.103.7-1.el8.noarch
 44 clamav-lib-0.103.7-1.el8.x86_64
 45 clamav-update-0.103.7-1.el8.x86_64
 46 cntlm-0.92.3-1.x86_64
 47 conntack-tools-1.4.4-10.el8.x86_64
 48 coreutils-8.30-13.0.1.el8.x86_64
 49 coreutils-common-8.30-13.0.1.el8.x86_64
 50 cpio-2.12-11.el8.x86_64
 51 cracklib-2.9.6-15.el8.x86_64
 52 cracklib-dicts-2.9.6-15.el8.x86_64
 53 cronie-1.5.2-8.el8.x86_64
 54 cronie-anacron-1.5.2-8.el8.x86_64
 55 crontabs-1.11-17.20190603git.el8.noarch
 56 crypto-policies-20211116-1.gitae470d6.el8.noarch
 57 crypto-policies-scripts-20211116-1.gitae470d6.el8.noarch
 58 cryptsetup-2.3.7-2.el8.x86_64
 59 cryptsetup-libs-2.3.7-2.el8.x86_64
 60 cups-libs-2.2.6-50.el8.x86_64
 61 curl-7.61.1-25.el8_7.1.x86_64
 62 cyrus-sasl-lib-2.1.27-6.el8_5.x86_64
 63 dbus-1.12.8-23.0.1.el8_7.1.x86_64
 64 dbus-common-1.12.8-23.0.1.el8_7.1.noarch
 65 dbus-daemon-1.12.8-23.0.1.el8_7.1.x86_64
 66 dbus-glib-0.110-2.el8.x86_64
 67 dbus-libs-1.12.8-23.0.1.el8_7.1.x86_64
 68 dbus-tools-1.12.8-23.0.1.el8_7.1.x86_64
 69 dejavu-fonts-common-2.35-7.el8.noarch

```

70  dejavu-sans-mono-fonts-2.35-7.el8.noarch
71  device-mapper-1.02.181-6.el8.x86_64
72  device-mapper-libs-1.02.181-6.el8.x86_64
73  dhcp-client-4.3.6-48.el8_7.1.x86_64
74  dhcp-common-4.3.6-48.el8_7.1.noarch
75  dhcp-libs-4.3.6-48.el8_7.1.x86_64
76  diffutils-3.6-6.el8.x86_64
77  dmidecode-3.3-4.el8.x86_64
78  dnf-4.7.0-11.0.1.el8.noarch
79  dnf-automatic-4.7.0-11.0.1.el8.noarch
80  dnf-data-4.7.0-11.0.1.el8.noarch
81  dnf-plugins-core-4.0.21-14.1.0.1.el8.noarch
82  dracut-049-209.git20220815.0.1.el8.x86_64
83  dracut-config-rescue-049-209.git20220815.0.1.el8.x86_64
84  dracut-network-049-209.git20220815.0.1.el8.x86_64
85  dracut-squash-049-209.git20220815.0.1.el8.x86_64
86  dwz-0.12-10.el8.x86_64
87  e2fsprogs-1.45.6-5.el8.x86_64
88  e2fsprogs-libs-1.45.6-5.el8.x86_64
89  ed-1.14.2-4.el8.x86_64
90  efi-srpm-macros-3-3.0.1.el8.noarch
91  elfutils-0.187-4.el8.x86_64
92  elfutils-debuginfod-client-0.187-4.el8.x86_64
93  elfutils-default-yama-scope-0.187-4.el8.noarch
94  elfutils-libelf-0.187-4.el8.x86_64
95  elfutils-libs-0.187-4.el8.x86_64
96  elrepo-release-8.3-1.el8.elrepo.noarch
97  emacs-filesystem-26.1-7.el8.noarch
98  epel-release-8-18.el8.noarch
99  ethtool-5.13-2.el8.x86_64
100 expat-2.2.5-10.0.1.el8_7.1.x86_64
101 expect-5.45.4-5.el8.x86_64
102 fapolicyd-1.1.3-8.0.1.el8_7.1.x86_64
103 fapolicyd-selinux-1.1.3-8.0.1.el8_7.1.noarch
104 file-5.33-21.el8.x86_64
105 file-libs-5.33-21.el8.x86_64

```

106 filesystem-3.8-6.el8.x86_64
 107 findutils-4.6.0-20.el8.x86_64
 108 fipscheck-1.5.0-4.el8.x86_64
 109 fipscheck-lib-1.5.0-4.el8.x86_64
 110 firewalld-filesystem-0.9.3-13.0.1.el8.noarch
 111 fontconfig-2.13.1-4.el8.x86_64
 112 fontpackages-filesystem-1.44-22.el8.noarch
 113 freetype-2.9.1-9.el8.x86_64
 114 freexl-1.0.6-4.el8.x86_64
 115 fribidi-1.0.4-9.el8.x86_64
 116 fuse-2.9.7-16.0.1.el8.x86_64
 117 fuse-common-3.3.0-16.0.1.el8.x86_64
 118 fuse-libs-2.9.7-16.0.1.el8.x86_64
 119 gawk-4.2.1-4.el8.x86_64
 120 gc-7.6.4-3.el8.x86_64
 121 GConf2-3.2.6-22.el8.x86_64
 122 gdal33-libs-3.3.3-5.rhel8.x86_64
 123 gdal34-libs-3.4.3-2.rhel8.x86_64
 124 gdb-headless-8.2-19.0.1.el8.x86_64
 125 gdbm-1.18-2.el8.x86_64
 126 gdbm-libs-1.18-2.el8.x86_64
 127 gdisk-1.0.3-11.el8.x86_64
 128 geolite2-city-20180605-1.el8.noarch
 129 geolite2-country-20180605-1.el8.noarch
 130 geos310-3.10.3-1.rhel8.x86_64
 131 geos39-3.9.2-1.rhel8.x86_64
 132 gettext-0.19.8.1-17.el8.x86_64
 133 gettext-libs-0.19.8.1-17.el8.x86_64
 134 ghc-srpm-macros-1.4.2-7.el8.noarch
 135 giflib-5.1.4-3.el8.x86_64
 136 glib2-2.56.4-159.0.1.el8.x86_64
 137 glibc-2.28-211.0.1.el8.x86_64
 138 glibc-common-2.28-211.0.1.el8.x86_64
 139 glibc-gconv-extra-2.28-211.0.1.el8.x86_64
 140 glibc-langpack-en-2.28-211.0.1.el8.x86_64
 141 glx-utils-8.4.0-5.20181118git1830dcb.el8.x86_64

```

142 gmp-6.1.2-10.el8.x86_64
143 gmp-c++-6.1.2-10.el8.x86_64
144 gnupg2-2.2.20-3.el8_6.x86_64
145 gnupg2-smime-2.2.20-3.el8_6.x86_64
146 gnutls-3.6.16-5.el8_6.x86_64
147 gobject-introspection-1.56.1-1.el8.x86_64
148 go-srpm-macros-2-17.el8.noarch
149 gpgme-1.13.1-11.el8.x86_64
150 gpg-pubkey-00f97f56-467e318a
151 gpg-pubkey-0364b949-58bd2928
152 gpg-pubkey-1fef0014-6204dda2
153 gpg-pubkey-2f86d6a1-5cf7cefb
154 gpg-pubkey-442df0f8-608c8351
155 gpg-pubkey-478f8947-5ff329c5
156 gpg-pubkey-4c21a808-5e4a9a41
157 gpg-pubkey-5ba5fa8d-5ccc6012
158 gpg-pubkey-5f11735a-5a58bcd7
159 gpg-pubkey-846a40cd-5f7b444a
160 gpg-pubkey-8483c65d-5ccc5b19
161 gpg-pubkey-ad986da3-5cabf60d
162 gpg-pubkey-baadae52-49beffa4
163 gpg-pubkey-bbae6f1b-5c790651
164 gpsbabel-1.6.0-3.el8.x86_64
165 graphite2-1.3.10-10.el8.x86_64
166 grep-3.1-6.el8.x86_64
167 groff-base-1.22.3-18.el8.x86_64
168 grub2-common-2.02-142.0.1.el8.noarch
169 grub2-pc-2.02-142.0.1.el8.x86_64
170 grub2-pc-modules-2.02-142.0.1.el8.noarch
171 grub2-tools-2.02-142.0.1.el8.x86_64
172 grub2-tools-efi-2.02-142.0.1.el8.x86_64
173 grub2-tools-extra-2.02-142.0.1.el8.x86_64
174 grub2-tools-minimal-2.02-142.0.1.el8.x86_64
175 grubby-8.40-47.0.1.el8.x86_64
176 guile-2.0.14-7.0.1.el8.x86_64
177 gzip-1.9-13.el8_5.x86_64

```

178 hardlink-1.3-6.el8.x86_64
 179 harfbuzz-1.7.5-3.el8.x86_64
 180 hdf-4.2.14-5.el8.x86_64
 181 hdf5-1.10.5-4.el8.x86_64
 182 hdparm-9.54-4.el8.x86_64
 183 hostname-3.20-6.el8.x86_64
 184 httpd-2.4.37-51.0.1.module+el8.7.0+20778+02173b8e.x86_64
 185 httpd-filesystem-2.4.37-51.0.1.module+el8.7.0+20778+02173b8e.noarch
 186 httpd-tools-2.4.37-51.0.1.module+el8.7.0+20778+02173b8e.x86_64
 187 hwdata-0.314-8.14.el8.noarch
 188 ima-evm-utils-1.3.2-12.el8.x86_64
 189 info-6.5-7.el8.x86_64
 190 initscripts-10.00.18-1.el8.x86_64
 191 ipcalc-0.2.4-4.el8.x86_64
 192 iproute-5.18.0-1.el8.x86_64
 193 iprutils-2.4.19-1.el8.x86_64
 194 iptables-1.8.4-23.0.1.el8.x86_64
 195 iptables-libs-1.8.4-23.0.1.el8.x86_64
 196 iptables-services-1.8.4-23.0.1.el8.x86_64
 197 iputils-20180629-10.el8.x86_64
 198 irqbalance-1.9.0-3.el8.x86_64
 199 jansson-2.14-1.el8.x86_64
 200 jasper-libs-2.0.14-5.el8.x86_64
 201 jbigkit-libs-2.1-14.el8.x86_64
 202 jq-1.6-3.el8.x86_64
 203 json-c-0.13.1-3.el8.x86_64
 204 kbd-2.0.4-10.el8.x86_64
 205 kbd-legacy-2.0.4-10.el8.noarch
 206 kbd-misc-2.0.4-10.el8.noarch
 207 kernel-4.18.0-425.10.1.el8_7.x86_64
 208 kernel-core-4.18.0-425.10.1.el8_7.x86_64
 209 kernel-modules-4.18.0-425.10.1.el8_7.x86_64
 210 kernel-tools-4.18.0-425.10.1.el8_7.x86_64
 211 kernel-tools-libs-4.18.0-425.10.1.el8_7.x86_64
 212 kexec-tools-2.0.24-6.0.1.el8.x86_64
 213 keyutils-libs-1.5.10-9.el8.x86_64

214 kmod-25-19.0.2.el8.x86_64
 215 kmod-libs-25-19.0.2.el8.x86_64
 216 kpartx-0.8.4-28.el8_7.1.x86_64
 217 krb5-libs-1.18.2-22.0.1.el8_7.x86_64
 218 lapack-3.8.0-8.el8.x86_64
 219 lcms2-2.9-2.el8.x86_64
 220 ldns-1.7.0-21.el8.x86_64
 221 less-530-1.el8.x86_64
 222 libacl-2.2.53-1.el8.x86_64
 223 libaec-1.0.2-3.el8.x86_64
 224 libarchive-3.3.3-4.el8.x86_64
 225 libassuan-2.5.1-3.el8.x86_64
 226 libatomic_ops-7.6.2-3.el8.x86_64
 227 libattr-2.4.48-3.el8.x86_64
 228 libbabeltrace-1.5.4-4.el8.x86_64
 229 libbasicobjects-0.1.1-40.el8.x86_64
 230 libblkid-2.32.1-39.el8_7.x86_64
 231 libbpf-0.5.0-1.el8.x86_64
 232 libbsd-0.11.7-2.el8.x86_64
 233 libcap-2.48-4.el8.x86_64
 234 libcap-ng-0.7.11-1.el8.x86_64
 235 libcap-ng-utils-0.7.11-1.el8.x86_64
 236 libcollection-0.7.0-40.el8.x86_64
 237 libcom_err-1.45.6-5.el8.x86_64
 238 libcomps-0.1.18-1.el8.x86_64
 239 libcroco-0.6.12-4.el8_2.1.x86_64
 240 libcurl-7.61.1-25.el8_7.1.x86_64
 241 libdap-3.19.1-2.el8.x86_64
 242 libdatrie-0.2.9-7.el8.x86_64
 243 libdb-5.3.28-42.el8_4.x86_64
 244 libdb-utils-5.3.28-42.el8_4.x86_64
 245 libdhash-0.5.0-40.el8.x86_64
 246 libdnf-0.63.0-11.1.0.1.el8.x86_64
 247 libdrm-2.4.111-1.el8.x86_64
 248 libedit-3.1-23.20170329cvs.el8.x86_64
 249 libestr-0.1.10-3.el8.x86_64

