



Stratusphere™ FIT/UX

Security Addendum

Introduction

This guide has been authored by experts at Liquidware to provide information and guidance configuring Stratusphere Hub and Database virtual appliances to meet security requirements.

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 200
Alpharetta, Georgia 30022
U.S.A.
Phone: 678-397-0450
www.liquidware.com

©2022 Liquidware Labs Inc. All rights reserved. Stratusphere, ProfileUnity, FlexApp, FlexDisk and ProfileDisk are trademarks of Liquidware Labs. All other products are trademarks of their respective owners. 22-0901.6.5.1-2

Contents

PURPOSE	4
SECURITY UPDATES.....	4
ASSUMPTIONS	4
SECURING STRATUSPHERE.....	4
HUB ADVANCED CONFIGURATION.....	4
<i>Configure NTP Server</i>	4
<i>Session Timeout and Password Lockout.....</i>	4
<i>Instructions for Installing SSL Certificate on Stratusphere Hub Appliance</i>	5
<i>Forward Syslog to External Host (Optional)</i>	6
<i>Enable Two Factor Authentication (Optional).....</i>	7
<i>Setup Static IPv6 Address (Optional).....</i>	8
DATABASE ADVANCED CONFIGURATION.....	9
<i>Instructions for Installing SSL Certificate on Stratusphere Database Appliance</i>	9
COLLECTOR ADVANCED CONFIGURATION.....	12
<i>Instructions for Installing SSL Certificate on Stratusphere Collector Appliance</i>	12
ENABLE ENHANCED SECURITY CONFIGURATION	14
ENABLE CAC AUTHENTICATION.....	17
CAC CERTIFICATE REVOCATION LIST CONFIGURATION	17
<i>Configuring a Hub to use an online service (recommended).....</i>	18
<i>Configuring a Hub to download a CRL locally</i>	19
ENABLING PRIVACY – ANONYMIZING USER AND MACHINE NAMES.....	20
SSL / TLS SETTINGS	22
INSTALL CONNECTOR ID KEYS (DESKTOP AGENTS)	23
CID KEY ENCRYPTION.....	23
WEBSERVER ACCOUNTS AND USAGE	24
<i>Accounts with Login Privileges</i>	24

<i>Accounts without Login Privileges (internal system accounts)</i>	24
STRATUSPHERE HUB APPLIANCE INSTALLED PACKAGES.....	25
STRATUSPHERE DATABASE APPLIANCE INSTALLED PACKAGES.....	47
STRATUSPHERE COLLECTOR APPLIANCE INSTALLED PACKAGES	64

Purpose

This document has been created to aid System Administrators in configuring settings as may 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 CentOS 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 CentOS 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, please contact our Support and we will investigate and advise the best course of action.

Assumptions

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

Securing Stratusphere

Do the following to complete installation of Stratusphere. The configuration steps marked OPTIONAL may be necessary to comply with your security policy. Use them accordingly.

Hub Advanced Configuration

Configure NTP Server

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

Session Timeout and Password Lockout

1. Expand the '**Other Settings**' section.
2. Adjust login session timeout that conforms to your organization's security requirements.
3. Enable password lockout checkbox, to enable locking out the user if a wrong password is entered consecutively.
4. **API Client IPs:** Enter 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. Keep this field empty or lock it down to a very small list of addresses for highest security.

5. **Whitelist:** 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, by selecting them individually and on the User Details page, enabling the API Access checkbox.
6. **Blacklist:** If API Access from certain IP Networks needs to be restricted, then 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 but tries to access it from a client IP Address that is part of the blacklist, would still be denied access due to their IP Address being in part of the blacklist.
7. Save changes.

Instructions for Installing SSL Certificate on Stratusphere Hub Appliance

Start with these initial few steps to prepare the certificate request:

1. On the Stratusphere Hub appliance local console, log in using User ID: 'friend' and Password: 'sspassword' first.
2. Switch to 'root' user using the following command and enter the password when prompted (default: 'sspassword'):

```
≥ su -
```

3. Change to the following folder using the command:

```
≥ cd /home/friend
```

4. Please 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
```

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

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

6. You will find the certificate request generated in the following location:
`/home/friend/hubcertrequest.csr`

7. 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 User ID: 'friend' and Password: 'sspassword' as credentials within the program. Use the SCP protocol with WinSCP (Port 22).

- 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, we will call it 'hubsslcert.crt' – this is the actual SSL Certificate you will receive back from your security provider or Certifying Authority.

*Pause here until you receive your SSL certificate from your provider.
After receiving your SSL Certificate from your provider, complete the process with the remaining instructions:*

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

- 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
```

- 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
```

- 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)

- Edit /etc/rsyslog.conf to contain a line sending all audit records to a remote audit server.
- The server is specified 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_crt.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_crt.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.
- iv. 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
#SSLOCSPEnable on
#SSLOCSPDefaultResponder http://ocspserver:ocspport
#SSLOCSPOverrideResponder 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
```

Setup 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, use the Network Configuration option in the LWL console to change this to use a static IPv6 address.

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. Set up 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'.
4. Join the Database to Hub
 - a. Log into the command line console using ssconsole credentials.
 - b. Go to D) Database VM Utilities.
 - c. Select J) Join this database to a hub.
 - d. Copy database from the hub and reboot hub when prompted.
5. (Optional) Encrypt 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 into the command line console using ssconsole credentials.
 - e. Enter D for D) Database VM Utilities.
 - f. Enter E for E) Setup Encrypted Database.
 - i. 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. Verification
 - a. Verify you can log in the web interface for the hub.
7. Navigate to the HUB ADMINISTRATION > DATA RETENTION tab and validate the database IP is correct.
8. Delete any snapshots that were created on the database during set up.

Instructions for Installing SSL Certificate on Stratusphere Database Appliance

Start with these initial few steps to prepare the certificate request:

1. On the Stratusphere Database appliance local console, log in using User ID: 'friend' and Password: 'sspassword' first.
2. Switch to 'root' user using the following command and enter the password when prompted (default: 'sspassword'):
≥ su -
3. Change to the following folder using the command:
≥ cd /home/friend
4. Please 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 Hub using the existing SSL Key.

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

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

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

6. You will find the certificate request generated in the following location:
`/home/friend/dbcertrequest.csr`
7. Change ownership of the file so that it accessible using the 'friend' user.

```
≥ chown friend:friend /home/friend/dbcertrequest.csr
```
8. 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 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. For these instructions, we will call the actual certificate file received from your Certifying Authority `server.crt`.

*Pause here until you receive your SSL certificate from your provider.
After receiving your SSL Certificate from your provider, complete the process with the remaining instructions:*

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

12. 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
```

13. 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 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 into 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.

Instructions for Installing SSL Certificate on Stratusphere Collector Appliance

Start with these initial few steps to prepare the certificate request:

1. On the Stratusphere Collector appliance local console, log in using User ID: 'friend' and Password: 'sspassword' first.
2. Switch to 'root' user using the following command and enter the password when prompted (default: 'sspassword'):

```
≥ su -
```

3. Change to the following folder using the command:

```
≥ cd /home/friend
```

4. Please 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
```

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

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

6. You will find the certificate request 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 to download this certificate request '/home/friend/colcertrequest.csr' file to your local desktop. In WinSCP or FileZilla, use 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. For these instructions, we will call it 'colsslcert.crt' – this is the actual SSL Certificate you will receive back from your security provider or Certifying Authority.

***Pause here until you receive your SSL certificate from your provider.
After receiving your SSL Certificate from your provider, complete the
process with the remaining instructions:***

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

11. 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
```

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/colsslcert.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 Collector 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
```

Enable Enhanced Security Configuration

Once the Stratusphere Hub and Database appliances are joined together and are communicating with each other, we 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 the user needs to be prepared to update these user passwords with new, complex password as per STIG guidelines. The STIG password definitions are stored within `/etc/login.defs`. Here are the default settings for the following items in that file:

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`. Here are the default settings for the following items in that file:

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 characterd 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 consecutury 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 =
```

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 automatically go into effect when Enhance Security is enabled on the Stratusphere Appliances:

- Password complexity & expiration rules are enabled.
- Turns on issue notification in the user interface before logging.
- Turns off IPV6.
- Displays “For Official Use Only” messaging in the footer of the user interface.
- Turns on Security-Enhanced Linux (SELinux) Auditing which saves logfiles to /var/log/audit.
- Restricts access to port 5432. For the Hub appliance, only the localhost may login. For the Database appliance, only the Hub may login.

All Collector appliances should be added to the installation AFTER Enhanced Security is enabled on the Hub and Database.

1. On the Stratusphere Hub appliance:
 - a. Open a command line console to the appliance.
 - b. Log into the console using credentials provided for the ssconsole user (default password is sspassword).
 - c. In the main menu, select option E) Enable enhanced security option and hit 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
```

- d. The appliance will now enable many STIGs and is now in enhanced security configuration.
- e. The appliance should reboot automatically after it finishes applying all the STIGs.

2. On the Stratusphere Database appliance:

- a. Open a command line console to the appliance.
- b. Log into the console using credentials provided for the ssconsole user (default password is sspassword).
- c. In the main menu, select option E) Enable enhanced security option and hit 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
```

- d. The appliance will now enable many STIGs and is now in enhanced security configuration.
 - e. The appliance should reboot automatically after it finishes applying all the STIGs.
3. On the Stratusphere Collector appliance:
 - a. Open a command line console to the appliance.
 - b. Log into the console using credentials provided for the ssconsole user (default password is sspassword).
 - c. In the main menu, select option E) Enable enhanced security option and hit 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
```
- d. The appliance will now enable many STIGs and is now in enhanced security configuration.
  - e. The appliance should reboot automatically after it finishes applying all the STIGs.
- Stratusphere™ FIT & UX: Security Addendum
- Page 16

## Enable CAC Authentication

Once **ENHANCED SECURITY** is enabled on the Stratusphere Hub and Database appliances, we 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.