250 libevdev-1.10.0-1.el8.x86_64
 251 libevent-2.1.8-5.el8.x86_64
 252 libfastjson-0.99.9-1.el8.x86_64
 253 libfdisk-2.32.1-39.el8_7.x86_64
 254 libffi-3.1-23.el8.x86_64
 255 libgcc-8.5.0-16.0.1.el8_7.x86_64
 256 libgcrypt-1.8.5-7.el8_6.x86_64
 257 libgeotiff16-1.6.0-6.rhel8.x86_64
 258 libgeotiff16-devel-1.6.0-6.rhel8.x86_64
 259 libgfortran-8.5.0-16.0.1.el8_7.x86_64
 260 libglvnd-1.3.4-1.el8.x86_64
 261 libglvnd-egl-1.3.4-1.el8.x86_64
 262 libglvnd-glx-1.3.4-1.el8.x86_64
 263 libgomp-8.5.0-16.0.1.el8_7.x86_64
 264 libgpg-error-1.31-1.el8.x86_64
 265 libgta-1.2.1-1.el8.x86_64
 266 libgudev-232-4.el8.x86_64
 267 libibverbs-41.0-1.el8.x86_64
 268 libICE-1.0.9-15.el8.x86_64
 269 libicu-60.3-2.el8_1.x86_64
 270 libidn2-2.2.0-1.el8.x86_64
 271 libini_config-1.3.1-40.el8.x86_64
 272 libinput-1.16.3-3.el8_6.x86_64
 273 libipt-1.6.1-8.el8.x86_64
 274 libjpeg-turbo-1.5.3-12.el8.x86_64
 275 libkcapi-1.2.0-2.0.1.el8.x86_64
 276 libkcapi-hmaccalc-1.2.0-2.0.1.el8.x86_64
 277 libksba-1.3.5-8.el8_6.x86_64
 278 libldb-2.5.2-2.el8.x86_64
 279 libmaxminddb-1.2.0-10.el8.x86_64
 280 libmd-1.0.4-2.el8.x86_64
 281 libmetalink-0.1.3-7.el8.x86_64
 282 libmnl-1.0.4-6.el8.x86_64
 283 libmodulemd1-1.8.16-0.2.13.0.1.x86_64
 284 libmodulemd-2.13.0-1.el8.x86_64
 285 libmount-2.32.1-39.el8_7.x86_64

286 libmspack-0.7-0.3.alpha.el8.4.x86_64
 287 libnetfilter_conntrack-1.0.6-5.el8.x86_64
 288 libnetfilter_cthelper-1.0.0-15.el8.x86_64
 289 libnetfilter_cttimeout-1.0.0-11.el8.x86_64
 290 libnetfilter_queue-1.0.4-3.el8.x86_64
 291 libnfnetwork-1.0.1-13.el8.x86_64
 292 libnfsidmap-2.3.3-57.el8.x86_64
 293 libnftnl-1.1.5-5.el8.x86_64
 294 libnghttp2-1.41.0-1.module_el8+9071+b2b61c14.x86_64
 295 libnl3-3.7.0-1.el8.x86_64
 296 libnsl2-1.2.0-2.20180605git4a062cf.el8.x86_64
 297 libpath_utils-0.2.1-40.el8.x86_64
 298 libpcap-1.9.1-5.el8.x86_64
 299 libpciaccess-0.14-1.el8.x86_64
 300 libpipeline-1.5.0-2.el8.x86_64
 301 libpkgconf-1.4.2-1.el8.x86_64
 302 libpng-1.6.34-5.el8.x86_64
 303 libpq5-15.1-42PGDG.rhel8.x86_64
 304 libprelude-5.2.0-1.el8.x86_64
 305 libpsl-0.20.2-6.el8.x86_64
 306 libpwquality-1.4.4-5.el8.x86_64
 307 libqb-1.0.3-13.el8_7.x86_64
 308 libquadmath-8.5.0-16.0.1.el8_7.x86_64
 309 libref_array-0.1.5-40.el8.x86_64
 310 librepo-1.14.2-3.el8.x86_64
 311 libreport-file-system-2.9.5-15.0.3.el8.x86_64
 312 libreswan-4.5-1.0.1.el8.x86_64
 313 librttopo-1.1.0-1.rhel8.x86_64
 314 libseccomp-2.5.2-1.el8.x86_64
 315 libsecret-0.18.6-1.el8.x86_64
 316 libselinux-2.9-6.el8.x86_64
 317 libselinux-utils-2.9-6.el8.x86_64
 318 libsemanage-2.9-9.el8_6.x86_64
 319 libsepol-2.9-3.el8.x86_64
 320 libsigsegv-2.11-5.el8.x86_64
 321 libSM-1.2.3-1.el8.x86_64

322 libsmartcols-2.32.1-39.el8_7.x86_64
 323 libsolv-0.7.20-4.el8_7.x86_64
 324 libspatialite50-5.0.1-4.rhel8.x86_64
 325 libspatialite50-devel-5.0.1-4.rhel8.x86_64
 326 libss-1.45.6-5.el8.x86_64
 327 libssh-0.9.6-3.el8.x86_64
 328 libssh-config-0.9.6-3.el8.noarch
 329 libsss_autofs-2.7.3-4.0.1.el8_7.3.x86_64
 330 libsss_certmap-2.7.3-4.0.1.el8_7.3.x86_64
 331 libsss_idmap-2.7.3-4.0.1.el8_7.3.x86_64
 332 libsss_nss_idmap-2.7.3-4.0.1.el8_7.3.x86_64
 333 libsss_sudo-2.7.3-4.0.1.el8_7.3.x86_64
 334 libstdc++-8.5.0-16.0.1.el8_7.x86_64
 335 libsysfs-2.1.0-25.el8.x86_64
 336 libtalloc-2.3.3-2.el8.x86_64
 337 libtasn1-4.13-4.el8_7.x86_64
 338 libtcl-8.6.11-1.el8.x86_64
 339 libtevent-0.12.0-0.el8.x86_64
 340 libthai-0.1.27-2.el8.x86_64
 341 libtiff-4.0.9-26.el8_7.x86_64
 342 libtiff-devel-4.0.9-26.el8_7.x86_64
 343 libtirpc-1.1.4-8.el8.x86_64
 344 libtool-ltdl-2.4.6-25.el8.x86_64
 345 libunistring-0.9.9-3.el8.x86_64
 346 libusb-0.1.5-12.el8.x86_64
 347 libusbx-1.0.23-4.el8.x86_64
 348 libuser-0.62-24.el8.x86_64
 349 libutempter-1.1.6-14.el8.x86_64
 350 libuuid-2.32.1-39.el8_7.x86_64
 351 libverto-0.3.2-2.el8.x86_64
 352 libwacom-1.6-3.el8.x86_64
 353 libwacom-data-1.6-3.el8.noarch
 354 libwayland-client-1.19.0-1.el8.x86_64
 355 libwayland-server-1.19.0-1.el8.x86_64
 356 libwebp-1.0.0-5.el8.x86_64
 357 libX11-1.6.8-5.el8.x86_64

358 libX11-common-1.6.8-5.el8.noarch
 359 libX11-xcb-1.6.8-5.el8.x86_64
 360 libXau-1.0.9-3.el8.x86_64
 361 libxcb-1.13.1-1.el8.x86_64
 362 libxcrypt-4.1.1-6.el8.x86_64
 363 libXext-1.3.4-1.el8.x86_64
 364 libXfixes-5.0.3-7.el8.x86_64
 365 libXft-2.3.3-1.el8.x86_64
 366 libxkbcommon-0.9.1-1.el8.x86_64
 367 libxkbcommon-x11-0.9.1-1.el8.x86_64
 368 libxml2-2.9.7-15.el8_7.1.x86_64
 369 libXrender-0.9.10-7.el8.x86_64
 370 libxshmfence-1.3-2.el8.x86_64
 371 libxslt-1.1.32-6.0.1.el8.x86_64
 372 libXxf86vm-1.1.4-9.el8.x86_64
 373 libyaml-0.1.7-5.el8.x86_64
 374 libzstd-1.4.4-1.0.1.el8.x86_64
 375 linux-firmware-20220907-999.14.git2f2f0181.el8.noarch
 376 linux-firmware-core-20220907-999.14.git2f2f0181.el8.noarch
 377 lmdb-libs-0.9.24-1.el8.x86_64
 378 lm_sensors-libs-3.4.0-23.20180522git70f7e08.el8.x86_64
 379 logrotate-3.14.0-4.el8.x86_64
 380 lshw-B.02.19.2-6.el8.x86_64
 381 lsof-4.93.2-1.el8.x86_64
 382 lsscsi-0.32-3.el8.x86_64
 383 lua-libs-5.3.4-12.el8.x86_64
 384 lwl-base-appliance-8.0-202301201036.stable.e7b3be9.noarch
 385 lwl-base-appliance-oracle-8.0-202301201036.stable.e7b3be9.noarch
 386 lwl-base-appliance-vmware-8.0-master.916427a.noarch
 387 lwl-config-utils-1.0.0-80173.noarch
 388 lwl-console-2.0.0-78564.noarch
 389 lwl-db-config-1.0.9-202206231652.noarch
 390 lwl-db-config-systemd-1.0.9-202206231652.noarch
 391 lwl-db-server-1.0.6-1.noarch
 392 lwl-db-setup-1.0.0-80275.noarch
 393 lwl-diag-common-1.0.0-80072.noarch

394 lwl-httpd-config-1.0.2-79917.noarch
 395 lwl-hub-munin-postgresql-1.0.1-77568.noarch
 396 lwl-keyring-1.0.8-80181.noarch
 397 lwl-munin-1.0.0-77567.noarch
 398 lwl-natsd-0.25.2-1.x86_64
 399 lwl-service-applianced-0.3.0-202210050715.x86_64
 400 lwl-ssl-cert-1.0.0-79762.noarch
 401 lz4-libs-1.8.3-3.el8.x86_64
 402 lzo-2.08-14.el8.x86_64
 403 mailcap-2.1.48-3.el8.noarch
 404 mailx-12.5-29.el8.x86_64
 405 mariadb-connector-c-3.1.11-2.el8_3.x86_64
 406 mariadb-connector-c-config-3.1.11-2.el8_3.noarch
 407 memstrack-0.2.4-2.el8.x86_64
 408 mesa-libEGL-22.1.5-2.el8.x86_64
 409 mesa-libgbm-22.1.5-2.el8.x86_64
 410 mesa-libGL-22.1.5-2.el8.x86_64
 411 mesa-libglapi-22.1.5-2.el8.x86_64
 412 microcode_ctl-20220809-1.0.1.el8.x86_64
 413 minizip-2.8.9-2.el8.x86_64
 414 mod_fcgid-2.3.9-17.el8.x86_64
 415 mod_http2-1.15.7-5.module+el8.6.0+20548+01710940.x86_64
 416 mod_security-2.9.2-9.el8.x86_64
 417 mod_security_crs-3.3.0-2.el8.noarch
 418 mod_ssl-2.4.37-51.0.1.module+el8.7.0+20778+02173b8e.x86_64
 419 mozjs60-60.9.0-4.0.1.el8.x86_64
 420 mpfr-3.1.6-1.el8.x86_64
 421 mtdev-1.1.5-12.el8.x86_64
 422 munin-2.0.69-5.el8.noarch
 423 munin-apache-2.0.69-5.el8.noarch
 424 munin-common-2.0.69-5.el8.noarch
 425 munin-node-2.0.69-5.el8.noarch
 426 ncurses-6.1-9.20180224.el8.x86_64
 427 ncurses-base-6.1-9.20180224.el8.noarch
 428 ncurses-libs-6.1-9.20180224.el8.x86_64
 429 netcdf-4.7.0-2.el8.x86_64

430 nettle-3.4.1-7.el8.x86_64
 431 net-tools-2.0-0.52.20160912git.el8.x86_64
 432 network-scripts-10.00.18-1.el8.x86_64
 433 npth-1.5-4.el8.x86_64
 434 nscd-2.28-211.0.1.el8.x86_64
 435 nspr-4.34.0-3.el8_6.x86_64
 436 nss-3.79.0-10.el8_6.x86_64
 437 nss-softokn-3.79.0-10.el8_6.x86_64
 438 nss-softokn-freebl-3.79.0-10.el8_6.x86_64
 439 nss-sysinit-3.79.0-10.el8_6.x86_64
 440 nss-tools-3.79.0-10.el8_6.x86_64
 441 nss-util-3.79.0-10.el8_6.x86_64
 442 numactl-libs-2.0.12-13.el8.x86_64
 443 ocaml-srpm-macros-5-4.el8.noarch
 444 oddjob-0.34.7-2.el8.x86_64
 445 oddjob-mkhomedir-0.34.7-2.el8.x86_64
 446 ogdi41-4.1.0-2.rhel8.x86_64
 447 oniguruma-6.8.2-2.el8.x86_64
 448 openblas-0.3.15-4.el8.x86_64
 449 openblas-openmp-0.3.12-1.el8.x86_64
 450 openblas-srpm-macros-2-2.el8.noarch
 451 openblas-threads-0.3.15-4.el8.x86_64
 452 openblas-threads64_-0.3.12-1.el8.x86_64
 453 openjpeg2-2.4.0-5.el8.x86_64
 454 openldap-2.4.46-18.el8.x86_64
 455 openscap-1.3.6-4.0.1.el8.x86_64
 456 openscap-scanner-1.3.6-4.0.1.el8.x86_64
 457 openscap-utils-1.3.6-4.0.1.el8.x86_64
 458 openssh-8.0p1-16.el8.x86_64
 459 openssh-clients-8.0p1-16.el8.x86_64
 460 openssh-server-8.0p1-16.el8.x86_64
 461 openssl-1.1.1k-7.el8_6.x86_64
 462 openssl-libs-1.1.1k-7.el8_6.x86_64
 463 openssl-perl-1.1.1k-7.el8_6.x86_64
 464 openssl-pkcs11-0.4.10-2.el8.x86_64
 465 open-vm-tools-12.0.5-2.0.1.el8.x86_64

```

466 oracle-epel-release-el8-1.0-5.el8.x86_64
467 oraclelinux-release-8.7-1.0.6.el8.x86_64
468 oraclelinux-release-el8-1.0-28.el8.x86_64
469 oracle-logos-httpd-84.5-1.0.1.el8.noarch
470 os-prober-1.74-9.0.1.el8.x86_64
471 p11-kit-0.23.22-1.el8.x86_64
472 p11-kit-trust-0.23.22-1.el8.x86_64
473 pam-1.3.1-22.el8.x86_64
474 pango-1.42.4-8.el8.x86_64
475 parted-3.2-39.0.1.el8.x86_64
476 passwd-0.80-4.el8.x86_64
477 patch-2.7.6-11.el8.x86_64
478 pciutils-3.7.0-1.el8.x86_64
479 pciutils-libs-3.7.0-1.el8.x86_64
480 pcre2-10.32-3.el8_6.x86_64
481 pcre2-utf16-10.32-3.el8_6.x86_64
482 pcre-8.42-6.el8.x86_64
483 perl-Authen-SASL-2.16-13.el8.noarch
484 perl-B-Hooks-EndOfScope-0.21-6.el8.noarch
485 perl-bignum-0.49-2.el8.noarch
486 perl-Cache-Cache-1.08-15.el8.noarch
487 perl-Carp-1.42-396.el8.noarch
488 perl-CGI-4.38-2.el8.noarch
489 perl-CGI-Fast-2.15-3.el8.noarch
490 perl-Class-Data-Inheritable-0.08-27.el8.noarch
491 perl-Class-Inspector-1.32-2.el8.noarch
492 perl-Class-Method-Modifiers-2.12-8.el8.noarch
493 perl-Class-Singleton-1.5-9.el8.noarch
494 perl-Compress-Raw-Bzip2-2.081-1.el8.x86_64
495 perl-Compress-Raw-Zlib-2.081-1.el8.x86_64
496 perl-constant-1.33-396.el8.noarch
497 perl-Convert-ASN1-0.27-17.el8.noarch
498 perl-Convert-UU-0.5201-27.el8.noarch
499 perl-Crypt-DES-2.07-19.1.el8.x86_64
500 perl-Data-Dump-1.23-7.module+el8.3.0+7692+542c56f9.noarch
501 perl-Data-Dumper-2.167-399.el8.x86_64

```


502 perl-Data-OptList-0.110-6.el8.noarch
 503 perl-Date-ISO8601-0.005-2.el8.noarch
 504 perl-Date-Manip-6.60-2.el8.noarch
 505 perl-DateTime-1.50-1.el8.x86_64
 506 perl-DateTime-Locale-1.17-2.el8.noarch
 507 perl-DateTime-TimeZone-2.19-1.el8.noarch
 508 perl-DateTime-TimeZone-SystemV-0.010-3.el8.noarch
 509 perl-DateTime-TimeZone-Tzfile-0.011-3.el8.noarch
 510 perl-DBD-Pg-3.7.4-4.module+el8.3.0+7675+2476f418.x86_64
 511 perl-DBI-1.641-4.module+el8.6.0+20590+70c0920f.x86_64
 512 perl-Devel-CallChecker-0.008-3.el8.x86_64
 513 perl-Devel-Caller-2.06-15.el8.x86_64
 514 perl-Devel-GlobalDestruction-0.14-5.el8.noarch
 515 perl-Devel-LexAlias-0.05-16.el8.x86_64
 516 perl-Devel-StackTrace-2.03-2.el8.noarch
 517 perl-Digest-1.17-395.el8.noarch
 518 perl-Digest-HMAC-1.03-17.module+el8.3.0+7692+542c56f9.noarch
 519 perl-Digest-MD5-2.55-396.el8.x86_64
 520 perl-Digest-SHA1-2.13-23.el8.x86_64
 521 perl-Digest-SHA-6.02-1.el8.x86_64
 522 perl-Dist-CheckConflicts-0.11-11.el8.noarch
 523 perl-DynaLoader-Functions-0.003-2.el8.noarch
 524 perl-Email-Date-Format-1.005-11.el8.noarch
 525 perl-Encode-2.97-3.el8.x86_64
 526 perl-Encode-Locale-1.05-10.module+el8.3.0+7692+542c56f9.noarch
 527 perl-Errno-1.28-421.el8.x86_64
 528 perl-Error-0.17025-2.el8.noarch
 529 perl-Eval-Closure-0.14-5.el8.noarch
 530 perl-Exception-Class-1.44-2.el8.noarch
 531 perl-Expect-1.35-10.el8.noarch
 532 perl-Exporter-5.72-396.el8.noarch
 533 perl-FCGI-0.78-11.module+el8.1.0+5423+06ba8c9c.x86_64
 534 perl-File-Copy-Recursive-0.40-3.el8.noarch
 535 perl-File-Listing-6.04-17.module+el8.3.0+7692+542c56f9.noarch
 536 perl-File-Path-2.15-2.el8.noarch
 537 perl-File-ShareDir-1.104-3.el8.noarch

538 perl-File-Temp-0.230.600-1.el8.noarch
 539 perl-Getopt-Long-2.50-4.el8.noarch
 540 perl-GSSAPI-0.28-25.el8.x86_64
 541 perl-HTML-Parser-3.72-15.module+el8.3.0+7692+542c56f9.x86_64
 542 perl-HTML-Tagset-3.20-34.module+el8.3.0+7692+542c56f9.noarch
 543 perl-HTML-Template-2.97-10.el8.noarch
 544 perl-HTTP-Cookies-6.04-2.module+el8.3.0+7692+542c56f9.noarch
 545 perl-HTTP-Date-6.02-19.module+el8.3.0+7692+542c56f9.noarch
 546 perl-HTTP-Message-6.18-1.module+el8.3.0+7692+542c56f9.noarch
 547 perl-HTTP-Negotiate-6.01-19.module+el8.3.0+7692+542c56f9.noarch
 548 perl-HTTP-Tiny-0.074-1.el8.noarch
 549 perl-interpreter-5.26.3-421.el8.x86_64
 550 perl-IO-1.38-421.el8.x86_64
 551 perl-IO-Compress-2.081-1.el8.noarch
 552 perl-IO-HTML-1.001-11.module+el8.3.0+7692+542c56f9.noarch
 553 perl-IO-Multiplex-1.16-9.el8.noarch
 554 perl-IO-Socket-INET6-2.72-12.el8.noarch
 555 perl-IO-Socket-IP-0.39-5.el8.noarch
 556 perl-IO-Socket-SSL-2.066-4.module+el8.6.0+20623+f0897f98.noarch
 557 perl-IO-Tty-1.12-11.el8.x86_64
 558 perl-IPC-ShareLite-0.17-30.el8.x86_64
 559 perl-IPC-SysV-2.07-397.el8.x86_64
 560 perl-JSON-2.97.001-2.el8.noarch
 561 perl-LDAP-0.66-7.el8.noarch
 562 perl-libnet-3.11-3.el8.noarch
 563 perl-libs-5.26.3-421.el8.x86_64
 564 perl-libwww-perl-6.34-1.module+el8.3.0+7692+542c56f9.noarch
 565 perl-Log-Dispatch-2.68-1.el8.noarch
 566 perl-Log-Dispatch-FileRotate-1.36-1.el8.noarch
 567 perl-Log-Log4perl-1.50-1.el8.noarch
 568 perl-LWP-MediaTypes-6.02-15.module+el8.3.0+7692+542c56f9.noarch
 569 perl-macros-5.26.3-421.el8.x86_64
 570 perl-Mail-Sender-0.903-7.el8.noarch
 571 perl-Mail-Sendmail-0.80-4.el8.noarch
 572 perl-MailTools-2.20-2.el8.noarch
 573 perl-Math-BigInt-1.9998.11-7.el8.noarch

574 perl-Math-BigRat-0.2614-1.el8.noarch
 575 perl-Math-Complex-1.59-421.el8.noarch
 576 perl-MIME-Base64-3.15-396.el8.x86_64
 577 perl-MIME-Lite-3.030-16.el8.noarch
 578 perl-MIME-Types-2.17-3.el8.noarch
 579 perl-Module-Implementation-0.09-15.el8.noarch
 580 perl-Module-Runtime-0.016-2.el8.noarch
 581 perl-Mozilla-CA-20160104-7.module+el8.3.0+7692+542c56f9.noarch
 582 perl-MRO-Compat-0.13-4.el8.noarch
 583 perl-namespace-autoclean-0.28-10.el8.noarch
 584 perl-namespace-clean-0.27-7.el8.noarch
 585 perl-NetAddr-IP-4.079-7.el8.x86_64
 586 perl-Net-CIDR-0.20-1.el8.noarch
 587 perl-Net-HTTP-6.17-2.module+el8.3.0+7692+542c56f9.noarch
 588 perl-Net-Ping-2.55-421.el8.noarch
 589 perl-Net-Server-2.009-3.el8.noarch
 590 perl-Net-SMTP-SSL-1.04-5.el8.noarch
 591 perl-Net-SNMP-6.0.1-25.el8.1.noarch
 592 perl-Net-SSLeay-1.88-2.module+el8.6.0+20623+f0897f98.x86_64
 593 perl-NTLM-1.09-17.module+el8.3.0+7692+542c56f9.noarch
 594 perl-Package-Generator-1.106-11.el8.noarch
 595 perl-Package-Stash-0.37-9.el8.noarch
 596 perl-Package-Stash-XS-0.28-17.el8.x86_64
 597 perl-PadWalker-2.3-2.el8.x86_64
 598 perl-Params-Classify-0.015-2.el8.x86_64
 599 perl-Params-Util-1.07-22.el8.x86_64
 600 perl-Params-Validate-1.29-5.el8.x86_64
 601 perl-Params-ValidationCompiler-0.27-1.el8.noarch
 602 perl-parent-0.237-1.el8.noarch
 603 perl-PathTools-3.74-1.el8.x86_64
 604 perl-Pod-Escapes-1.07-395.el8.noarch
 605 perl-podlators-4.11-1.el8.noarch
 606 perl-Pod-Perldoc-3.28-396.el8.noarch
 607 perl-Pod-Simple-3.35-395.el8.noarch
 608 perl-Pod-Usage-1.69-395.el8.noarch
 609 perl-Ref-Util-0.203-4.el8.noarch

610 perl-Ref-Util-XS-0.117-2.el8.x86_64
 611 perl-Role-Tiny-2.000006-2.el8.noarch
 612 perl-Scalar-List-Utils-1.49-2.el8.x86_64
 613 perl-SelfLoader-1.23-421.el8.noarch
 614 perl-Socket-2.027-3.el8.x86_64
 615 perl-Socket6-0.28-6.el8.x86_64
 616 perl-Specio-0.42-2.el8.noarch
 617 perl-srpm-macros-1-25.el8.noarch
 618 perl-Storable-3.11-3.el8.x86_64
 619 perl-Sub-Exporter-0.987-15.el8.noarch
 620 perl-Sub-Exporter-Progressive-0.001013-5.el8.noarch
 621 perl-Sub-Identify-0.14-6.el8.x86_64
 622 perl-Sub-Install-0.928-14.el8.noarch
 623 perl-Sys-Syslog-0.35-397.el8.x86_64
 624 perl-Taint-Runtime-0.03-32.el8.x86_64
 625 perl-Term-ANSIColor-4.06-396.el8.noarch
 626 perl-Term-Cap-1.17-395.el8.noarch
 627 perl-Text-Balanced-2.03-395.el8.noarch
 628 perl-Text-ParseWords-3.30-395.el8.noarch
 629 perl-Text-Soundex-3.05-8.el8.x86_64
 630 perl-Text-Tabs+Wrap-2013.0523-395.el8.noarch
 631 perl-Text-Unidecode-1.30-5.el8.noarch
 632 perl-threads-2.21-2.el8.x86_64
 633 perl-threads-shared-1.58-2.el8.x86_64
 634 perltidy-20180220-1.el8.noarch
 635 perl-TimeDate-2.30-15.module+el8.3.0+7692+542c56f9.noarch
 636 perl-Time-HiRes-1.9758-2.el8.x86_64
 637 perl-Time-Local-1.280-1.el8.noarch
 638 perl-Try-Tiny-0.30-7.module+el8.3.0+7692+542c56f9.noarch
 639 perl-Unicode-Normalize-1.25-396.el8.x86_64
 640 perl-URI-1.73-3.el8.noarch
 641 perl-Variable-Magic-0.62-3.el8.x86_64
 642 perl-version-0.99.24-1.el8.x86_64
 643 perl-WWW-RobotRules-6.02-18.module+el8.3.0+7692+542c56f9.noarch
 644 perl-XML-LibXML-2.0132-2.el8.x86_64
 645 perl-XML-Namespacesupport-1.12-4.el8.noarch