1. Prior to enabling CAC Authentication, please ensure that the Stratusphere Hub is configured to sync with your test or production Active Directory which would have users with their security information available. Also, please make sure the role of the user is an Administrator if they need to access the Administration section of the Stratusphere Web UI.
2. **Please make sure you have enabled Enhanced Security on the Hub appliance prior to proceeding.**
3. Log out of all Stratusphere Web UI sessions.
4. **Liquidware recommends taking a snapshot of the Hub appliance for safety.**
5. On the Stratusphere Hub appliance:
  - a. Open a command line console to the appliance.
  - b. Use User ID: 'friend' and enter your enhanced security STIG compliant password to log in.
  - c. Use the command 'su -' and 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 --allowerasing --disablerepo=lwl
/opt/lwl/rpms/lwl-stig-base-dod-cac-* .rpm

> reboot
```
6. Once Stratusphere Hub appliance reboots, please wait for about **10-15 minutes** for all the services on the Stratusphere Hub to start especially, the Web UI.
7. You will now need a valid CAC to authenticate with the Web UI through a browser.
8. 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 – it will either list an ID or an EMAIL certificate. Depending on the type of client certificate selected, here is what is expected:
  - a. If the user selects 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-login the user.
  - b. If the user selects an EMAIL type certificate, and that certificate is associated with a userPrincipalName attribute within a synced Active Directory, and that user has been granted a User or Administrative role within Stratusphere, they will be transparently logged into the Stratusphere Web UI.
9. A user should not be able to access the Stratusphere Web UI Login page without a supported client certificate. The browser should display a Bad SSL Client Authentication Certificate error.

## CAC Certificate Revocation List Configuration

Once **ENHANCED SECURITY** is enabled, and **CAC AUTHENTICATION** is enabled on the Stratusphere Hub, the user can update and customize how and where the Hub verifies whether the certificate is on the Certificate Revocation List (CRL). The Hub supports two mechanisms of checking validity of a certificate against a CRL:

- a. Online Service: In this **recommended** mechanism, the Hub is configured to use a remote service to check the certificate against a hosted CRL.
- b. 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 lookup the validity of a certificate. Here are instructions on how to configure the service:

1. On the Stratusphere Hub appliance:
  - a. Open a command line console to the appliance.
  - b. Use User ID: 'friend' and enter your enhanced security STIG compliant password to log in.
  - c. Use the command 'su -' and enter your enhanced security STIG compliant password to switch to root.
2. Use the vi command to edit the /etc/lwl/httpd/conf.d/clientcerts.conf file.

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

3. Here is what the file looks like. The end user will just need to uncomment the relevant lines by deleting the '#' before each line to enable network OCSP service.

```
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
#SSLOCSPEnable on
#SSLOCSPDefaultResponder http://ocspserver:ocspport
#SSLOCSPOverrideResponder on
```

4. Use the '/' key to type and search for **SSLOCSP** string.
5. When found, use 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.
6. Go into insert or append mode by entering either '**i**' or '**a**' key.
7. Update the **SSLOCSPDefaultResponder** URL to your preferred or custom URL as needed.
8. Use the **ESCAPE** key and enter '**:wq!**' to write and quit.
9. 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
```

10. Enter **CTRL+D** twice to log out of the console.
11. When a security card is presented, the Web Browser UI will forward the certificate to the Stratusphere Hub for authentication and verification, 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 may not always be reliable and thus provides instructions on replacing this URL with an internal URL that may 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.**

Here are instructions on how to update the URL to download the CRL:

1. On the Stratusphere Hub appliance:
  - a. Open a command line console to the appliance.
  - b. Use User ID: 'friend' and enter your enhanced security STIG compliant password to log in.
  - c. Use the command 'su -' and enter your enhanced security STIG compliant password to switch to root.
2. Use the **vi** command to edit the **/etc/tntdb.conf** file.  

```
≥ vi /etc/tntdb.conf
```
3. Use the '/' key to type and search for **CRL\_UPDATE\_URLS**.
4. When found, go into insert or append mode by entering either 'i' or 'a' key.
5. Update the URL to your preferred, custom URL as needed.
6. Use the **ESCAPE** key and enter '**:wq!**' to write and quit.
7. Enter **CTRL+D** twice to log out of the console.
8. When the scheduled event triggers, the Hub will read this updated URL and download the CRL from this new location.

Here are instructions on how to update the schedule or frequency of downloading the CRL:

1. The schedule is stored in **/etc/crontab** on the Stratusphere Hub.
2. Only make changes to this cron job if you are aware of how cron works.
3. On the Stratusphere Hub appliance:
  - a. Open a command line console to the appliance.
  - b. Use User ID: 'friend' and enter your enhanced security STIG compliant password to log in.
  - c. Use the command 'su -' and 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. Use the '/' key to type and search for **update\_crls.sh**
6. When found, go into insert or append mode by entering either 'i' or 'a' key.
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. Use the **ESCAPE** key and enter '**:wq!**' to write and quit.
9. Enter **CTRL+D** twice to log out of the console.
10. The Hub will then start triggering the download of the CRL based on this new frequency.

## Enabling 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. It must be noted that once 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. The conversion is permanent and cannot be undone. User names and machines that existed prior to turning on privacy mode will still be stored in plain text.** Privacy mode can be disabled. However, the user and machine names already anonymized stay anonymized permanently. Any user name and machine name registration received after disabling privacy mode will be stored in plain text and will not be hashed.

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.

Using the privacy mode may make Stratusphere reporting harder to read and follow since instead of user names and machines names, the end user will only see randomized pieces of text representing users and machines.

*Once Privacy mode is enabled the user and machine names already anonymized stay anonymized permanently even if Privacy mode is disabled at a later date.*

Here are the instructions to enable Privacy mode:

1. Using an SSH client like PuTTY, log into the Stratusphere Hub console using credentials for the **friend** user. 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’.
2. Execute the following command to invoke a limited shell prompt:  
    ≥ /opt/tnt/bin/mgrconfig
3. 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
4. To save and quit enter the following commands:  
    ≥ write  
    ≥ quit
5. Enter **CTRL+D** twice to log out of root and friend SSH sessions and quit the SSH PuTTY client.

Please provide some time for Stratusphere to begin its anonymizing process. Once completed, please log into the Administration section of the Stratusphere Web UI and navigate to **Inventory > Machines** and **Inventory > Users** tabs to verify if the names have been anonymized.

Here are the instructions to disable Privacy mode:

1. Using an SSH client like PuTTY, log into the Stratusphere Hub console using credentials for the **friend** user. 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'.
2. Execute the following command to invoke a limited shell prompt:  
    ≥ /opt/tnt/bin/mgrconfig
3. On the new shell prompt, execute the following commands to anonymize user and/or machine names within the Stratusphere Database:  
    ≥ set system user privacy off  
    ≥ set system machine privacy off
4. To save and quit enter the following commands:  
    ≥ write  
    ≥ quit
5. Enter **CTRL+D** twice to log out of root and friend SSH sessions and quit the SSH PuTTY client.

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

## SSL / TLS Settings

The 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 thus 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 none of the legacy browsers are in use and have all been phased out, these configuration settings can and should be hardened for a more secure posture. The configuration settings must be manually updated on the Hub and each Collector(s) appliance installed.

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

1. On the Stratusphere Hub and each Collector(s) appliance:
  - a. Open a command line console to the appliance.
  - b. Use User ID: ‘friend’ and enter your enhanced security STIG compliant password to log in.
  - c. Use the command ‘su -’ and enter your enhanced security STIG compliant password to switch to root.
2. Use the vi command to edit the /etc/lwl/httpd/httpd.conf file.  
≥ vi /etc/lwl/httpd/httpd.conf
3. Use the ‘/’ key to type and search for “**SSLProtocol**” – this is case sensitive.
4. When found, go into insert or append mode by entering either ‘i’ or ‘a’ key.
5. Update the default line
  - a. From “**SSLProtocol All -SSLv2 -SSLv3**”
  - b. To “**SSLProtocol TLSv1.2**”
  - c. This would 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. Enter **CTRL+D** twice to log out of the console.