646 perl-XML-SAX-1.00-1.el8.noarch
 647 perl-XML-SAX-Base-1.09-4.el8.noarch
 648 pg_activity-2.3.1-1.rhel8.noarch
 649 pgaudit14_12-1.4.3-1.rhel8.x86_64
 650 pgdg-redhat-repo-42.0-32.noarch
 651 pg_jobmon_12-1.4.1-1.rhel8.noarch
 652 pg_partman_12-4.7.2-1.rhel8.x86_64
 653 pg_top12-3.7.0-5.rhel8.2.x86_64
 654 pgtune-0.9.3-12.da57e00.el7.noarch
 655 pigz-2.4-4.el8.x86_64
 656 pinentry-1.1.0-2.el8.x86_64
 657 pixman-0.38.4-2.el8.x86_64
 658 pkgconf-1.4.2-1.el8.x86_64
 659 pkgconf-m4-1.4.2-1.el8.noarch
 660 pkgconf-pkg-config-1.4.2-1.el8.x86_64
 661 platform-python-3.6.8-48.0.1.el8_7.x86_64
 662 platform-python-pip-9.0.3-22.el8.noarch
 663 platform-python-setuptools-39.2.0-6.el8.noarch
 664 policycoreutils-2.9-20.0.1.el8.x86_64
 665 policycoreutils-python-utils-2.9-20.0.1.el8.noarch
 666 polkit-0.115-13.0.1.el8_5.2.x86_64
 667 polkit-libs-0.115-13.0.1.el8_5.2.x86_64
 668 polkit-pkla-compatible-0.1-12.el8.x86_64
 669 poppler-20.11.0-5.el8.x86_64
 670 poppler-data-0.4.9-1.el8.noarch
 671 popt-1.18-1.el8.x86_64
 672 postgresql12-3.1.8-1.rhel8.x86_64
 673 postgresql12-12.13-1PGDG.rhel8.x86_64
 674 postgresql12-contrib-12.13-1PGDG.rhel8.x86_64
 675 postgresql12-libs-12.13-1PGDG.rhel8.x86_64
 676 postgresql12-plperl-12.13-1PGDG.rhel8.x86_64
 677 postgresql12-server-12.13-1PGDG.rhel8.x86_64
 678 prefixdevname-0.1.0-6.el8.x86_64
 679 procps-ng-3.3.15-9.0.1.el8.x86_64
 680 proj80-8.0.1-1.rhel8.x86_64
 681 proj81-8.1.1-1.rhel8.x86_64

682 proj82-8.2.1-1.rhel8.x86_64
 683 protobuf-3.5.0-15.el8.x86_64
 684 protobuf-c-1.3.0-6.el8.x86_64
 685 psmisc-23.1-5.el8.x86_64
 686 publicsuffix-list-dafsa-20180723-1.el8.noarch
 687 pv-1.6.6-7.el8.x86_64
 688 python2-2.7.18-11.0.1.module+el8.7.0+20809+34912fc4.x86_64
 689 python2-libs-2.7.18-11.0.1.module+el8.7.0+20809+34912fc4.x86_64
 690 python2-pip-9.0.3-19.module+el8.6.0+20550+a85dc526.noarch
 691 python2-pip-wheel-9.0.3-19.module+el8.6.0+20550+a85dc526.noarch
 692 python2-setuptools-39.0.1-13.module+el8.5.0+743+cd2f5d28.noarch
 693 python2-setuptools-wheel-39.0.1-13.module+el8.5.0+743+cd2f5d28.noarch
 694 python36-3.6.8-38.module+el8.5.0+20329+5c5719bc.x86_64
 695 python3-attrs-19.3.0-5.el8.noarch
 696 python3-audit-3.0.7-4.el8.x86_64
 697 python3-blessed-1.19.1-1.el8.noarch
 698 python3-configobj-5.0.6-11.el8.noarch
 699 python3-dateutil-2.6.1-6.el8.noarch
 700 python3-dbus-1.2.4-15.el8.x86_64
 701 python3-decorator-4.2.1-2.el8.noarch
 702 python3-dnf-4.7.0-11.0.1.el8.noarch
 703 python3-dnf-plugins-core-4.0.21-14.1.0.1.el8.noarch
 704 python3-gobject-base-3.28.3-2.el8.x86_64
 705 python3-gpg-1.13.1-11.el8.x86_64
 706 python3-hawkey-0.63.0-11.1.0.1.el8.x86_64
 707 python3-humanize-0.5.1-13.el8.noarch
 708 python3-libcomps-0.1.18-1.el8.x86_64
 709 python3-libdnf-0.63.0-11.1.0.1.el8.x86_64
 710 python3-libs-3.6.8-48.0.1.el8_7.x86_64
 711 python3-libseltlinux-2.9-6.el8.x86_64
 712 python3-libsemanage-2.9-9.el8_6.x86_64
 713 python3-linux-procfs-0.7.0-1.el8.noarch
 714 python3-perf-4.18.0-425.10.1.el8_7.x86_64
 715 python3-pip-9.0.3-22.el8.noarch
 716 python3-pip-wheel-9.0.3-22.el8.noarch
 717 python3-policycoreutils-2.9-20.0.1.el8.noarch

```

718 python3-psutil-5.7.3-1.el8.x86_64
719 python3-psycpg2-2.8.6-1.rhel8.x86_64
720 python3-pyudev-0.21.0-7.el8.noarch
721 python3-rpm-4.14.3-24.el8_7.x86_64
722 python3-rpm-macros-3-43.el8.noarch
723 python3-schedutils-0.6-6.el8.x86_64
724 python3-setools-4.3.0-3.el8.x86_64
725 python3-setuptools-39.2.0-6.el8.noarch
726 python3-setuptools-wheel-39.2.0-6.el8.noarch
727 python3-six-1.11.0-8.el8.noarch
728 python3-syspurpose-1.28.13-3.el8_4.x86_64
729 python3-unbound-1.16.2-2.el8.x86_64
730 python3-wcwidth-0.2.5-3.el8.noarch
731 python-rpm-macros-3-43.el8.noarch
732 python-srpm-macros-3-43.el8.noarch
733 qt5-qtbase-5.15.3-1.el8.x86_64
734 qt5-qtbase-common-5.15.3-1.el8.noarch
735 qt5-qtbase-gui-5.15.3-1.el8.x86_64
736 qt5-qtsvg-5.15.3-1.el8.x86_64
737 qt5-srpm-macros-5.15.3-1.el8.noarch
738 rdma-core-41.0-1.el8.x86_64
739 readline-7.0-10.el8.x86_64
740 redhat-release-8.7-0.3.0.1.el8.x86_64
741 redhat-rpm-config-130-1.0.1.el8.noarch
742 remi-release-8.6-1.el8.remi.noarch
743 rng-tools-6.15-1.el8.x86_64
744 rootfiles-8.1-22.el8.noarch
745 rpm-4.14.3-24.el8_7.x86_64
746 rpm-build-4.14.3-24.el8_7.x86_64
747 rpm-build-libs-4.14.3-24.el8_7.x86_64
748 rpmdevtools-8.10-8.0.1.el8.noarch
749 rpm-libs-4.14.3-24.el8_7.x86_64
750 rpm-plugin-fapolicyd-4.14.3-24.el8_7.x86_64
751 rpm-plugin-selinux-4.14.3-24.el8_7.x86_64
752 rpm-plugin-systemd-inhibit-4.14.3-24.el8_7.x86_64
753 rrdtool-1.7.0-16.el8.x86_64

```

754 rrdtool-perl-1.7.0-16.el8.x86_64
 755 rsyslog-8.2102.0-10.el8.x86_64
 756 rsyslog-gnutls-8.2102.0-10.el8.x86_64
 757 rust-srpm-macros-5-2.el8.noarch
 758 scap-security-guide-0.1.63-4.0.2.el8.noarch
 759 sed-4.5-5.el8.x86_64
 760 selinux-policy-3.14.3-108.0.2.el8.noarch
 761 selinux-policy-targeted-3.14.3-108.0.2.el8.noarch
 762 setup-2.12.2-7.el8.noarch
 763 SFCGAL-1.4.1-12.rhel8.x86_64
 764 SFCGAL-libs-1.4.1-12.rhel8.x86_64
 765 sg3_utils-1.44-6.el8.x86_64
 766 sg3_utils-libs-1.44-6.el8.x86_64
 767 shadow-utils-4.6-17.el8.x86_64
 768 shapelib-1.5.0-1.el8.x86_64
 769 shared-mime-info-1.9-3.el8.x86_64
 770 sharutils-4.15.2-11.el8.x86_64
 771 snappy-1.1.8-3.el8.x86_64
 772 sqlite-libs-3.26.0-17.el8_7.x86_64
 773 squashfs-tools-4.3-20.el8.x86_64
 774 sscg-3.0.0-5.el8.x86_64
 775 sssd-client-2.7.3-4.0.1.el8_7.3.x86_64
 776 sssd-common-2.7.3-4.0.1.el8_7.3.x86_64
 777 sssd-kcm-2.7.3-4.0.1.el8_7.3.x86_64
 778 sssd-nfs-idmap-2.7.3-4.0.1.el8_7.3.x86_64
 779 sudo-1.8.29-8.el8.x86_64
 780 SuperLU-5.2.0-7.el8.x86_64
 781 sysstat-11.7.3-7.0.1.el8_7.1.x86_64
 782 systemd-239-68.0.2.el8_7.2.x86_64
 783 systemd-libs-239-68.0.2.el8_7.2.x86_64
 784 systemd-pam-239-68.0.2.el8_7.2.x86_64
 785 systemd-udev-239-68.0.2.el8_7.2.x86_64
 786 tar-1.30-6.el8.x86_64
 787 tcl-8.6.8-2.el8.x86_64
 788 timex-0.5-3.el8.x86_64
 789 tmpwatch-2.11-14.el8.x86_64

790 tmux-2.7-1.el8.x86_64
 791 tnt-base-4.0.1-62018.noarch
 792 tnt-db-location-1.0.0-80269.noarch
 793 tnt-libperl-tnt-1.5.0-65269.noarch
 794 tnt-release-6.6.2-1_202301201035.noarch
 795 tnt-setup-1.8.2-80340.noarch
 796 tnt-setup-vmware-1.8.2-80340.noarch
 797 tnt-tools-1.5.5-78342.x86_64
 798 tpm2-tss-2.3.2-4.el8.x86_64
 799 trousers-0.3.15-1.el8.x86_64
 800 trousers-lib-0.3.15-1.el8.x86_64
 801 tuned-2.19.0-1.0.1.el8.noarch
 802 tzdata-2022g-1.el8.noarch
 803 unbound-libs-1.16.2-2.el8.x86_64
 804 unixODBC-2.3.7-1.el8.x86_64
 805 unzip-6.0-46.0.1.el8.x86_64
 806 usbguard-1.0.0-8.el8_7.2.x86_64
 807 usbguard-selinux-1.0.0-8.el8_7.2.noarch
 808 usermode-1.113-2.el8.x86_64
 809 util-linux-2.32.1-39.el8_7.x86_64
 810 util-linux-user-2.32.1-39.el8_7.x86_64
 811 vim-minimal-8.0.1763-19.0.1.el8_6.4.x86_64
 812 virt-what-1.25-1.el8.x86_64
 813 vs-helper-6.6.2-1.x86_64
 814 wget-1.19.5-10.0.1.el8.x86_64
 815 which-2.21-18.el8.x86_64
 816 xcb-util-0.4.0-10.el8.x86_64
 817 xcb-util-image-0.4.0-9.el8.x86_64
 818 xcb-util-keysyms-0.4.0-7.el8.x86_64
 819 xcb-util-renderutil-0.3.9-10.el8.x86_64
 820 xcb-util-wm-0.4.1-12.el8.x86_64
 821 xdelta-3.1.0-4.el8.x86_64
 822 xerces-c-3.2.3-5.el8.x86_64
 823 xfsprogs-5.4.0-1.0.4.el8.x86_64
 824 xkeyboard-config-2.28-1.el8.noarch
 825 xml-common-0.6.3-50.el8.noarch

826 xmlsec1-1.2.25-4.el8.x86_64
827 xmlsec1-openssl-1.2.25-4.el8.x86_64
828 xz-5.2.4-4.el8_6.x86_64
829 xz-libs-5.2.4-4.el8_6.x86_64
830 yajl-2.1.0-11.el8.x86_64
831 yum-4.7.0-11.0.1.el8.noarch
832 yum-utils-4.0.21-14.1.0.1.el8.noarch
833 zip-3.0-23.el8.x86_64
834 zlib-1.2.11-21.el8_7.x86_64
835 zstd-1.4.4-1.0.1.el8.x86_64

Stratusphere Collector Appliance Installed Packages

- 1 acl-2.2.53-1.el8.x86_64
- 2 aide-0.16-14.el8_5.1.x86_64
- 3 alsa-lib-1.2.7.2-1.el8.x86_64
- 4 apache-commons-cli-1.4-4.module+el8+5161+5cac467c.noarch
- 5 apache-commons-codec-1.13-3.module_el8.2.0+364+b808f688.noarch
- 6 apache-commons-collections-3.2.2-10.module_el8.2.0+315+896aef55.noarch
- 7 apr-1.6.3-12.el8.x86_64
- 8 apr-util-1.6.1-6.el8.x86_64
- 9 apr-util-bdb-1.6.1-6.el8.x86_64
- 10 apr-util-openssl-1.6.1-6.el8.x86_64
- 11 atk-2.28.1-1.el8.x86_64
- 12 audispd-plugins-3.0.7-4.el8.x86_64
- 13 audit-3.0.7-4.el8.x86_64
- 14 audit-libs-3.0.7-4.el8.x86_64
- 15 authselect-1.2.5-2.el8_7.x86_64
- 16 authselect-compat-1.2.5-2.el8_7.x86_64
- 17 authselect-libs-1.2.5-2.el8_7.x86_64
- 18 avahi-libs-0.7-20.el8.x86_64
- 19 basesystem-11-5.el8.noarch
- 20 bash-4.4.20-4.el8_6.x86_64
- 21 bc-1.07.1-5.el8.x86_64
- 22 bind-export-libs-9.11.36-5.el8_7.2.x86_64
- 23 binutils-2.30-117.0.3.el8.x86_64
- 24 bridge-utils-1.7.1-2.el8.x86_64
- 25 brotli-1.0.6-3.el8.x86_64
- 26 bzip2-1.0.6-26.el8.x86_64
- 27 bzip2-libs-1.0.6-26.el8.x86_64
- 28 ca-certificates-2022.2.54-80.2.el8_6.noarch
- 29 cairo-1.15.12-6.el8.x86_64
- 30 c-ares-1.13.0-6.el8.x86_64
- 31 centos-gpg-keys-8-2.el8.noarch
- 32 checkpolicy-2.9-1.el8.x86_64
- 33 chkconfig-1.19.1-1.0.1.el8.x86_64
- 34 chkrootkit-0.50-4el7.x86_64

35 chrony-4.2-1.0.1.el8.x86_64
36 clamav-0.103.7-1.el8.x86_64
37 clamav-filesystem-0.103.7-1.el8.noarch
38 clamav-lib-0.103.7-1.el8.x86_64
39 clamav-update-0.103.7-1.el8.x86_64
40 cntlm-0.92.3-1.x86_64
41 conntrack-tools-1.4.4-10.el8.x86_64
42 copy-jdk-configs-4.0-2.el8.noarch
43 coreutils-8.30-13.0.1.el8.x86_64
44 coreutils-common-8.30-13.0.1.el8.x86_64
45 cpio-2.12-11.el8.x86_64
46 cracklib-2.9.6-15.el8.x86_64
47 cracklib-dicts-2.9.6-15.el8.x86_64
48 cronie-1.5.2-8.el8.x86_64
49 cronie-anacron-1.5.2-8.el8.x86_64
50 crontabs-1.11-17.20190603git.el8.noarch
51 crypto-policies-20211116-1.gitae470d6.el8.noarch
52 crypto-policies-scripts-20211116-1.gitae470d6.el8.noarch
53 cryptsetup-2.3.7-2.el8.x86_64
54 cryptsetup-libs-2.3.7-2.el8.x86_64
55 cups-libs-2.2.6-50.el8.x86_64
56 curl-7.61.1-25.el8_7.1.x86_64
57 cyrus-sasl-lib-2.1.27-6.el8_5.x86_64
58 dbus-1.12.8-23.0.1.el8_7.1.x86_64
59 dbus-common-1.12.8-23.0.1.el8_7.1.noarch
60 dbus-daemon-1.12.8-23.0.1.el8_7.1.x86_64
61 dbus-glib-0.110-2.el8.x86_64
62 dbus-libs-1.12.8-23.0.1.el8_7.1.x86_64
63 dbus-tools-1.12.8-23.0.1.el8_7.1.x86_64
64 dejavu-fonts-common-2.35-7.el8.noarch
65 dejavu-sans-mono-fonts-2.35-7.el8.noarch
66 device-mapper-1.02.181-6.el8.x86_64
67 device-mapper-libs-1.02.181-6.el8.x86_64
68 dhcp-client-4.3.6-48.el8_7.1.x86_64
69 dhcp-common-4.3.6-48.el8_7.1.noarch
70 dhcp-libs-4.3.6-48.el8_7.1.x86_64

71 diffutils-3.6-6.el8.x86_64
72 dmidecode-3.3-4.el8.x86_64
73 dnf-4.7.0-11.0.1.el8.noarch
74 dnf-automatic-4.7.0-11.0.1.el8.noarch
75 dnf-data-4.7.0-11.0.1.el8.noarch
76 dnf-plugins-core-4.0.21-14.1.0.1.el8.noarch
77 dracut-049-209.git20220815.0.1.el8.x86_64
78 dracut-config-rescue-049-209.git20220815.0.1.el8.x86_64
79 dracut-network-049-209.git20220815.0.1.el8.x86_64
80 dracut-squash-049-209.git20220815.0.1.el8.x86_64
81 dwz-0.12-10.el8.x86_64
82 e2fsprogs-1.45.6-5.el8.x86_64
83 e2fsprogs-libs-1.45.6-5.el8.x86_64
84 ed-1.14.2-4.el8.x86_64
85 efi-srpm-macros-3-3.0.1.el8.noarch
86 elfutils-0.187-4.el8.x86_64
87 elfutils-debuginfod-client-0.187-4.el8.x86_64
88 elfutils-default-yama-scope-0.187-4.el8.noarch
89 elfutils-libelf-0.187-4.el8.x86_64
90 elfutils-libs-0.187-4.el8.x86_64
91 elrepo-release-8.3-1.el8.elrepo.noarch
92 emacs-filesystem-26.1-7.el8.noarch
93 epel-release-8-18.el8.noarch
94 ethtool-5.13-2.el8.x86_64
95 expat-2.2.5-10.0.1.el8_7.1.x86_64
96 expect-5.45.4-5.el8.x86_64
97 fapolicyd-1.1.3-8.0.1.el8_7.1.x86_64
98 fapolicyd-selinux-1.1.3-8.0.1.el8_7.1.noarch
99 file-5.33-21.el8.x86_64
100 file-libs-5.33-21.el8.x86_64
101 filesystem-3.8-6.el8.x86_64
102 findutils-4.6.0-20.el8.x86_64
103 fipscheck-1.5.0-4.el8.x86_64
104 fipscheck-lib-1.5.0-4.el8.x86_64
105 firewalld-filesystem-0.9.3-13.0.1.el8.noarch
106 fontconfig-2.13.1-4.el8.x86_64

107 fontpackages-filesystem-1.44-22.el8.noarch
108 freetype-2.9.1-9.el8.x86_64
109 fribidi-1.0.4-9.el8.x86_64
110 fuse-2.9.7-16.0.1.el8.x86_64
111 fuse-common-3.3.0-16.0.1.el8.x86_64
112 fuse-libs-2.9.7-16.0.1.el8.x86_64
113 gawk-4.2.1-4.el8.x86_64
114 gc-7.6.4-3.el8.x86_64
115 GConf2-3.2.6-22.el8.x86_64
116 gdb-headless-8.2-19.0.1.el8.x86_64
117 gdbm-1.18-2.el8.x86_64
118 gdbm-libs-1.18-2.el8.x86_64
119 gdk-pixbuf2-2.36.12-5.el8.x86_64
120 gdk-pixbuf2-modules-2.36.12-5.el8.x86_64
121 geolite2-city-20180605-1.el8.noarch
122 geolite2-country-20180605-1.el8.noarch
123 gettext-0.19.8.1-17.el8.x86_64
124 gettext-libs-0.19.8.1-17.el8.x86_64
125 ghc-srpm-macros-1.4.2-7.el8.noarch
126 giflib-5.1.4-3.el8.x86_64
127 glib2-2.56.4-159.0.1.el8.x86_64
128 glibc-2.28-211.0.1.el8.x86_64
129 glibc-common-2.28-211.0.1.el8.x86_64
130 glibc-gconv-extra-2.28-211.0.1.el8.x86_64
131 glibc-langpack-en-2.28-211.0.1.el8.x86_64
132 gmp-6.1.2-10.el8.x86_64
133 gnupg2-2.2.20-3.el8_6.x86_64
134 gnupg2-smime-2.2.20-3.el8_6.x86_64
135 gnutls-3.6.16-5.el8_6.x86_64
136 gobject-introspection-1.56.1-1.el8.x86_64
137 go-srpm-macros-2-17.el8.noarch
138 gpgme-1.13.1-11.el8.x86_64
139 gpg-pubkey-00f97f56-467e318a
140 gpg-pubkey-0364b949-58bd2928
141 gpg-pubkey-1fef0014-6204dda2
142 gpg-pubkey-2f86d6a1-5cf7cefb

143 gpg-pubkey-478f8947-5ff329c5
144 gpg-pubkey-4c21a808-5e4a9a41
145 gpg-pubkey-5ba5fa8d-5ccc6012
146 gpg-pubkey-5f11735a-5a58bcd7
147 gpg-pubkey-846a40cd-5f7b444a
148 gpg-pubkey-8483c65d-5ccc5b19
149 gpg-pubkey-ad986da3-5cabf60d
150 gpg-pubkey-baadae52-49beffa4
151 gpg-pubkey-bbae6f1b-5c790651
152 graphite2-1.3.10-10.el8.x86_64
153 grep-3.1-6.el8.x86_64
154 groff-base-1.22.3-18.el8.x86_64
155 grub2-common-2.02-142.0.1.el8.noarch
156 grub2-pc-2.02-142.0.1.el8.x86_64
157 grub2-pc-modules-2.02-142.0.1.el8.noarch
158 grub2-tools-2.02-142.0.1.el8.x86_64
159 grub2-tools-efi-2.02-142.0.1.el8.x86_64
160 grub2-tools-extra-2.02-142.0.1.el8.x86_64
161 grub2-tools-minimal-2.02-142.0.1.el8.x86_64
162 grubby-8.40-47.0.1.el8.x86_64
163 gtk2-2.24.32-5.el8.x86_64
164 gtk-update-icon-cache-3.22.30-11.el8.x86_64
165 guile-2.0.14-7.0.1.el8.x86_64
166 gzip-1.9-13.el8_5.x86_64
167 hardlink-1.3-6.el8.x86_64
168 harfbuzz-1.7.5-3.el8.x86_64
169 hdparm-9.54-4.el8.x86_64
170 hicolor-icon-theme-0.17-2.el8.noarch
171 hostname-3.20-6.el8.x86_64
172 httpd-2.4.37-51.0.1.module+el8.7.0+20778+02173b8e.x86_64
173 httpd-filesystem-2.4.37-51.0.1.module+el8.7.0+20778+02173b8e.noarch
174 httpd-tools-2.4.37-51.0.1.module+el8.7.0+20778+02173b8e.x86_64
175 hwdata-0.314-8.14.el8.noarch
176 ima-evm-utils-1.3.2-12.el8.x86_64
177 info-6.5-7.el8.x86_64
178 initscripts-10.00.18-1.el8.x86_64

179 ipcalc-0.2.4-4.el8.x86_64
180 iproute-5.18.0-1.el8.x86_64
181 iprutils-2.4.19-1.el8.x86_64
182 ipset-7.1-1.el8.x86_64
183 ipset-libs-7.1-1.el8.x86_64
184 iptables-1.8.4-23.0.1.el8.x86_64
185 iptables-libs-1.8.4-23.0.1.el8.x86_64
186 iptables-services-1.8.4-23.0.1.el8.x86_64
187 iputils-20180629-10.el8.x86_64
188 irqbalance-1.9.0-3.el8.x86_64
189 jansson-2.14-1.el8.x86_64
190 jasper-libs-2.0.14-5.el8.x86_64
191 java-1.8.0-openjdk-1.8.0.352.b08-2.el8_7.x86_64
192 java-1.8.0-openjdk-devel-1.8.0.352.b08-2.el8_7.x86_64
193 java-1.8.0-openjdk-headless-1.8.0.352.b08-2.el8_7.x86_64
194 javapackages-filessystem-5.3.0-1.module+el8+5136+7ff78f74.noarch
195 jbigkit-libs-2.1-14.el8.x86_64
196 jq-1.6-3.el8.x86_64
197 json-c-0.13.1-3.el8.x86_64
198 kbd-2.0.4-10.el8.x86_64
199 kbd-legacy-2.0.4-10.el8.noarch
200 kbd-misc-2.0.4-10.el8.noarch
201 kernel-4.18.0-425.10.1.el8_7.x86_64
202 kernel-core-4.18.0-425.10.1.el8_7.x86_64
203 kernel-modules-4.18.0-425.10.1.el8_7.x86_64
204 kernel-tools-4.18.0-425.10.1.el8_7.x86_64
205 kernel-tools-libs-4.18.0-425.10.1.el8_7.x86_64
206 kexec-tools-2.0.24-6.0.1.el8.x86_64
207 keyutils-libs-1.5.10-9.el8.x86_64
208 kmod-25-19.0.2.el8.x86_64
209 kmod-libs-25-19.0.2.el8.x86_64
210 kpartx-0.8.4-28.el8_7.1.x86_64
211 krb5-libs-1.18.2-22.0.1.el8_7.x86_64
212 ldns-1.7.0-21.el8.x86_64
213 less-530-1.el8.x86_64
214 libacl-2.2.53-1.el8.x86_64

215 libarchive-3.3.3-4.el8.x86_64
216 libassuan-2.5.1-3.el8.x86_64
217 libatomic_ops-7.6.2-3.el8.x86_64
218 libattr-2.4.48-3.el8.x86_64
219 libbabeltrace-1.5.4-4.el8.x86_64
220 libbasicobjects-0.1.1-40.el8.x86_64
221 libblkid-2.32.1-39.el8_7.x86_64
222 libbpf-0.5.0-1.el8.x86_64
223 libcap-2.48-4.el8.x86_64
224 libcap-ng-0.7.11-1.el8.x86_64
225 libcap-ng-utils-0.7.11-1.el8.x86_64
226 libcollection-0.7.0-40.el8.x86_64
227 libcom_err-1.45.6-5.el8.x86_64
228 libcomps-0.1.18-1.el8.x86_64
229 libcroco-0.6.12-4.el8_2.1.x86_64
230 libcurl-7.61.1-25.el8_7.1.x86_64
231 libdatrie-0.2.9-7.el8.x86_64
232 libdb-5.3.28-42.el8_4.x86_64
233 libdb-utils-5.3.28-42.el8_4.x86_64
234 libdhash-0.5.0-40.el8.x86_64
235 libdnf-0.63.0-11.1.0.1.el8.x86_64
236 libdrm-2.4.111-1.el8.x86_64
237 libedit-3.1-23.20170329cvs.el8.x86_64
238 libestr-0.1.10-3.el8.x86_64
239 libevent-2.1.8-5.el8.x86_64
240 libfastjson-0.99.9-1.el8.x86_64
241 libfdisk-2.32.1-39.el8_7.x86_64
242 libffi-3.1-23.el8.x86_64
243 libfontenc-1.1.3-8.el8.x86_64
244 libgcc-8.5.0-16.0.1.el8_7.x86_64
245 libgcrypt-1.8.5-7.el8_6.x86_64
246 libgomp-8.5.0-16.0.1.el8_7.x86_64
247 libgpg-error-1.31-1.el8.x86_64
248 libibverbs-41.0-1.el8.x86_64
249 libicu-60.3-2.el8_1.x86_64
250 libidn2-2.2.0-1.el8.x86_64