## Install Connector ID Keys (desktop agents)

1. Download CID installer from the hub's web interface and install it on desktops / base image for VDI.
2. Check the ADMINISTRATION > INVENTORY MACHINES and make sure 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 URI located within `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)

These are setup to be no login accounts and required for services.

| account   | Required | Notes             |
|-----------|----------|-------------------|
| adm       | yes      |                   |
| apache    | yes      |                   |
| audit     | yes      |                   |
| bin       | yes      |                   |
| clam      | yes      |                   |
| cntlm     | 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 |
|-----------|-----|

## Stratosphere Hub Appliance Installed Packages

```
1 lwl-module-java-mail-1.6.2-2.noarch
2 perl-Sub-Install-0.928-14.el8.noarch
3 libxslt-1.1.32-5.el8.x86_64
4 fipscheck-1.5.0-4.el8.x86_64
5 lwl-module-apache-common-codec-1.15-1.noarch
6 lz4-libs-1.8.3-2.el8.x86_64
7 parted-3.2-38.el8.x86_64
8 lwl-module-vms-model-0.34-1.noarch
9 liberation-serif-fonts-2.00.3-7.el8.noarch
10 lwl-common-identity-osgi-modules-1.0.1-1.noarch
11 perl-DynaLoader-Functions-0.003-2.el8.noarch
12 libpcap-1.9.1-4.el8.x86_64
13 lwl-module-node-model-0.21-1.noarch
14 xkeyboard-config-2.28-1.el8.noarch
15 lwl-module-license-model-0.12-1.noarch
16 perl-IO-Multiplex-1.16-9.el8.noarch
17 epel-release-8-10.el8.noarch
18 tnt-db-upgrade-1.5.0-77480.noarch
19 lwl-module-common-dao-impl-jdbc-0.83-1.noarch
20 perl-List-MoreUtils-XS-0.428-3.el8.x86_64
21 libss-1.45.6-1.el8.x86_64
22 gdk-pixbuf2-modules-2.36.12-5.el8.x86_64
23 lwl-service-cidd-0.1.0-1.x86_64
24 lwl-base-appliance-8.0-master.9960ee9.noarch
25 lwl-module-password-util-0.14-1.noarch
26 perl-NetAddr-IP-4.079-7.el8.x86_64
27 cyrus-sasl-lib-2.1.27-5.el8.x86_64
28 tnt-nps32-drivers-6.5.1-2.noarch
29 go-srpm-macros-2-16.el8.noarch
30 perl-Pod-Escapes-1.07-395.el8.noarch
31 platform-python-3.6.8-31.el8.x86_64
32 lwl-birt-runtime-4.4.2-76957.noarch
33 lwl-module-password-dao-impl-jdbc-0.5-1.noarch
34 perl-Variable-Magic-0.62-3.el8.x86_64
35 crypto-policies-scripts-20210209-1.gitfb6bed.el8_3.noarch
36 tnt-policy-2.7.1-77494.noarch
37 lwl-module-database-partition-postgresql-0.22-1.noarch
38 p7zip-9.20.1-2.el5.x86_64
39 gnutls-3.6.14-8.el8_3.x86_64
```

```
40 lwl-module-node-dao-impl-jdbc-0.67-1.noarch
41 lwl-module-license-decoder-cert-0.4-1.noarch
42 libpng15-1.5.30-7.el8.x86_64
43 libfdisk-2.32.1-24.el8.x86_64
44 tnt-setup-vmware-1.8.2-77499.noarch
45 perl-Scalar-List-Utils-1.49-2.el8.x86_64
46 ipa-mincho-fonts-003.03-5.el7.noarch
47 elfutils-libs-0.180-1.el8.x86_64
48 python3-libsemanage-2.9-3.el8.x86_64
49 nhn-nanum-gothic-fonts-3.020-9.el7.noarch
50 systemd-udev-239-41.el8_3.2.x86_64
51 grub2-tools-efi-2.02-90.el8_3.1.x86_64
52 lua-libs-5.3.4-11.el8.x86_64
53 giflib-5.1.4-3.el8.x86_64
54 libolv-0.7.11-1.el8.x86_64
55 python3-dmidecode-3.12.2-15.el8.x86_64
56 iprutils-2.4.19-1.el8.x86_64
57 libjpeg-turbo-1.5.3-10.el8.x86_64
58 lwl-module-stratusphere-api-inventory-user-0.15-1.noarch
59 postgresql12-libs-12.6-1PGDG.rhel8.x86_64
60 libpng-1.6.34-5.el8.x86_64
61 lwl-module-stratusphere-api-software-cid-0.28-1.noarch
62 libXtst-1.2.3-7.el8.x86_64
63 openssh-8.0p1-5.el8.x86_64
64 gpg-pubkey-00f97f56-467e318a
65 p11-kit-0.23.14-5.el8_0.x86_64
66 libfastjson-0.99.8-2.el8.x86_64
67 libsss_certmap-2.3.0-9.el8.x86_64
68 guile-2.0.14-7.el8.x86_64
69 mod_security-2.9.2-8.el8.x86_64
70 perl-IO-Socket-SSL-2.066-4.module_el8.3.0+410+ff426aa3.noarch
71 apache-commons-cli-1.4-4.module_el8.0.0+39+6a9b6e22.noarch
72 gawk-4.2.1-1.el8.x86_64
73 rsyslog-gnutls-8.1911.0-6.el8.x86_64
74 perl-GSSAPI-0.28-23.el8.x86_64
75 lwl-module-apache-common-beanutils-1.9.4-3.noarch
76 lwl-birt-extras-1.0.0-66191.noarch
77 oddjob-mkhomedir-0.34.5-3.el8.x86_64
78 perl-Pod-Usage-1.69-395.el8.noarch
79 tmpwatch-2.11-14.el8.x86_64
80 rpm-plugin-systemd-inhibit-4.14.3-4.el8.x86_64
81 dhcp-libs-4.3.6-41.el8.x86_64
82 perl-MailTools-2.20-2.el8.noarch
```

```
83 libicu-60.3-2.el8_1.x86_64
84 python3-hawkey-0.48.0-5.el8.x86_64
85 perl-Specio-0.42-2.el8.noarch
86 libdhash-0.5.0-39.el8.x86_64
87 yum-4.2.23-4.el8.noarch
88 perl-CGI-4.38-2.el8.noarch
89 libtasn1-4.13-3.el8.x86_64
90 libutempter-1.1.6-14.el8.x86_64
91 python2-libs-2.7.17-2.module_el8.3.0+478+7570e00c.x86_64
92 python3-setuptools-wheel-39.2.0-6.el8.noarch
93 os-prober-1.74-6.el8.x86_64
94 nss-sysinit-3.53.1-17.el8_3.x86_64
95 ipset-libs-7.1-1.el8.x86_64
96 python3-rpm-macros-3-39.el8.noarch
97 bind-export-libs-9.11.20-5.el8_3.1.x86_64
98 libcap-ng-utils-0.7.9-5.el8.x86_64
99 perl-File-Listing-6.04-17.module_el8.3.0+416+dee7bcef.noarch
100 python3-attrs-17.4.0-6.el8.noarch
101 bzip2-1.0.6-26.el8.x86_64
102 perl-Data-Dump-1.23-7.module_el8.3.0+416+dee7bcef.noarch
103 python3-setuptools-39.2.0-6.el8.noarch
104 perl-Errno-1.28-416.el8.x86_64
105 kbd-legacy-2.0.4-10.el8.noarch
106 kernel-core-4.18.0-193.19.1.el8_2.x86_64
107 audispd-plugins-3.0-0.17.20191104git1c2f876.el8.x86_64
108 perl-threads-2.21-2.el8.x86_64
109 filesystem-3.8-3.el8.x86_64
110 libqb-1.0.3-12.el8.x86_64
111 cairo-1.15.12-3.el8.x86_64
112 chkconfig-1.13-2.el8.x86_64
113 lmdb-libs-0.9.24-1.el8.x86_64
114 lwl-station-munin-1.0.0-67978.noarch
115 perl-Socket6-0.28-6.el8.x86_64
116 libgcrypt-1.8.5-4.el8.x86_64
117 python3-psycopg2-2.8.6-1.rhel8.x86_64
118 munin-node-2.0.66-1.el8.noarch
119 GConf2-3.2.6-22.el8.x86_64
120 nhn-nanum-fonts-common-3.020-9.el7.noarch
121 lwl-console-2.0.0-77311.noarch
122 libXext-1.3.4-1.el8.x86_64
123 perl-HTML-Template-2.97-10.el8.noarch
124 ima-evm-utils-1.1-5.el8.x86_64
125 mailcap-2.1.48-3.el8.noarch
```

126 tnt-identity-common-backend-2.0.5-77465.noarch  
127 apr-1.6.3-11.el8.x86\_64  
128 perl-Compress-Raw-Bzip2-2.081-1.el8.x86\_64  
129 lohit-devanagari-fonts-2.95.4-3.el8.noarch  
130 lwl-module-vms-connector-0.43-1.noarch  
131 lwl-module-globalopts-model-0.20-1.noarch  
132 libpsl-0.20.2-6.el8.x86\_64  
133 perl-Error-0.17025-2.el8.noarch  
134 pg\_jobmon12-1.3.3-2.rhel8.1.noarch  
135 rust-srpm-macros-5-2.el8.noarch  
136 lwl-module-user-model-0.15-1.noarch  
137 lwl-module-apache-common-math-3.6.1-2.noarch  
138 nss-softokn-freebl-3.53.1-17.el8\_3.x86\_64  
139 perl-Cache-Cache-1.08-15.el8.noarch  
140 perl-srpm-macros-1-25.el8.noarch  
141 lwl-hub-munin-1.0.1-77358.noarch  
142 lwl-module-station-dao-0.9-1.noarch  
143 zstd-1.4.4-1.el8.x86\_64  
144 perl-Math-BigInt-1.9998.11-7.el8.noarch  
145 tnt-centos5-drivers-6.5.1-2.noarch  
146 lwl-module-user-group-dao-0.16-1.noarch  
147 platform-python-setuptools-39.2.0-6.el8.noarch  
148 perl-PadWalker-2.3-2.el8.x86\_64  
149 lwl-collector-backend-1.0.0-77521.noarch  
150 lwl-module-session-dao-impl-jdbc-0.14-1.noarch  
151 libkapi-hmaccalc-1.2.0-2.el8.x86\_64  
152 perl-Term-Cap-1.17-395.el8.noarch  
153 tnt-netaudit-1.8.0-77496.x86\_64  
154 lwl-module-database-datasourceprovider-postgresql-0.13-1.noarch  
155 coreutils-8.30-8.el8.x86\_64  
156 perl-File-ShareDir-1.104-3.el8.noarch  
157 libprelude-5.2.0-1.el8.x86\_64  
158 lwl-module-logrecord-dao-0.3-1.noarch  
159 dbus-libs-1.12.8-12.el8\_3.x86\_64  
160 xdelta-3.1.0-4.el8.x86\_64  
161 lwl-hub-config-1.0.2-77513.x86\_64  
162 lwl-module-hardware-profile-converter-vmware-0.4-1.noarch  
163 kpartx-0.8.4-5.el8.x86\_64  
164 cjkuni-uming-fonts-0.2.20080216.1-53.el7.noarch  
165 mod\_fcgid-2.3.9-16.el8.x86\_64  
166 popt-1.16-14.el8.x86\_64  
167 vs-helper-6.5.1-2.x86\_64  
168 systemd-pam-239-41.el8\_3.2.x86\_64