251 libini_config-1.3.1-40.el8.x86_64
252 libipt-1.6.1-8.el8.x86_64
253 libjpeg-turbo-1.5.3-12.el8.x86_64
254 libkcapi-1.2.0-2.0.1.el8.x86_64
255 libkcapi-hmaccalc-1.2.0-2.0.1.el8.x86_64
256 libksba-1.3.5-8.el8_6.x86_64
257 libldb-2.5.2-2.el8.x86_64
258 libmaxminddb-1.2.0-10.el8.x86_64
259 libmetalink-0.1.3-7.el8.x86_64
260 libmnl-1.0.4-6.el8.x86_64
261 libmodulemd1-1.8.16-0.2.13.0.1.x86_64
262 libmodulemd-2.13.0-1.el8.x86_64
263 libmount-2.32.1-39.el8_7.x86_64
264 libmspack-0.7-0.3.alpha.el8.4.x86_64
265 libnetfilter_conntrack-1.0.6-5.el8.x86_64
266 libnetfilter_cthelper-1.0.0-15.el8.x86_64
267 libnetfilter_cttimeout-1.0.0-11.el8.x86_64
268 libnetfilter_queue-1.0.4-3.el8.x86_64
269 libnfnetwork-1.0.1-13.el8.x86_64
270 libnfsidmap-2.3.3-57.el8.x86_64
271 libnftnl-1.1.5-5.el8.x86_64
272 libnghttp2-1.41.0-1.module_el8+9071+b2b61c14.x86_64
273 libnl3-3.7.0-1.el8.x86_64
274 libnsl2-1.2.0-2.20180605git4a062cf.el8.x86_64
275 libpath_utils-0.2.1-40.el8.x86_64
276 libpcap-1.9.1-5.el8.x86_64
277 libpciaccess-0.14-1.el8.x86_64
278 libpipeline-1.5.0-2.el8.x86_64
279 libpkgconf-1.4.2-1.el8.x86_64
280 libpng-1.6.34-5.el8.x86_64
281 libpq5-15.1-42PGDG.rhel8.x86_64
282 libprelude-5.2.0-1.el8.x86_64
283 libpsl-0.20.2-6.el8.x86_64
284 libpwquality-1.4.4-5.el8.x86_64
285 libqb-1.0.3-13.el8_7.x86_64
286 libref_array-0.1.5-40.el8.x86_64

287 librepo-1.14.2-3.el8.x86_64
288 libreport-filesystem-2.9.5-15.0.3.el8.x86_64
289 libreswan-4.5-1.0.1.el8.x86_64
290 libseccomp-2.5.2-1.el8.x86_64
291 libsecret-0.18.6-1.el8.x86_64
292 libselinux-2.9-6.el8.x86_64
293 libselinux-utils-2.9-6.el8.x86_64
294 libsemanage-2.9-9.el8_6.x86_64
295 libsepol-2.9-3.el8.x86_64
296 libsigsegv-2.11-5.el8.x86_64
297 libsmartcols-2.32.1-39.el8_7.x86_64
298 libsolv-0.7.20-4.el8_7.x86_64
299 libss-1.45.6-5.el8.x86_64
300 libssh-0.9.6-3.el8.x86_64
301 libssh-config-0.9.6-3.el8.noarch
302 libsss_autofs-2.7.3-4.0.1.el8_7.3.x86_64
303 libsss_certmap-2.7.3-4.0.1.el8_7.3.x86_64
304 libsss_idmap-2.7.3-4.0.1.el8_7.3.x86_64
305 libsss_nss_idmap-2.7.3-4.0.1.el8_7.3.x86_64
306 libsss_sudo-2.7.3-4.0.1.el8_7.3.x86_64
307 libstdc++-8.5.0-16.0.1.el8_7.x86_64
308 libsysfs-2.1.0-25.el8.x86_64
309 libtalloc-2.3.3-2.el8.x86_64
310 libtasn1-4.13-4.el8_7.x86_64
311 libtdb-1.4.6-1.el8.x86_64
312 libtevent-0.12.0-0.el8.x86_64
313 libthai-0.1.27-2.el8.x86_64
314 libtiff-4.0.9-26.el8_7.x86_64
315 libtirpc-1.1.4-8.el8.x86_64
316 libtool-ltdl-2.4.6-25.el8.x86_64
317 libunistring-0.9.9-3.el8.x86_64
318 libusbx-1.0.23-4.el8.x86_64
319 libuser-0.62-24.el8.x86_64
320 libutempter-1.1.6-14.el8.x86_64
321 libuuid-2.32.1-39.el8_7.x86_64
322 libverto-0.3.2-2.el8.x86_64

323 libX11-1.6.8-5.el8.x86_64
324 libX11-common-1.6.8-5.el8.noarch
325 libXau-1.0.9-3.el8.x86_64
326 libxcb-1.13.1-1.el8.x86_64
327 libXcomposite-0.4.4-14.el8.x86_64
328 libxcrypt-4.1.1-6.el8.x86_64
329 libXcursor-1.1.15-3.el8.x86_64
330 libXdamage-1.1.4-14.el8.x86_64
331 libXext-1.3.4-1.el8.x86_64
332 libXfixes-5.0.3-7.el8.x86_64
333 libXft-2.3.3-1.el8.x86_64
334 libXi-1.7.10-1.el8.x86_64
335 libXinerama-1.1.4-1.el8.x86_64
336 libxkbcommon-0.9.1-1.el8.x86_64
337 libxml2-2.9.7-15.el8_7.1.x86_64
338 libXrandr-1.5.2-1.el8.x86_64
339 libXrender-0.9.10-7.el8.x86_64
340 libxslt-1.1.32-6.0.1.el8.x86_64
341 libXtst-1.2.3-7.el8.x86_64
342 libyaml-0.1.7-5.el8.x86_64
343 libzstd-1.4.4-1.0.1.el8.x86_64
344 linux-firmware-20220907-999.14.git2f2f0181.el8.noarch
345 linux-firmware-core-20220907-999.14.git2f2f0181.el8.noarch
346 lksctp-tools-1.0.18-3.el8.x86_64
347 lmdb-libs-0.9.24-1.el8.x86_64
348 lm_sensors-libs-3.4.0-23.20180522git70f7e08.el8.x86_64
349 logrotate-3.14.0-4.el8.x86_64
350 lshw-B.02.19.2-6.el8.x86_64
351 lsof-4.93.2-1.el8.x86_64
352 lsscsi-0.32-3.el8.x86_64
353 lua-5.3.4-12.el8.x86_64
354 lua-libs-5.3.4-12.el8.x86_64
355 lwl-apache-jakarta-tomcat-9.0.70-80502.noarch
356 lwl-base-appliance-8.0-202301201036.stable.e7b3be9.noarch
357 lwl-base-appliance-oracle-8.0-202301201036.stable.e7b3be9.noarch
358 lwl-base-appliance-vmware-8.0-master.916427a.noarch

359 lwl-collector-1.0.1-78995.noarch
360 lwl-collector-backend-1.0.1-80509.noarch
361 lwl-collector-backend-deps-1.0.0-80509.noarch
362 lwl-collector-common-1.0.1-78995.noarch
363 lwl-common-identity-osgi-modules-1.0.1-1.noarch
364 lwl-common-osgi-modules-1.0.11-1.noarch
365 lwl-config-utils-1.0.0-80173.noarch
366 lwl-console-2.0.0-78564.noarch
367 lwl-diag-common-1.0.0-80072.noarch
368 lwl-httpd-config-1.0.2-79917.noarch
369 lwl-java-setup-1.6.0-79433.noarch
370 lwl-keyring-1.0.8-80181.noarch
371 lwl-module-apache-common-beanutils-1.9.4-3.noarch
372 lwl-module-apache-common-codec-1.15-1.noarch
373 lwl-module-apache-common-collections-4.4-2.noarch
374 lwl-module-apache-common-csv-1.4-1.noarch
375 lwl-module-apache-common-http-client-4.5.13-1.noarch
376 lwl-module-apache-common-math-3.6.1-2.noarch
377 lwl-module-apache-commons-lang3-3.11-1.noarch
378 lwl-module-atomikos-5.0.9-3.noarch
379 lwl-module-bouncycastle-1.72-1.noarch
380 lwl-module-common-dao-impl-jdbc-0.94-1.noarch
381 lwl-module-common-rest-api-0.80-1.noarch
382 lwl-module-database-config-0.152-1.noarch
383 lwl-module-database-copy-postgresql-0.15-1.noarch
384 lwl-module-database-datasourceprovider-atomikos-0.12-1.noarch
385 lwl-module-database-datasourceprovider-postgresql-0.13-1.noarch
386 lwl-module-database-dbinfopvider-properties-0.10-1.noarch
387 lwl-module-database-dbinfopvider-simple-0.6-1.noarch
388 lwl-module-database-monitor-postgresql-0.4-1.noarch
389 lwl-module-database-partition-postgresql-0.25-1.noarch
390 lwl-module-datastore-dao-0.16-1.noarch
391 lwl-module-datastore-dao-impl-jdbc-0.26-1.noarch
392 lwl-module-datastore-model-0.7-1.noarch
393 lwl-module-domain-model-0.20.1-1.noarch
394 lwl-module-eventbus-0.37-1.noarch

395 lwl-module-executorservice-0.63-1.noarch
396 lwl-module-fam-0.33-1.noarch
397 lwl-module-groovy-3.0.7-1.noarch
398 lwl-module-gson-2.8.5-3.noarch
399 lwl-module-guava-28.2-2.noarch
400 lwl-module-hardware-profile-converter-0.8-1.noarch
401 lwl-module-hardware-profile-converter-vmware-0.4-1.noarch
402 lwl-module-host-dao-0.13-1.noarch
403 lwl-module-host-dao-impl-jdbc-0.27-1.noarch
404 lwl-module-host-model-0.15-1.noarch
405 lwl-module-jasypt-1.9.3-2.noarch
406 lwl-module-java-mail-1.6.2-2.noarch
407 lwl-module-json-provider-0.10-1.noarch
408 lwl-module-json-provider-gson-0.11-1.noarch
409 lwl-module-node-dao-0.40-1.noarch
410 lwl-module-node-dao-impl-jdbc-0.72-1.noarch
411 lwl-module-node-model-0.25-1.noarch
412 lwl-module-objectbase-0.25-1.noarch
413 lwl-module-oval-0.14-1.noarch
414 lwl-module-postgresql-jdbc-42.5.1-1.noarch
415 lwl-module-propholder-0.32-1.noarch
416 lwl-module-quartz-2.3.2-1.noarch
417 lwl-module-scheduler-0.12-1.noarch
418 lwl-module-slf4j-1.7.30-1.noarch
419 lwl-module-stratusphere-database-config-0.31-1.noarch
420 lwl-module-stratusphere-inspection-data-processor-copy-0.250-1.noarch
421 lwl-module-stratusphere-inspection-data-reader-0.35-1.noarch
422 lwl-module-tnt-common-java-1.4-1.noarch
423 lwl-module-tnt-identity-common-java-1.6-1.noarch
424 lwl-module-ung-0.11-1.noarch
425 lwl-module-unique-number-generator-impl-jdbc-0.17-1.noarch
426 lwl-module-urldetails-dao-0.10-1.noarch
427 lwl-module-urldetails-dao-impl-jdbc-0.8-1.noarch
428 lwl-module-urldetails-model-0.4-1.noarch
429 lwl-module-vms-dao-0.38-1.noarch
430 lwl-module-vms-dao-impl-jdbc-0.39-1.noarch

431 lwl-module-vms-model-0.40-1.noarch
432 lwl-munin-1.0.0-77567.noarch
433 lwl-natsd-0.25.2-1.x86_64
434 lwl-service-applianced-0.3.0-202210050715.x86_64
435 lwl-service-cidd-0.1.1-202206271215.x86_64
436 lwl-servicemix-base-6.1.4-16.noarch
437 lwl-snmp-1.2.3-78342.noarch
438 lwl-ssl-cert-1.0.0-79762.noarch
439 lwl-station-config-1.0.3-80081.noarch
440 lwl-station-config-systemd-1.0.3-80081.noarch
441 lwl-station-munin-1.0.0-67978.noarch
442 lz4-libs-1.8.3-3.el8_4.x86_64
443 lzo-2.08-14.el8.x86_64
444 mailcap-2.1.48-3.el8.noarch
445 mailx-12.5-29.el8.x86_64
446 mariadb-connector-c-3.1.11-2.el8_3.x86_64
447 mariadb-connector-c-config-3.1.11-2.el8_3.noarch
448 memtrack-0.2.4-2.el8.x86_64
449 microcode_ctl-20220809-1.0.1.el8.x86_64
450 mod_fcgid-2.3.9-17.el8.x86_64
451 mod_http2-1.15.7-5.module+el8.6.0+20548+01710940.x86_64
452 mod_security-2.9.2-9.el8.x86_64
453 mod_security_crs-3.3.0-2.el8.noarch
454 mod_ssl-2.4.37-51.0.1.module+el8.7.0+20778+02173b8e.x86_64
455 mozilla-60.9.0-4.0.1.el8.x86_64
456 mpfr-3.1.6-1.el8.x86_64
457 munin-2.0.69-5.el8.noarch
458 munin-apache-2.0.69-5.el8.noarch
459 munin-common-2.0.69-5.el8.noarch
460 munin-node-2.0.69-5.el8.noarch
461 ncurses-6.1-9.20180224.el8.x86_64
462 ncurses-base-6.1-9.20180224.el8.noarch
463 ncurses-libs-6.1-9.20180224.el8.x86_64
464 net-snmp-5.8-25.0.1.el8_7.1.x86_64
465 net-snmp-agent-libs-5.8-25.0.1.el8_7.1.x86_64
466 net-snmp-libs-5.8-25.0.1.el8_7.1.x86_64