169 lksctp-tools-1.0.18-3.el8.x86\_64  
170 network-scripts-10.00.9-1.el8.x86\_64  
171 lwl-module-scheduler-0.12-1.noarch  
172 libpq5-13.2-10PGDG.rhel8.x86\_64  
173 checkpolicy-2.9-1.el8.x86\_64  
174 python3-policycoreutils-2.9-9.el8.noarch  
175 libmnl-1.0.4-6.el8.x86\_64  
176 libXft-2.3.3-1.el8.x86\_64  
177 lwl-module-stratusphere-api-inventory-globalopts-0.4-1.noarch  
178 clamav-update-0.103.1-3.el8.x86\_64  
179 python3-schedutils-0.6-6.el8.x86\_64  
180 libmaxminddb-1.2.0-10.el8.x86\_64  
181 lwl-module-stratusphere-api-heartbeat-0.1-1.noarch  
182 perl-DBD-Pg-3.7.4-4.module\_el8.3.0+426+0b4e9c0a.x86\_64  
183 libXpm-3.5.12-8.el8.x86\_64  
184 json-c-0.13.1-0.2.el8.x86\_64  
185 gpg-pubkey-2f86d6a1-5cf7cefb  
186 lwl-module-active-users-tracking-0.32-1.noarch  
187 httpd-filesystem-2.4.37-30.module\_el8.3.0+561+97fdbbcc.noarch  
188 libdatrie-0.2.9-7.el8.x86\_64  
189 gpg-pubkey-478f8947-5ff329c5  
190 lwl-stratusphere-hub-osgi-modules-1.0.25-1.noarch  
191 python3-libselinux-2.9-4.el8\_3.x86\_64  
192 libnl3-3.5.0-1.el8.x86\_64  
193 perl-Text-ParseWords-3.30-395.el8.noarch  
194 openssh-clients-8.0p1-5.el8.x86\_64  
195 xorg-x11-font-utils-7.5-40.el8.x86\_64  
196 xz-5.2.4-3.el8.x86\_64  
197 authselect-libs-1.2.1-2.el8.x86\_64  
198 libverto-0.3.0-5.el8.x86\_64  
199 perl-Digest-SHA-6.02-1.el8.x86\_64  
200 libcollection-0.7.0-39.el8.x86\_64  
201 lwl-collector-common-1.0.0-76633.noarch  
202 sysstat-11.7.3-5.el8.x86\_64  
203 perl-URI-1.73-3.el8.noarch  
204 groff-base-1.22.3-18.el8.x86\_64  
205 elfutils-0.180-1.el8.x86\_64  
206 cracklib-2.9.6-15.el8.x86\_64  
207 kernel-4.18.0-193.19.1.el8\_2.x86\_64  
208 gnupg2-2.2.20-2.el8.x86\_64  
209 openssl-pkcs11-0.4.10-2.el8.x86\_64  
210 perl-namespace-clean-0.27-7.el8.noarch  
211 cpio-2.12-8.el8.x86\_64

```
212 man-db-2.7.6.1-17.el8.x86_64
213 python3-rpm-4.14.3-4.el8.x86_64
214 perl-DateTime-TimeZone-2.19-1.el8.noarch
215 libpath_utils-0.2.1-39.el8.x86_64
216 yum-utils-4.0.17-5.el8.noarch
217 squashfs-tools-4.3-19.el8.x86_64
218 binutils-2.30-79.el8.x86_64
219 ttmkfd-3.0.9-54.el8.x86_64
220 tzdata-java-2021a-1.el8.noarch
221 java-1.8.0-openjdk-1.8.0.282.b08-2.el8_3.x86_64
222 libnetfilter_cttimeout-1.0.0-11.el8.x86_64
223 perl-Try-Tiny-0.30-7.module_el8.3.0+416+dee7bcef.noarch
224 kexec-tools-2.0.20-34.el8_3.1.x86_64
225 shared-mime-info-1.9-3.el8.x86_64
226 gdisk-1.0.3-6.el8.x86_64
227 perl-HTML-Tagset-3.20-34.module_el8.3.0+416+dee7bcef.noarch
228 python3-blessed-1.17.10-1.el8.noarch
229 perl-MRO-Compat-0.13-4.el8.noarch
230 libreport-filesystem-2.9.5-15.el8.x86_64
231 pg_partman_12-4.4.1-1.rhel8.x86_64
232 policycoreutils-2.9-9.el8.x86_64
233 perl-Unicode-Normalize-1.25-396.el8.x86_64
234 centos-linux-repos-8-2.el8.noarch
235 dmidecode-3.2-6.el8.x86_64
236 polkit-pkla-compat-0.1-12.el8.x86_64
237 perl-MIME-Base64-3.15-396.el8.x86_64
238 glibc-common-2.28-127.el8.x86_64
239 libsss_automount-2.3.0-9.el8.x86_64
240 rrdtool-perl-1.7.0-16.el8.x86_64
241 perl-Module-Implementation-0.09-15.el8.noarch
242 libxml2-2.9.7-8.el8.x86_64
243 lsof-4.93.2-1.el8.x86_64
244 perl-XML-NamespaceSupport-1.12-4.el8.noarch
245 file-5.33-16.el8_3.1.x86_64
246 vim-minimal-8.0.1763-15.el8.x86_64
247 dbus-glib-0.110-2.el8.x86_64
248 perl-Devel-StackTrace-2.03-2.el8.noarch
249 fontpackages-filesystem-1.44-22.el8.noarch
250 python3-dbus-1.2.4-15.el8.x86_64
251 perl-Date-ISO8601-0.005-2.el8.noarch
252 liberation-fonts-common-2.00.3-7.el8.noarch
253 perl-Params-Validate-1.29-5.el8.x86_64
254 perl-Exception-Class-1.44-2.el8.noarch
```

255 liberation-mono-fonts-2.00.3-7.el8.noarch  
256 dejavu-sans-mono-fonts-2.35-6.el8.noarch  
257 perl-Params-Classify-0.015-2.el8.x86\_64  
258 vlgothic-fonts-20141206-15.el8.1.noarch  
259 perl-File-Copy-Recursive-0.40-3.el8.noarch  
260 perl-IO-Tty-1.12-11.el8.x86\_64  
261 perl-IPC-SysV-2.07-397.el8.x86\_64  
262 pkgconf-m4-1.4.2-1.el8.noarch  
263 usermode-1.113-1.el8.x86\_64  
264 perl-MIME-Types-2.17-3.el8.noarch  
265 ncurses-base-6.1-7.20180224.el8.noarch  
266 kernel-modules-4.18.0-193.19.1.el8\_2.x86\_64  
267 perl-Math-BigRat-0.2614-1.el8.noarch  
268 python3-configobj-5.0.6-11.el8.noarch  
269 perl-Sub-Exporter-0.987-15.el8.noarch  
270 tmux-2.7-1.el8.x86\_64  
271 perl-Devel-Caller-2.06-15.el8.x86\_64  
272 fuse-common-3.2.1-12.el8.x86\_64  
273 xorg-x11-fonts-Type1-7.5-19.el8.noarch  
274 perl-Text-Balanced-2.03-395.el8.noarch  
275 perl-Text-Unidecode-1.30-5.el8.noarch  
276 perl-XML-Parser-2.44-11.el8.x86\_64  
277 graphite2-1.3.10-10.el8.x86\_64  
278 ncurses-libs-6.1-7.20180224.el8.x86\_64  
279 atk-2.28.1-1.el8.x86\_64  
280 irqbalance-1.4.0-4.el8.x86\_64  
281 libfontenc-1.1.3-8.el8.x86\_64  
282 apr-util-1.6.1-6.el8.x86\_64  
283 tcl-8.6.8-2.el8.x86\_64  
284 perl-Exporter-5.72-396.el8.noarch  
285 hostname-3.20-6.el8.x86\_64  
286 info-6.5-6.el8.x86\_64  
287 ipa-pmincho-fonts-003.03-5.el7.noarch  
288 lwl-module-apache-common-collections-4.4-2.noarch  
289 readline-7.0-10.el8.x86\_64  
290 nhn-nanum-pen-fonts-1.100-9.el7.noarch  
291 libcap-ng-0.7.9-5.el8.x86\_64  
292 python3-audit-3.0-0.17.20191104git1c2f876.el8.x86\_64  
293 elrepo-release-8.2-1.el8.elrepo.noarch  
294 python3-libcomps-0.1.11-4.el8.x86\_64  
295 jansson-2.11-3.el8.x86\_64  
296 libxcb-1.13.1-1.el8.x86\_64  
297 nspr-4.25.0-2.el8\_2.x86\_64