467 net-snmp-utils-5.8-25.0.1.el8_7.1.x86_64
468 nettle-3.4.1-7.el8.x86_64
469 net-tools-2.0-0.52.20160912git.el8.x86_64
470 network-scripts-10.00.18-1.el8.x86_64
471 npth-1.5-4.el8.x86_64
472 nscd-2.28-211.0.1.el8.x86_64
473 nspr-4.34.0-3.el8_6.x86_64
474 nss-3.79.0-10.el8_6.x86_64
475 nss-softokn-3.79.0-10.el8_6.x86_64
476 nss-softokn-freebl-3.79.0-10.el8_6.x86_64
477 nss-sysinit-3.79.0-10.el8_6.x86_64
478 nss-tools-3.79.0-10.el8_6.x86_64
479 nss-util-3.79.0-10.el8_6.x86_64
480 numactl-libs-2.0.12-13.el8.x86_64
481 ocaml-srpm-macros-5-4.el8.noarch
482 oddjob-0.34.7-2.el8.x86_64
483 oddjob-mkhomedir-0.34.7-2.el8.x86_64
484 ongres-scram-1.0.0~beta.2-5.el8.noarch
485 ongres-scram-client-1.0.0~beta.2-5.el8.noarch
486 oniguruma-6.8.2-2.el8.x86_64
487 openblas-srpm-macros-2-2.el8.noarch
488 openldap-2.4.46-18.el8.x86_64
489 openscap-1.3.6-4.0.1.el8.x86_64
490 openscap-scanner-1.3.6-4.0.1.el8.x86_64
491 openscap-utils-1.3.6-4.0.1.el8.x86_64
492 openssh-8.0p1-16.el8.x86_64
493 openssh-clients-8.0p1-16.el8.x86_64
494 openssh-server-8.0p1-16.el8.x86_64
495 openssl-1.1.1k-7.el8_6.x86_64
496 openssl-libs-1.1.1k-7.el8_6.x86_64
497 openssl-perl-1.1.1k-7.el8_6.x86_64
498 openssl-pkcs11-0.4.10-2.el8.x86_64
499 open-vm-tools-12.0.5-2.0.1.el8.x86_64
500 oracle-epel-release-el8-1.0-5.el8.x86_64
501 oraclelinux-release-8.7-1.0.6.el8.x86_64
502 oraclelinux-release-el8-1.0-28.el8.x86_64

503 oracle-logos-httpd-84.5-1.0.1.el8.noarch
504 os-prober-1.74-9.0.1.el8.x86_64
505 p11-kit-0.23.22-1.el8.x86_64
506 p11-kit-trust-0.23.22-1.el8.x86_64
507 p7zip-9.20.1-2.el5.x86_64
508 pam-1.3.1-22.el8.x86_64
509 pango-1.42.4-8.el8.x86_64
510 parted-3.2-39.0.1.el8.x86_64
511 passwd-0.80-4.el8.x86_64
512 patch-2.7.6-11.el8.x86_64
513 pciutils-3.7.0-1.el8.x86_64
514 pciutils-libs-3.7.0-1.el8.x86_64
515 pcre2-10.32-3.el8_6.x86_64
516 pcre-8.42-6.el8.x86_64
517 perl-Authen-SASL-2.16-13.el8.noarch
518 perl-B-Hooks-EndOfScope-0.21-6.el8.noarch
519 perl-bignum-0.49-2.el8.noarch
520 perl-Cache-Cache-1.08-15.el8.noarch
521 perl-Carp-1.42-396.el8.noarch
522 perl-CGI-4.38-2.el8.noarch
523 perl-CGI-Fast-2.15-3.el8.noarch
524 perl-Class-Data-Inheritable-0.08-27.el8.noarch
525 perl-Class-Inspector-1.32-2.el8.noarch
526 perl-Class-Method-Modifiers-2.12-8.el8.noarch
527 perl-Class-Singleton-1.5-9.el8.noarch
528 perl-Compress-Raw-Bzip2-2.081-1.el8.x86_64
529 perl-Compress-Raw-Zlib-2.081-1.el8.x86_64
530 perl-constant-1.33-396.el8.noarch
531 perl-Convert-ASN1-0.27-17.el8.noarch
532 perl-Convert-UU-0.5201-27.el8.noarch
533 perl-Crypt-DES-2.07-19.1.el8.x86_64
534 perl-Data-Dump-1.23-7.module+el8.3.0+7692+542c56f9.noarch
535 perl-Data-Dumper-2.167-399.el8.x86_64
536 perl-Data-OptList-0.110-6.el8.noarch
537 perl-Date-ISO8601-0.005-2.el8.noarch
538 perl-Date-Manip-6.60-2.el8.noarch

539 perl-DateTime-1.50-1.el8.x86_64
540 perl-DateTime-Locale-1.17-2.el8.noarch
541 perl-DateTime-TimeZone-2.19-1.el8.noarch
542 perl-DateTime-TimeZone-SystemV-0.010-3.el8.noarch
543 perl-DateTime-TimeZone-Tzfile-0.011-3.el8.noarch
544 perl-DBD-Pg-3.7.4-4.module+el8.3.0+7675+2476f418.x86_64
545 perl-DBI-1.641-4.module+el8.6.0+20590+70c0920f.x86_64
546 perl-Devel-CallChecker-0.008-3.el8.x86_64
547 perl-Devel-Caller-2.06-15.el8.x86_64
548 perl-Devel-GlobalDestruction-0.14-5.el8.noarch
549 perl-Devel-LexAlias-0.05-16.el8.x86_64
550 perl-Devel-StackTrace-2.03-2.el8.noarch
551 perl-Digest-1.17-395.el8.noarch
552 perl-Digest-HMAC-1.03-17.module+el8.3.0+7692+542c56f9.noarch
553 perl-Digest-MD5-2.55-396.el8.x86_64
554 perl-Digest-SHA1-2.13-23.el8.x86_64
555 perl-Digest-SHA-6.02-1.el8.x86_64
556 perl-Dist-CheckConflicts-0.11-11.el8.noarch
557 perl-DynaLoader-Functions-0.003-2.el8.noarch
558 perl-Email-Date-Format-1.005-11.el8.noarch
559 perl-Encode-2.97-3.el8.x86_64
560 perl-Encode-Locale-1.05-10.module+el8.3.0+7692+542c56f9.noarch
561 perl-Errno-1.28-421.el8.x86_64
562 perl-Error-0.17025-2.el8.noarch
563 perl-Eval-Closure-0.14-5.el8.noarch
564 perl-Exception-Class-1.44-2.el8.noarch
565 perl-Expect-1.35-10.el8.noarch
566 perl-Exporter-5.72-396.el8.noarch
567 perl-Exporter-Tiny-1.000000-4.el8.noarch
568 perl-FCGI-0.78-11.module+el8.1.0+5423+06ba8c9c.x86_64
569 perl-File-Copy-Recursive-0.40-3.el8.noarch
570 perl-File-Listing-6.04-17.module+el8.3.0+7692+542c56f9.noarch
571 perl-File-Path-2.15-2.el8.noarch
572 perl-File-ShareDir-1.104-3.el8.noarch
573 perl-File-Temp-0.230.600-1.el8.noarch
574 perl-Getopt-Long-2.50-4.el8.noarch

575 perl-GSSAPI-0.28-25.el8.x86_64
576 perl-HTML-Parser-3.72-15.module+el8.3.0+7692+542c56f9.x86_64
577 perl-HTML-Tagset-3.20-34.module+el8.3.0+7692+542c56f9.noarch
578 perl-HTML-Template-2.97-10.el8.noarch
579 perl-HTTP-Cookies-6.04-2.module+el8.3.0+7692+542c56f9.noarch
580 perl-HTTP-Date-6.02-19.module+el8.3.0+7692+542c56f9.noarch
581 perl-HTTP-Message-6.18-1.module+el8.3.0+7692+542c56f9.noarch
582 perl-HTTP-Negotiate-6.01-19.module+el8.3.0+7692+542c56f9.noarch
583 perl-HTTP-Tiny-0.074-1.el8.noarch
584 perl-interpreter-5.26.3-421.el8.x86_64
585 perl-IO-1.38-421.el8.x86_64
586 perl-IO-Compress-2.081-1.el8.noarch
587 perl-IO-HTML-1.001-11.module+el8.3.0+7692+542c56f9.noarch
588 perl-IO-Multiplex-1.16-9.el8.noarch
589 perl-IO-Socket-INET6-2.72-12.el8.noarch
590 perl-IO-Socket-IP-0.39-5.el8.noarch
591 perl-IO-Socket-SSL-2.066-4.module+el8.6.0+20623+f0897f98.noarch
592 perl-IO-Tty-1.12-11.el8.x86_64
593 perl-IPC-ShareLite-0.17-30.el8.x86_64
594 perl-IPC-SysV-2.07-397.el8.x86_64
595 perl-JSON-2.97.001-2.el8.noarch
596 perl-LDAP-0.66-7.el8.noarch
597 perl-libnet-3.11-3.el8.noarch
598 perl-libs-5.26.3-421.el8.x86_64
599 perl-libwww-perl-6.34-1.module+el8.3.0+7692+542c56f9.noarch
600 perl-List-MoreUtils-0.428-2.el8.noarch
601 perl-List-MoreUtils-XS-0.428-3.el8.x86_64
602 perl-Log-Dispatch-2.68-1.el8.noarch
603 perl-Log-Dispatch-FileRotate-1.36-1.el8.noarch
604 perl-Log-Log4perl-1.50-1.el8.noarch
605 perl-LWP-MediaTypes-6.02-15.module+el8.3.0+7692+542c56f9.noarch
606 perl-macros-5.26.3-421.el8.x86_64
607 perl-Mail-Sender-0.903-7.el8.noarch
608 perl-Mail-Sendmail-0.80-4.el8.noarch
609 perl-MailTools-2.20-2.el8.noarch
610 perl-Math-BigInt-1.9998.11-7.el8.noarch

611 perl-Math-BigRat-0.2614-1.el8.noarch
612 perl-Math-Complex-1.59-421.el8.noarch
613 perl-MIME-Base64-3.15-396.el8.x86_64
614 perl-MIME-Lite-3.030-16.el8.noarch
615 perl-MIME-Types-2.17-3.el8.noarch
616 perl-Module-Implementation-0.09-15.el8.noarch
617 perl-Module-Runtime-0.016-2.el8.noarch
618 perl-Mozilla-CA-20160104-7.module+el8.3.0+7692+542c56f9.noarch
619 perl-MRO-Compat-0.13-4.el8.noarch
620 perl-namespace-autoclean-0.28-10.el8.noarch
621 perl-namespace-clean-0.27-7.el8.noarch
622 perl-NetAddr-IP-4.079-7.el8.x86_64
623 perl-Net-CIDR-0.20-1.el8.noarch
624 perl-Net-HTTP-6.17-2.module+el8.3.0+7692+542c56f9.noarch
625 perl-Net-Ping-2.55-421.el8.noarch
626 perl-Net-Server-2.009-3.el8.noarch
627 perl-Net-SMTP-SSL-1.04-5.el8.noarch
628 perl-Net-SNMP-6.0.1-25.el8.1.noarch
629 perl-Net-SSLeay-1.88-2.module+el8.6.0+20623+f0897f98.x86_64
630 perl-NTLM-1.09-17.module+el8.3.0+7692+542c56f9.noarch
631 perl-Package-Generator-1.106-11.el8.noarch
632 perl-Package-Stash-0.37-9.el8.noarch
633 perl-Package-Stash-XS-0.28-17.el8.x86_64
634 perl-PadWalker-2.3-2.el8.x86_64
635 perl-Params-Classify-0.015-2.el8.x86_64
636 perl-Params-Util-1.07-22.el8.x86_64
637 perl-Params-Validate-1.29-5.el8.x86_64
638 perl-Params-ValidationCompiler-0.27-1.el8.noarch
639 perl-parent-0.237-1.el8.noarch
640 perl-PathTools-3.74-1.el8.x86_64
641 perl-Pod-Escapes-1.07-395.el8.noarch
642 perl-podlators-4.11-1.el8.noarch
643 perl-Pod-Perldoc-3.28-396.el8.noarch
644 perl-Pod-Simple-3.35-395.el8.noarch
645 perl-Pod-Usage-1.69-395.el8.noarch
646 perl-Ref-Util-0.203-4.el8.noarch