298 libidn2-2.2.0-1.el8.x86\_64  
299 virt-what-1.18-6.el8.x86\_64  
300 libXcursor-1.1.15-3.el8.x86\_64  
301 gpg-pubkey-8483c65d-5ccc5b19  
302 gmp-6.1.2-10.el8.x86\_64  
303 libXinerama-1.1.4-1.el8.x86\_64  
304 gpg-pubkey-846a40cd-5f7b444a  
305 libthai-0.1.27-2.el8.x86\_64  
306 gpg-pubkey-5f11735a-5a58bcd7  
307 hicolor-icon-theme-0.17-2.el8.noarch  
308 ed-1.14.2-4.el8.x86\_64  
309 libpkgconf-1.4.2-1.el8.x86\_64  
310 efi-srpm-macros-3-2.el8.noarch  
311 libxkbcommon-0.9.1-1.el8.x86\_64  
312 libbasicobjects-0.1.1-39.el8.x86\_64  
313 perl-Getopt-Long-2.50-4.el8.noarch  
314 libnetfilter\_conntrack-1.0.6-5.el8.x86\_64  
315 perl-HTTP-Tiny-0.074-1.el8.noarch  
316 xmlsec1-1.2.25-4.el8.x86\_64  
317 perl-DBI-1.641-3.module\_el8.1.0+199+8f0a6bbd.x86\_64  
318 mpfr-3.1.6-1.el8.x86\_64  
319 cracklib-dicts-2.9.6-15.el8.x86\_64  
320 libmetalink-0.1.3-7.el8.x86\_64  
321 libnsl2-1.2.0-2.20180605git4a062cf.el8.x86\_64  
322 zip-3.0-23.el8.x86\_64  
323 perl-Package-Stash-0.37-9.el8.noarch  
324 perl-Eval-Closure-0.14-5.el8.noarch  
325 fuse-libs-2.9.7-12.el8.x86\_64  
326 perl-DateTime-1.50-1.el8.x86\_64  
327 libnnghttp2-1.41.0-1.module\_el8+9071+b2b61c14.x86\_64  
328 perl-CGI-Fast-2.15-3.el8.noarch  
329 ca-certificates-2020.2.41-80.0.el8\_2.noarch  
330 lzo-2.08-14.el8.x86\_64  
331 perl-Log-Dispatch-FileRotate-1.36-1.el8.noarch  
332 kmod-libs-25-16.el8.x86\_64  
333 perl-XML-LibXML-2.0132-2.el8.x86\_64  
334 patch-2.7.6-11.el8.x86\_64  
335 perl-Log-Log4perl-1.50-1.el8.noarch  
336 jasper-libs-2.0.14-4.el8.x86\_64  
337 trousers-lib-0.3.14-4.el8.x86\_64  
338 libnetfilter\_cthelper-1.0.0-15.el8.x86\_64  
339 gettext-0.19.8.1-17.el8.x86\_64  
340 lua-5.3.4-11.el8.x86\_64

341 bc-1.07.1-5.el8.x86\_64  
342 trousers-0.3.14-4.el8.x86\_64  
343 perl-Exporter-Tiny-1.00000-4.el8.noarch  
344 perl-Ref-Util-XS-0.117-2.el8.x86\_64  
345 perl-Text-Tabs+Wrap-2013.0523-395.el8.noarch  
346 libuser-0.62-23.el8.x86\_64  
347 perl-PathTools-3.74-1.el8.x86\_64  
348 tnt-iptables-2.8.1-76234.x86\_64  
349 perl-interpreter-5.26.3-416.el8.x86\_64  
350 perl-File-Temp-0.230.600-1.el8.noarch  
351 rrdtool-1.7.0-16.el8.x86\_64  
352 perl-IO-Socket-IP-0.39-5.el8.noarch  
353 lwl-ssl-cert-1.0.0-75147.noarch  
354 perl-Compress-Raw-Zlib-2.081-1.el8.x86\_64  
355 perl-Sys-Syslog-0.35-397.el8.x86\_64  
356 lwl-module-jasypt-1.9.3-2.noarch  
357 cronie-1.5.2-4.el8.x86\_64  
358 perl-Digest-SHA1-2.13-23.el8.x86\_64  
359 tnt-setup-1.8.2-77499.noarch  
360 libtalloc-2.3.1-2.el8.x86\_64  
361 lwl-munin-1.0.0-77392.noarch  
362 libtevent-0.10.2-2.el8.x86\_64  
363 tnt-common-java-3.0.16-1.noarch  
364 libsemanage-2.9-3.el8.x86\_64  
365 tnt-identity-common-backend-deps-2.0.2-77097.noarch  
366 sqlite-3.26.0-11.el8.x86\_64  
367 lwl-module-hardware-profile-converter-0.8-1.noarch  
368 tnt-db-imanager-3.3.4-77425.noarch  
369 tar-1.30-5.el8.x86\_64  
370 lwl-module-user-group-model-0.2-1.noarch  
371 lwl-module-common-rest-api-0.63-1.noarch  
372 iptables-1.8.4-15.el8\_3.3.x86\_64  
373 lwl-module-host-model-0.13-1.noarch  
374 tnt-identity-common-backend-priv-2.0.2-77465.noarch  
375 pciutils-libs-3.6.4-2.el8.x86\_64  
376 lwl-module-session-model-0.11-1.noarch  
377 lwl-module-logrecord-model-0.6-1.noarch  
378 libXi-1.7.10-1.el8.x86\_64  
379 lwl-module-atomikos-5.0.6-1.noarch  
380 lwl-module-node-group-dao-0.9-1.noarch  
381 libsecret-0.18.6-1.el8.x86\_64  
382 lwl-module-user-dao-0.28-1.noarch  
383 lwl-hub-munin-postgresql-1.0.1-77358.noarch

384 snappy-1.1.8-3.el8.x86\_64  
385 tnt-LeTOS-drivers-6.5.1-2.noarch  
386 kernel-tools-libs-4.18.0-240.22.1.el8\_3.x86\_64  
387 lwl-module-host-dao-impl-jdbc-0.26-1.noarch  
388 tnt-centos6-drivers-6.5.1-2.noarch  
389 platform-python-pip-9.0.3-18.el8.noarch  
390 lwl-module-json-provider-0.10-1.noarch  
391 tnt-rhel4-drivers-6.5.1-2.noarch  
392 libssh-0.9.4-2.el8.x86\_64  
393 tnt-identity-imanager-backend-deps-2.3.3-77241.noarch  
394 libkapi-1.2.0-2.el8.x86\_64  
395 lwl-module-license-dao-impl-jdbc-0.33-1.noarch  
396 lwl-service-inventoryd-0.3.0-2.x86\_64  
397 curl-7.61.1-14.el8\_3.1.x86\_64  
398 lwl-module-domain-dao-impl-jdbc-0.22-1.noarch  
399 pgdg-redhat-repo-42.0-15.noarch  
400 openssl-libs-1.1.1g-15.el8\_3.x86\_64  
401 lwl-module-database-dbinfoprovider-simple-0.6-1.noarch  
402 lwl-hub-common-1.0.0-77356.noarch  
403 libdb-5.3.28-39.el8.x86\_64  
404 lwl-module-globalopts-dao-impl-jdbc-0.21-1.noarch  
405 lwl-module-vms-event-processor-inventory-monitor-0.21-1.noarch  
406 systemd-libs-239-41.el8\_3.2.x86\_64  
407 lwl-module-logrecord-dao-impl-jdbc-0.20-1.noarch  
408 lwl-module-stratusphere-inspection-data-processor-copy-0.229-1.noarch  
409 dbus-daemon-1.12.8-12.el8\_3.x86\_64  
410 lwl-module-hardware-profile-converter-nutanix-0.3-1.noarch  
411 lwl-hub-config-systemd-1.0.2-77513.x86\_64  
412 elfutils-default-yama-scope-0.180-1.el8.noarch  
413 sssd-kcm-2.3.0-9.el8.x86\_64  
414 cryptsetup-libs-2.3.3-2.el8.x86\_64  
415 lwl-module-datastore-model-0.5-1.noarch  
416 grub2-pc-2.02-90.el8\_3.1.x86\_64  
417 rpm-libs-4.14.3-4.el8.x86\_64  
418 lwl-module-stratusphere-inspection-data-rollup-0.121-2.noarch  
419 dbus-1.12.8-12.el8\_3.x86\_64  
420 microcode\_ctl-20200609-2.20210216.1.el8\_3.x86\_64  
421 iproute-5.3.0-5.el8.x86\_64  
422 lwl-module-fam-0.31-1.noarch  
423 vs-pushuser-6.5.1-2.x86\_64  
424 lwl-module-objectbase-0.23-1.noarch  
425 lwl-common-osgi-modules-1.0.5-4.noarch  
426 lshw-B.02.19.2-2.el8.x86\_64

427 clamav-lib-0.103.1-3.el8.x86\_64  
428 lwl-module-stratusphere-api-inventory-node-0.6-1.noarch  
429 bridge-utils-1.7.1-2.el8.x86\_64  
430 net-snmp-libs-5.8-18.el8\_3.1.x86\_64  
431 lwl-module-stratusphere-api-cert-0.9-1.noarch  
432 libmodulemd1-1.8.16-0.2.9.4.2.x86\_64  
433 postgresql12-server-12.6-1PGDG.rhel8.x86\_64  
434 lwl-module-stratusphere-api-license-0.26-1.noarch  
435 openscap-1.3.3-6.el8\_3.x86\_64  
436 lwl-module-database-dbinfoprovider-properties-0.10-1.noarch  
437 util-linux-user-2.32.1-24.el8.x86\_64  
438 lwl-module-ung-0.11-1.noarch  
439 lwl-module-gson-2.8.5-3.noarch  
440 lwl-module-urldetails-dao-0.10-1.noarch  
441 aide-0.16-14.el8.x86\_64  
442 sg3\_utils-libs-1.44-5.el8.x86\_64  
443 net-snmp-5.8-18.el8\_3.1.x86\_64  
444 tnt-identity-common-java-deps-3.3.1-77026.noarch  
445 postgresql12-contrib-12.6-1PGDG.rhel8.x86\_64  
446 kernel-modules-4.18.0-240.22.1.el8\_3.x86\_64  
447 nscd-2.28-127.el8.x86\_64  
448 authselect-compat-1.2.1-2.el8.x86\_64  
449 lwl-collector-1.0.0-76633.noarch  
450 selinux-policy-3.14.3-54.el8\_3.2.noarch  
451 redhat-rpm-config-123-1.el8.noarch  
452 cryptsetup-2.3.3-2.el8.x86\_64  
453 gnupg2-smime-2.2.20-2.el8.x86\_64  
454 chrony-3.5-1.el8.x86\_64  
455 libdnf-0.48.0-5.el8.x86\_64  
456 rng-tools-6.8-3.el8.x86\_64  
457 rpm-build-libs-4.14.3-4.el8.x86\_64  
458 dnf-4.2.23-4.el8.noarch  
459 rootfiles-8.1-22.el8.noarch  
460 dnf-plugins-core-4.0.17-5.el8.noarch  
461 python2-setuptools-39.0.1-12.module\_el8.3.0+478+7570e00c.noarch  
462 alsa-lib-1.2.3.2-1.el8.x86\_64  
463 openscap-utils-1.3.3-6.el8\_3.x86\_64  
464 perl-LWP-MediaTypes-6.02-15.module\_el8.3.0+416+dee7bcef.noarch  
465 java-1.8.0-openjdk-headless-1.8.0.282.b08-2.el8\_3.x86\_64  
466 tzdata-2021a-1.el8.noarch  
467 nss-tools-3.53.1-17.el8\_3.x86\_64  
468 python2-pip-wheel-9.0.3-18.module\_el8.3.0+478+7570e00c.noarch  
469 dracut-network-049-95.git20200804.el8\_3.4.x86\_64

470 perl-TimeDate-2.30-15.module\_el8.3.0+416+dee7bcef.noarch  
471 mod\_http2-1.15.7-2.module\_el8.3.0+477+498bb568.x86\_64  
472 perl-HTTP-Message-6.18-1.module\_el8.3.0+416+dee7bcef.noarch  
473 python3-wcwidth-0.2.4-1.el8.noarch  
474 perl-Digest-HMAC-1.03-17.module\_el8.3.0+416+dee7bcef.noarch  
475 python3-linux-procfs-0.6.2-2.el8.noarch  
476 mariadb-connector-c-config-3.1.11-2.el8\_3.noarch  
477 python36-3.6.8-2.module\_el8.3.0+562+e162826a.x86\_64  
478 dnf-data-4.2.23-4.el8.noarch  
479 libnfsidmap-2.3.3-35.el8.x86\_64  
480 dhcp-common-4.3.6-41.el8.noarch  
481 jq-1.5-12.el8.x86\_64  
482 centos-linux-release-8.3-1.2011.el8.noarch  
483 libnsl-2.28-127.el8.x86\_64  
484 pcre2-10.32-2.el8.x86\_64  
485 usbguard-0.7.8-7.el8.x86\_64  
486 glibc-langpack-en-2.28-127.el8.x86\_64  
487 libsss\_sudo-2.3.0-9.el8.x86\_64  
488 libstdc++-8.3.1-5.1.el8.x86\_64  
489 fapolicyd-selinux-1.0-3.el8\_3.4.noarch  
490 elfutils-libelf-0.180-1.el8.x86\_64  
491 perl-HTML-Parser-3.72-15.module\_el8.3.0+416+dee7bcef.x86\_64  
492 expat-2.2.5-4.el8.x86\_64  
493 munin-2.0.66-1.el8.noarch  
494 grub2-common-2.02-90.el8\_3.1.noarch  
495 perl-Params-Util-1.07-22.el8.x86\_64  
496 javapackages-filesystem-5.3.0-1.module\_el8.0.0+11+5b8c10bd.noarch  
497 perl-Data-OptList-0.110-6.el8.noarch  
498 perl-Email-Date-Format-1.005-11.el8.noarch  
499 geolite2-city-20180605-1.el8.noarch  
500 perl-Class-Method-Modifiers-2.12-8.el8.noarch  
501 dejavu-fonts-common-2.35-6.el8.noarch  
502 perl-Crypt-DES-2.07-19.1.el8.x86\_64  
503 samyak-devanagari-fonts-1.2.2-19.el8.noarch  
504 perl-DateTime-TimeZone-SystemV-0.010-3.el8.noarch  
505 pgtune-0.9.3-12.da57e00.el7.noarch  
506 perl-Expect-1.35-10.el8.noarch  
507 publicsuffix-list-dafsa-20180723-1.el8.noarch  
508 perl-JSON-2.97.001-2.el8.noarch  
509 passwd-0.80-3.el8.x86\_64  
510 ocaml-srpm-macros-5-4.el8.noarch  
511 perl-MIME-Lite-3.030-16.el8.noarch  
512 perl-bignum-0.49-2.el8.noarch

513 libX11-common-1.6.8-3.el8.noarch  
514 perl-Sub-Exporter-Progressive-0.001013-5.el8.noarch  
515 python3-pyudev-0.21.0-7.el8.noarch  
516 ghc-srpm-macros-1.4.2-7.el8.noarch  
517 perl-Devel-LexAlias-0.05-16.el8.x86\_64  
518 perl-Sub-Identify-0.14-6.el8.x86\_64  
519 conntrack-tools-1.4.4-10.el8.x86\_64  
520 perl-Text-Soundex-3.05-8.el8.x86\_64  
521 perl-Ref-Util-0.203-4.el8.noarch  
522 mozjs60-60.9.0-4.el8.x86\_64  
523 harfbuzz-1.7.5-3.el8.x86\_64  
524 xz-libs-5.2.4-3.el8.x86\_64  
525 libpng12-1.2.57-5.el8.x86\_64  
526 apr-util-openssl-1.6.1-6.el8.x86\_64  
527 perl-Carp-1.42-396.el8.noarch  
528 expect-5.45.4-5.el8.x86\_64  
529 bzip2-libs-1.0.6-26.el8.x86\_64  
530 ipa-gothic-fonts-003.03-5.el7.noarch  
531 Idns-1.7.0-21.el8.x86\_64  
532 perl-parent-0.237-1.el8.noarch  
533 nhn-nanum-brush-fonts-1.100-9.el7.noarch  
534 sscg-2.3.3-14.el8.x86\_64  
535 wqy-zenhei-fonts-0.9.46-11.el7.noarch  
536 findutils-4.6.0-20.el8.x86\_64  
537 fribidi-1.0.4-8.el8.x86\_64  
538 python3-decorator-4.2.1-2.el8.noarch  
539 grep-3.1-6.el8.x86\_64  
540 jbigkit-libs-2.1-14.el8.x86\_64  
541 libX11-1.6.8-3.el8.x86\_64  
542 libunistring-0.9.9-3.el8.x86\_64  
543 libXfixes-5.0.3-7.el8.x86\_64  
544 libXdamage-1.1.4-14.el8.x86\_64  
545 gpg-pubkey-5ba5fa8d-5ccc6012  
546 libacl-2.2.53-1.el8.x86\_64  
547 libatomic\_ops-7.6.2-3.el8.x86\_64  
548 gpg-pubkey-442df0f8-4783f24a  
549 perl-Module-Runtime-0.016-2.el8.noarch  
550 libestr-0.1.10-1.el8.x86\_64  
551 gpg-pubkey-bbae6f1b-5c790651  
552 cntlm-0.92.3-1.x86\_64  
553 gdbm-libs-1.18-1.el8.x86\_64  
554 ipcalc-0.2.4-4.el8.x86\_64  
555 diffutils-3.6-6.el8.x86\_64