647 perl-Ref-Util-XS-0.117-2.el8.x86_64
648 perl-Role-Tiny-2.000006-2.el8.noarch
649 perl-Scalar-List-Utils-1.49-2.el8.x86_64
650 perl-SelfLoader-1.23-421.el8.noarch
651 perl-Socket-2.027-3.el8.x86_64
652 perl-Socket6-0.28-6.el8.x86_64
653 perl-Specio-0.42-2.el8.noarch
654 perl-srpm-macros-1-25.el8.noarch
655 perl-Storable-3.11-3.el8.x86_64
656 perl-Sub-Exporter-0.987-15.el8.noarch
657 perl-Sub-Exporter-Progressive-0.001013-5.el8.noarch
658 perl-Sub-Identify-0.14-6.el8.x86_64
659 perl-Sub-Install-0.928-14.el8.noarch
660 perl-Sys-Syslog-0.35-397.el8.x86_64
661 perl-Taint-Runtime-0.03-32.el8.x86_64
662 perl-Term-ANSIColor-4.06-396.el8.noarch
663 perl-Term-Cap-1.17-395.el8.noarch
664 perl-Text-Balanced-2.03-395.el8.noarch
665 perl-Text-ParseWords-3.30-395.el8.noarch
666 perl-Text-Soundex-3.05-8.el8.x86_64
667 perl-Text-Tabs+Wrap-2013.0523-395.el8.noarch
668 perl-Text-Unidecode-1.30-5.el8.noarch
669 perl-threads-2.21-2.el8.x86_64
670 perl-threads-shared-1.58-2.el8.x86_64
671 perltidy-20180220-1.el8.noarch
672 perl-TimeDate-2.30-15.module+el8.3.0+7692+542c56f9.noarch
673 perl-Time-HiRes-1.9758-2.el8.x86_64
674 perl-Time-Local-1.280-1.el8.noarch
675 perl-Try-Tiny-0.30-7.module+el8.3.0+7692+542c56f9.noarch
676 perl-Unicode-Normalize-1.25-396.el8.x86_64
677 perl-URI-1.73-3.el8.noarch
678 perl-Variable-Magic-0.62-3.el8.x86_64
679 perl-version-0.99.24-1.el8.x86_64
680 perl-WWW-RobotRules-6.02-18.module+el8.3.0+7692+542c56f9.noarch
681 perl-XML-LibXML-2.0132-2.el8.x86_64
682 perl-XML-Namespacesupport-1.12-4.el8.noarch

683 perl-XML-Parser-2.44-11.0.1.el8.x86_64
 684 perl-XML-SAX-1.00-1.el8.noarch
 685 perl-XML-SAX-Base-1.09-4.el8.noarch
 686 perl-XML-Simple-2.25-1.el8.noarch
 687 pg_partman_12-4.7.2-1.rhel8.x86_64
 688 pigz-2.4-4.el8.x86_64
 689 pinentry-1.1.0-2.el8.x86_64
 690 pixman-0.38.4-2.el8.x86_64
 691 pkgconf-1.4.2-1.el8.x86_64
 692 pkgconf-m4-1.4.2-1.el8.noarch
 693 pkgconf-pkg-config-1.4.2-1.el8.x86_64
 694 platform-python-3.6.8-48.0.1.el8_7.x86_64
 695 platform-python-pip-9.0.3-22.el8.noarch
 696 platform-python-setuptools-39.2.0-6.el8.noarch
 697 policycoreutils-2.9-20.0.1.el8.x86_64
 698 policycoreutils-python-utils-2.9-20.0.1.el8.noarch
 699 polkit-0.115-13.0.1.el8_5.2.x86_64
 700 polkit-libs-0.115-13.0.1.el8_5.2.x86_64
 701 polkit-pkla-compat-0.1-12.el8.x86_64
 702 popt-1.18-1.el8.x86_64
 703 postgresql12-12.13-1PGDG.rhel8.x86_64
 704 postgresql12-libs-12.13-1PGDG.rhel8.x86_64
 705 postgresql12-server-12.13-1PGDG.rhel8.x86_64
 706 prefixdevname-0.1.0-6.el8.x86_64
 707 procps-ng-3.3.15-9.0.1.el8.x86_64
 708 protobuf-3.5.0-15.el8.x86_64
 709 psmisc-23.1-5.el8.x86_64
 710 publicsuffix-list-dafsa-20180723-1.el8.noarch
 711 pv-1.6.6-7.el8.x86_64
 712 python36-3.6.8-38.module+el8.5.0+20329+5c5719bc.x86_64
 713 python3-audit-3.0.7-4.el8.x86_64
 714 python3-configobj-5.0.6-11.el8.noarch
 715 python3-dateutil-2.6.1-6.el8.noarch
 716 python3-dbus-1.2.4-15.el8.x86_64
 717 python3-decorator-4.2.1-2.el8.noarch
 718 python3-dnf-4.7.0-11.0.1.el8.noarch

719 python3-dnf-plugins-core-4.0.21-14.1.0.1.el8.noarch
 720 python3-gobject-base-3.28.3-2.el8.x86_64
 721 python3-gpg-1.13.1-11.el8.x86_64
 722 python3-hawkey-0.63.0-11.1.0.1.el8.x86_64
 723 python3-libcomps-0.1.18-1.el8.x86_64
 724 python3-libdnf-0.63.0-11.1.0.1.el8.x86_64
 725 python3-libs-3.6.8-48.0.1.el8_7.x86_64
 726 python3-libseltlinux-2.9-6.el8.x86_64
 727 python3-libsemanage-2.9-9.el8_6.x86_64
 728 python3-linux-procfs-0.7.0-1.el8.noarch
 729 python3-perf-4.18.0-425.10.1.el8_7.x86_64
 730 python3-pip-9.0.3-22.el8.noarch
 731 python3-pip-wheel-9.0.3-22.el8.noarch
 732 python3-policycoreutils-2.9-20.0.1.el8.noarch
 733 python3-psycpg2-2.8.6-1.rhel8.x86_64
 734 python3-pyudev-0.21.0-7.el8.noarch
 735 python3-rpm-4.14.3-24.el8_7.x86_64
 736 python3-rpm-macros-3-43.el8.noarch
 737 python3-schedutils-0.6-6.el8.x86_64
 738 python3-setools-4.3.0-3.el8.x86_64
 739 python3-setuptools-39.2.0-6.el8.noarch
 740 python3-setuptools-wheel-39.2.0-6.el8.noarch
 741 python3-six-1.11.0-8.el8.noarch
 742 python3-syspurpose-1.28.13-3.el8_4.x86_64
 743 python3-unbound-1.16.2-2.el8.x86_64
 744 python-rpm-macros-3-43.el8.noarch
 745 python-srpm-macros-3-43.el8.noarch
 746 qt5-srpm-macros-5.15.3-1.el8.noarch
 747 rdma-core-41.0-1.el8.x86_64
 748 readline-7.0-10.el8.x86_64
 749 redhat-release-8.7-0.3.0.1.el8.x86_64
 750 redhat-rpm-config-130-1.0.1.el8.noarch
 751 remi-release-8.6-1.el8.remi.noarch
 752 rng-tools-6.15-1.el8.x86_64
 753 rootfiles-8.1-22.el8.noarch
 754 rpm-4.14.3-24.el8_7.x86_64

755 rpm-build-4.14.3-24.el8_7.x86_64
756 rpm-build-libs-4.14.3-24.el8_7.x86_64
757 rpmdevtools-8.10-8.0.1.el8.noarch
758 rpm-libs-4.14.3-24.el8_7.x86_64
759 rpm-plugin-fapolicyd-4.14.3-24.el8_7.x86_64
760 rpm-plugin-selinux-4.14.3-24.el8_7.x86_64
761 rpm-plugin-systemd-inhibit-4.14.3-24.el8_7.x86_64
762 rrdtool-1.7.0-16.el8.x86_64
763 rrdtool-perl-1.7.0-16.el8.x86_64
764 rsyslog-8.2102.0-10.el8.x86_64
765 rsyslog-gnutls-8.2102.0-10.el8.x86_64
766 rust-srpm-macros-5-2.el8.noarch
767 scap-security-guide-0.1.63-4.0.2.el8.noarch
768 sed-4.5-5.el8.x86_64
769 selinux-policy-3.14.3-108.0.2.el8.noarch
770 selinux-policy-targeted-3.14.3-108.0.2.el8.noarch
771 setup-2.12.2-7.el8.noarch
772 sg3_utils-1.44-6.el8.x86_64
773 sg3_utils-libs-1.44-6.el8.x86_64
774 shadow-utils-4.6-17.el8.x86_64
775 shared-mime-info-1.9-3.el8.x86_64
776 sharutils-4.15.2-11.el8.x86_64
777 snappy-1.1.8-3.el8.x86_64
778 sqlite-libs-3.26.0-17.el8_7.x86_64
779 squashfs-tools-4.3-20.el8.x86_64
780 sscg-3.0.0-5.el8.x86_64
781 sssd-client-2.7.3-4.0.1.el8_7.3.x86_64
782 sssd-common-2.7.3-4.0.1.el8_7.3.x86_64
783 sssd-kcm-2.7.3-4.0.1.el8_7.3.x86_64
784 sssd-nfs-idmap-2.7.3-4.0.1.el8_7.3.x86_64
785 sudo-1.8.29-8.el8.x86_64
786 sysstat-11.7.3-7.0.1.el8_7.1.x86_64
787 systemd-239-68.0.2.el8_7.2.x86_64
788 systemd-libs-239-68.0.2.el8_7.2.x86_64
789 systemd-pam-239-68.0.2.el8_7.2.x86_64
790 systemd-udev-239-68.0.2.el8_7.2.x86_64

791 tar-1.30-6.el8.x86_64
792 tcl-8.6.8-2.el8.x86_64
793 timedatex-0.5-3.el8.x86_64
794 tmpwatch-2.11-14.el8.x86_64
795 tmux-2.7-1.el8.x86_64
796 tnt-10Zig-drivers-6.6.2-1.noarch
797 tnt-base-4.0.1-62018.noarch
798 tnt-brandit-1.3.0-79046.x86_64
799 tnt-centos5-drivers-6.6.0-3.noarch
800 tnt-centos6-drivers-6.6.2-1.noarch
801 tnt-common-java-3.0.32-1.noarch
802 tnt-common-java-deps-3.0.32-1.noarch
803 tnt-decode-1.0.0-77570.x86_64
804 tnt-identity-common-backend-2.0.5-80397.noarch
805 tnt-identity-common-backend-deps-2.0.2-80145.noarch
806 tnt-identity-common-backend-priv-2.0.2-80397.noarch
807 tnt-identity-common-java-3.3.6-80486.noarch
808 tnt-identity-common-java-deps-3.3.1-80486.noarch
809 tnt-identity-igateway-backend-1.5.1-78985.noarch
810 tnt-igateway-health-1.2.0-80063.noarch
811 tnt-igel-drivers-6.6.2-1.noarch
812 tnt-iptables-2.8.1-76234.x86_64
813 tnt-kernel-modules-1.15.0-80517_4.18.0_425.10.1.el8_7.x86_64
814 tnt-LeTOS-drivers-6.6.2-1.noarch
815 tnt-libperlntnt-1.5.0-65269.noarch
816 tnt-netaudit-1.8.0-77570.x86_64
817 tnt-nps32-drivers-6.6.2-1.noarch
818 tnt-osx-drivers-6.6.2-1.noarch
819 tnt-policy-2.7.1-79437.noarch
820 tnt-policy-common-2.7.1-78985.noarch
821 tnt-release-6.6.2-1_202301201035.noarch
822 tnt-rhel4-drivers-6.6.0-3.noarch
823 tnt-setup-1.8.2-80340.noarch
824 tnt-setup-gateway-1.5.3-80061.noarch
825 tnt-setup-vmware-1.8.2-80340.noarch
826 tnt-stratodesk-drivers-6.6.2-1.noarch

827 tnt-ThinOS-drivers-6.6.2-1.noarch
828 tnt-tools-1.5.5-78342.x86_64
829 tnt-ubuntu10-drivers-6.6.2-1.noarch
830 tnt-windows-pdb-6.6.2-1.noarch
831 tnt-ZeeOS-drivers-6.6.2-1.noarch
832 tpm2-tss-2.3.2-4.el8.x86_64
833 trousers-0.3.15-1.el8.x86_64
834 trousers-lib-0.3.15-1.el8.x86_64
835 ttmkfsdir-3.0.9-54.el8.x86_64
836 tuned-2.19.0-1.0.1.el8.noarch
837 tzdata-2022g-1.el8.noarch
838 tzdata-java-2022g-1.el8.noarch
839 unbound-libs-1.16.2-2.el8.x86_64
840 unzip-6.0-46.0.1.el8.x86_64
841 usbguard-1.0.0-8.el8_7.2.x86_64
842 usbguard-selinux-1.0.0-8.el8_7.2.noarch
843 usermode-1.113-2.el8.x86_64
844 util-linux-2.32.1-39.el8_7.x86_64
845 util-linux-user-2.32.1-39.el8_7.x86_64
846 vim-minimal-8.0.1763-19.0.1.el8_6.4.x86_64
847 virt-what-1.25-1.el8.x86_64
848 vs-helper-6.6.2-1.x86_64
849 vs-pushuser-6.6.2-1.x86_64
850 wget-1.19.5-10.0.1.el8.x86_64
851 which-2.21-18.el8.x86_64
852 xdelta-3.1.0-4.el8.x86_64
853 xfsprogs-5.4.0-1.0.4.el8.x86_64
854 xkeyboard-config-2.28-1.el8.noarch
855 xml-common-0.6.3-50.el8.noarch
856 xmlsec1-1.2.25-4.el8.x86_64
857 xmlsec1-openssl-1.2.25-4.el8.x86_64
858 xorg-x11-fonts-Type1-7.5-19.el8.noarch
859 xorg-x11-font-utils-7.5-41.el8.x86_64
860 xz-5.2.4-4.el8_6.x86_64
861 xz-libs-5.2.4-4.el8_6.x86_64
862 yajl-2.1.0-11.el8.x86_64

863 yum-4.7.0-11.0.1.el8.noarch
864 yum-utils-4.0.21-14.1.0.1.el8.noarch
865 zip-3.0-23.el8.x86_64
866 zlib-1.2.11-21.el8_7.x86_64
867 zstd-1.4.4-1.0.1.el8.x86_64