556 libpciaccess-0.14-1.el8.x86\_64  
557 libnfnetlink-1.0.1-13.el8.x86\_64  
558 pkgconf-1.4.2-1.el8.x86\_64  
559 apache-commons-codec-1.13-3.module\_el8.2.0+364+b808f688.noarch  
560 libsigsegv-2.11-5.el8.x86\_64  
561 perl-Term-ANSIColor-4.06-396.el8.noarch  
562 perl-Authen-SASL-2.16-13.el8.noarch  
563 keyutils-libs-1.5.10-6.el8.x86\_64  
564 perl-Pod-Simple-3.35-395.el8.noarch  
565 lm\_sensors-libs-3.4.0-21.20180522git70f7e08.el8.x86\_64  
566 perl-Pod-Perldoc-3.28-396.el8.noarch  
567 gdbm-1.18-1.el8.x86\_64  
568 perl-libnet-3.11-3.el8.noarch  
569 perl-Date-Manip-6.60-2.el8.noarch  
570 libksba-1.3.5-7.el8.x86\_64  
571 perl-Net-SNMP-6.0.1-25.el8.1.noarch  
572 unzip-6.0-43.el8.x86\_64  
573 cjkuni-ukai-fonts-0.2.20080216.1-51.el7.noarch  
574 perltidy-20180220-1.el8.noarch  
575 ethtool-5.0-2.el8.x86\_64  
576 gettext-libs-0.19.8.1-17.el8.x86\_64  
577 perl-Daemon-Locale-1.17-2.el8.noarch  
578 libedit-3.1-23.20170329cvs.el8.x86\_64  
579 p11-kit-trust-0.23.14-5.el8\_0.x86\_64  
580 perl-Log-Dispatch-2.68-1.el8.noarch  
581 perl-XML-SAX-1.00-1.el8.noarch  
582 perl-LDAP-0.66-7.el8.noarch  
583 libyaml-0.1.7-5.el8.x86\_64  
584 ipset-7.1-1.el8.x86\_64  
585 npth-1.5-4.el8.x86\_64  
586 dwz-0.12-9.el8.x86\_64  
587 perl-Class-Singleton-1.5-9.el8.noarch  
588 perl-Package-Stash-XS-0.28-17.el8.x86\_64  
589 libevent-2.1.8-5.el8.x86\_64  
590 perl-Socket-2.027-3.el8.x86\_64  
591 lwl-module-guava-28.2-2.noarch  
592 perl-IO-1.38-416.el8.x86\_64  
593 polkit-libs-0.115-11.el8.x86\_64  
594 perl-threads-shared-1.58-2.el8.x86\_64  
595 perl-Time-Local-1.280-1.el8.noarch  
596 pango-1.42.4-6.el8.x86\_64  
597 perl-Dist-CheckConflicts-0.11-11.el8.noarch  
598 perl-Digest-MD5-2.55-396.el8.x86\_64

599 gtk2-2.24.32-4.el8.x86\_64  
600 perl-IO-Socket-INET6-2.72-12.el8.noarch  
601 perl-Mail-Sendmail-0.80-4.el8.noarch  
602 crontie-anacron-1.5.2-4.el8.x86\_64  
603 tnt-tools-1.5.5-77171.x86\_64  
604 lwl-httpd-config-1.0.2-77104.noarch  
605 libsmartcols-2.32.1-24.el8.x86\_64  
606 lwl-servicemix-base-6.1.4-13.noarch  
607 libseccomp-2.4.3-1.el8.x86\_64  
608 tnt-identity-common-java-3.3.6-77367.noarch  
609 lwl-module-tnt-common-java-1.4-1.noarch  
610 psmisc-23.1-5.el8.x86\_64  
611 lwl-module-oval-0.14-1.noarch  
612 lwl-module-tnt-identity-common-java-1.6-1.noarch  
613 nettle-3.4.1-4.el8\_3.x86\_64  
614 lwl-module-executorservice-0.63-1.noarch  
615 iptables-libs-1.8.4-15.el8\_3.3.x86\_64  
616 lwl-module-domain-model-0.16-1.noarch  
617 libsss\_idmap-2.3.0-9.el8.x86\_64  
618 lwl-natsd-0.21.2-3.x86\_64  
619 lwl-module-tnt-identity-common-backend-1.1-0.noarch  
620 remi-release-8.3-1.el8.remi.noarch  
621 lwl-module-vms-connector-nutanix-0.23-1.noarch  
622 lwl-module-database-config-0.152-1.noarch  
623 grub2-pc-modules-2.02-90.el8\_3.1.noarch  
624 tnt-identity-common-web-1.8.2-77053.noarch  
625 lwl-module-domain-dao-0.14-1.noarch  
626 protobuf-3.5.0-13.el8.x86\_64  
627 tnt-kernel-modules-1.15.0-77471\_4.18.0\_240.22.1.el8\_3.x86\_64  
628 lwl-module-vms-dao-impl-jdbc-0.38-1.noarch  
629 coreutils-common-8.30-8.el8.x86\_64  
630 tnt-10Zig-drivers-6.5.1-2.noarch  
631 lwl-module-license-dao-0.19-1.noarch  
632 grub2-tools-minimal-2.02-90.el8\_3.1.x86\_64  
633 tnt-igel-drivers-6.5.1-2.noarch  
634 lwl-module-vijava-6.0.05-1.noarch  
635 krb5-libs-1.18.2-5.el8.x86\_64  
636 tnt-stratodesk-drivers-6.5.1-2.noarch  
637 lwl-module-json-provider-gson-0.11-1.noarch  
638 grubby-8.40-41.el8.x86\_64  
639 tnt-identity-imanager-backend-2.3.3-77521.noarch  
640 lwl-module-station-dao-impl-jdbc-0.14-1.noarch  
641 libdb-utils-5.3.28-39.el8.x86\_64

642 lwl-stratusphere-web-2.0.5-77518.noarch  
643 lwl-module-database-copy-postgresql-0.15-1.noarch  
644 crypto-policies-20210209-1.gitfb6bed.el8\_3.noarch  
645 lwl-db-setup-1.0.0-77258.noarch  
646 lwl-module-database-monitor-postgresql-0.4-1.noarch  
647 libblkid-2.32.1-24.el8.x86\_64  
648 tnt-identity-igateway-backend-1.5.1-77137.noarch  
649 lwl-module-ldap-dao-0.3-1.noarch  
650 libmount-2.32.1-24.el8.x86\_64  
651 lwl-module-stratusphere-api-update-0.37-1.noarch  
652 lwl-module-stratusphere-inspection-login-session-summarize-0.7-1.noarch  
653 dbus-tools-1.12.8-12.el8\_3.x86\_64  
654 lwl-module-vms-connector-vmware-0.115-1.noarch  
655 util-linux-2.32.1-24.el8.x86\_64  
656 tnt-release-6.5.1-1\_202105270949.noarch  
657 device-mapper-libs-1.02.171-5.el8.x86\_64  
658 tnt-decode-1.0.0-77495.x86\_64  
659 lwl-module-datastore-dao-0.14-1.noarch  
660 rpm-4.14.3-4.el8.x86\_64  
661 lwl-module-vms-metric-processor-raw-jdbc-0.31-1.noarch  
662 grub2-tools-2.02-90.el8\_3.1.x86\_64  
663 postgresql12-plperl-12.6-1PGDG.rhel8.x86\_64  
664 lwl-module-hibernate-5.2.10-Final.1.noarch  
665 initscripts-10.00.9-1.el8.x86\_64  
666 net-tools-2.0-0.52.20160912git.el8.x86\_64  
667 lwl-module-propholder-0.32-1.noarch  
668 lwl-module-apache-commons-lang3-3.11-1.noarch  
669 python3-libxml2-2.9.7-8.el8.x86\_64  
670 lwl-module-stratusphere-inspection-data-reader-0.35-1.noarch  
671 clamav-filesystem-0.103.1-3.el8.noarch  
672 libtiff-4.0.9-18.el8.x86\_64  
673 lwl-module-stratusphere-api-inventory-node-group-0.14-1.noarch  
674 rsyslog-8.1911.0-6.el8.x86\_64  
675 gtk-update-icon-cache-3.22.30-6.el8.x86\_64  
676 lwl-module-stratusphere-api-auth-0.45-1.noarch  
677 postgresql12-12.6-1PGDG.rhel8.x86\_64  
678 perl-Mozilla-CA-20160104-7.module\_el8.3.0+416+dee7bcef.noarch  
679 unbound-libs-1.7.3-14.el8.x86\_64  
680 lwl-module-stratusphere-database-config-0.27-1.noarch  
681 openssh-server-8.0p1-5.el8.x86\_64  
682 lwl-module-unique-number-generator-impl-jdbc-0.17-1.noarch  
683 lwl-module-groovy-3.0.7-1.noarch  
684 mariadb-connector-c-3.1.11-2.el8\_3.x86\_64

685 yajl-2.1.0-10.el8.x86\_64  
686 net-snmp-agent-libs-5.8-18.el8\_3.1.x86\_64  
687 perl-Net-HTTP-6.17-2.module\_el8.3.0+416+dee7bcef.noarch  
688 python3-unbound-1.7.3-14.el8.x86\_64  
689 clamav-0.103.1-3.el8.x86\_64  
690 tnt-policy-common-2.7.1-77477.noarch  
691 authselect-1.2.1-2.el8.x86\_64  
692 rpm-plugin-selinux-4.14.3-4.el8.x86\_64  
693 lwl-hub-1.0.0-68404.noarch  
694 lwl-keyring-1.0.8-76766.noarch  
695 tnt-setup-manager-1.6.3-65795.noarch  
696 gdb-headless-8.2-12.el8.x86\_64  
697 lwl-base-appliance-vmware-8.0-master.9960ee9.noarch  
698 libusbbx-1.0.23-4.el8.x86\_64  
699 librepo-1.12.0-2.el8.x86\_64  
700 wget-1.19.5-10.el8.x86\_64  
701 python3-dnf-4.2.23-4.el8.noarch  
702 python3-dnf-plugins-core-4.0.17-5.el8.noarch  
703 python2-pip-9.0.3-18.module\_el8.3.0+478+7570e00c.noarch  
704 e2fsprogs-1.45.6-1.el8.x86\_64  
705 libgcc-8.3.1-5.1.el8.x86\_64  
706 rpmdevtools-8.10-8.el8.noarch  
707 perl-Encode-Locale-1.05-10.module\_el8.3.0+416+dee7bcef.noarch  
708 nss-3.53.1-17.el8\_3.x86\_64  
709 tnt-windows-pdb-6.5.1-2.noarch  
710 lwl-java-setup-1.6.0-77212.noarch  
711 python-srpm-macros-3-39.el8.noarch  
712 dhcp-client-4.3.6-41.el8.x86\_64  
713 perl-HTTP-Date-6.02-19.module\_el8.3.0+416+dee7bcef.noarch  
714 httpd-2.4.37-30.module\_el8.3.0+561+97fdbbcc.x86\_64  
715 perl-HTTP-Cookies-6.04-2.module\_el8.3.0+416+dee7bcef.noarch  
716 python3-humanize-0.5.1-13.el8.noarch  
717 perl-NTLM-1.09-17.module\_el8.3.0+416+dee7bcef.noarch  
718 python3-gobject-base-3.28.3-2.el8.x86\_64  
719 linux-firmware-20200619-101.git3890db36.el8\_3.noarch  
720 python3-pip-9.0.3-18.el8.noarch  
721 kbd-misc-2.0.4-10.el8.noarch  
722 python3-syspurpose-1.27.16-1.el8.x86\_64  
723 dbus-common-1.12.8-12.el8\_3.noarch  
724 oniguruma-6.8.2-2.el8.x86\_64  
725 setup-2.12.2-6.el8.noarch  
726 libnetfilter\_queue-1.0.4-3.el8.x86\_64  
727 glibc-2.28-127.el8.x86\_64

728 usbguard-selinux-0.7.8-7.el8.noarch  
729 zlib-1.2.11-16.2.el8\_3.x86\_64  
730 sssd-client-2.3.0-9.el8.x86\_64  
731 libcap-2.26-4.el8.x86\_64  
732 fapolicyd-1.0-3.el8\_3.4.x86\_64  
733 libuuid-2.32.1-24.el8.x86\_64  
734 python3-perf-4.18.0-240.22.1.el8\_3.x86\_64  
735 libzstd-1.4.4-1.el8.x86\_64  
736 munin-apache-2.0.66-1.el8.noarch  
737 freetype-2.9.1-4.el8\_3.1.x86\_64  
738 lwl-config-utils-1.0.0-77464.noarch  
739 libffi-3.1-22.el8.x86\_64  
740 lwl-apache-jakarta-tomcat-9.0.45-77343.noarch  
741 geolite2-country-20180605-1.el8.noarch  
742 perl-Role-Tiny-2.000006-2.el8.noarch  
743 e2fsprogs-libs-1.45.6-1.el8.x86\_64  
744 lwl-module-eventbus-0.36-1.noarch  
745 samyak-fonts-common-1.2.2-19.el8.noarch  
746 perl-DateTime-TimeZone-Tzfile-0.011-3.el8.noarch  
747 libselinux-utils-2.9-4.el8\_3.x86\_64  
748 pg\_top12-3.7.0-5.rhel8.2.x86\_64  
749 lwl-module-vms-dao-util-0.42-1.noarch  
750 qt5-srpm-macros-5.12.5-3.el8.noarch  
751 lwl-module-apache-common-csv-1.4-1.noarch  
752 perl-IPC-ShareLite-0.17-30.el8.x86\_64  
753 nss-softokn-3.53.1-17.el8\_3.x86\_64  
754 timedatex-0.5-3.el8.x86\_64  
755 lwl-module-apache-common-http-client-4.5.13-1.noarch  
756 openblas-srpm-macros-2-2.el8.noarch  
757 lwl-module-password-dao-0.3-1.noarch  
758 perl-Math-Complex-1.59-416.el8.noarch  
759 copy-jdk-configs-3.7-4.el8.noarch  
760 tnt-brandit-1.3.0-77240.x86\_64  
761 lwl-module-session-dao-0.9-1.noarch  
762 perl-Devel-GlobalDestruction-0.14-5.el8.noarch  
763 python3-libs-3.6.8-31.el8.x86\_64  
764 gd-2.0.35-26.el7.x86\_64  
765 tnt-ubuntu10-drivers-6.5.1-2.noarch  
766 emacs-filesystem-26.1-5.el8.noarch  
767 lwl-module-user-group-dao-impl-jdbc-0.10-1.noarch  
768 perl-Taint-Runtime-0.03-32.el8.x86\_64  
769 libarchive-3.3.2-9.el8.x86\_64  
770 lwl-snmp-1.2.3-77133.noarch

771 lwl-module-database-datasourceprovider-atomikos-0.12-1.noarch  
772 perl-Class-Inspector-1.32-2.el8.noarch  
773 shadow-utils-4.6-11.el8.x86\_64  
774 lwl-module-node-group-dao-impl-jdbc-0.13-1.noarch  
775 lwl-module-ldap-dao-impl-spring-0.4-1.noarch  
776 xml-common-0.6.3-50.el8.noarch  
777 procps-ng-3.3.15-3.el8.x86\_64  
778 lwl-module-vms-dao-0.37-1.noarch  
779 libxcrypt-4.1.1-4.el8.x86\_64  
780 device-mapper-1.02.171-5.el8.x86\_64  
781 open-vm-tools-11.1.0-2.el8.x86\_64  
782 lwl-module-datastore-dao-impl-jdbc-0.25-1.noarch  
783 less-530-1.el8.x86\_64  
784 dracut-049-95.git20200804.el8\_3.4.x86\_64  
785 clamav-data-0.103.1-3.el8.noarch  
786 libgpg-error-1.31-1.el8.x86\_64  
787 lwl-module-quartz-2.3.2-1.noarch  
788 c-ares-1.13.0-5.el8.x86\_64  
789 libmodulemd-2.9.4-2.el8.x86\_64  
790 policycoreutils-python-utils-2.9-9.el8.noarch  
791 libXrandr-1.5.2-1.el8.x86\_64  
792 pcre-8.42-4.el8.x86\_64  
793 lwl-module-stratusphere-api-inventory-domain-0.7-1.noarch  
794 logrotate-3.14.0-4.el8.x86\_64  
795 libXau-1.0.9-3.el8.x86\_64  
796 lwl-module-stratusphere-api-dashboard-0.9-1.noarch  
797 libXcomposite-0.4.4-14.el8.x86\_64  
798 munin-common-2.0.66-1.el8.noarch  
799 gpg-pubkey-baadae52-49beffa4  
800 libattr-2.4.48-3.el8.x86\_64  
801 gc-7.6.4-3.el8.x86\_64  
802 lwl-module-bouncycastle-1.66-1.noarch  
803 gpg-pubkey-4c21a808-5e4a9a41  
804 lwl-module-urldetails-dao-impl-jdbc-0.8-1.noarch  
805 libmspack-0.7-0.3.alpha.el8.4.x86\_64  
806 libldb-2.1.3-3.el8\_3.x86\_64  
807 avahi-libs-0.7-19.el8.x86\_64  
808 perl-Time-HiRes-1.9758-1.el8.x86\_64  
809 pkgconf-pkg-config-1.4.2-1.el8.x86\_64  
810 scap-security-guide-0.1.50-16.el8\_3.noarch  
811 libassuan-2.5.1-3.el8.x86\_64  
812 libsysfs-2.1.0-24.el8.x86\_64  
813 iptables-services-1.8.4-15.el8\_3.3.x86\_64

814 perl-Encode-2.97-3.el8.x86\_64  
815 libref\_array-0.1.5-39.el8.x86\_64  
816 dracut-squash-049-95.git20200804.el8\_3.4.x86\_64  
817 acl-2.2.53-1.el8.x86\_64  
818 sg3\_utils-1.44-5.el8.x86\_64  
819 gzip-1.9-9.el8.x86\_64  
820 libbabeltrace-1.5.4-3.el8.x86\_64  
821 perl-IO-Compress-2.081-1.el8.noarch  
822 gpgme-1.13.1-3.el8.x86\_64  
823 perl-namespace-autoclean-0.28-10.el8.noarch  
824 prefixdevname-0.1.0-6.el8.x86\_64  
825 libcroco-0.6.12-4.el8\_2.1.x86\_64  
826 python3-gpg-1.13.1-3.el8.x86\_64  
827 perl-Convert-ASN1-0.27-17.el8.noarch  
828 libini\_config-1.3.1-39.el8.x86\_64  
829 cups-libs-2.2.6-38.el8.x86\_64  
830 perl-Mail-Sender-0.903-7.el8.noarch  
831 ncurses-6.1-7.20180224.el8.x86\_64  
832 libpwquality-1.4.0-9.el8.x86\_64  
833 rpm-build-4.14.3-4.el8.x86\_64  
834 perl-XML-Simple-2.25-1.el8.noarch  
835 hwdata-0.314-8.6.el8.noarch  
836 java-1.8.0-openjdk-devel-1.8.0.282.b08-2.el8\_3.x86\_64  
837 libnftnl-1.1.5-4.el8.x86\_64  
838 perl-WWW-RobotRules-6.02-18.module\_el8.3.0+416+dee7bcef.noarch  
839 glib2-2.56.4-8.el8.x86\_64  
840 httpd-tools-2.4.37-30.module\_el8.3.0+561+97fdbbcc.x86\_64  
841 libcomps-0.1.11-4.el8.x86\_64  
842 perl-HTTP-Negotiate-6.01-19.module\_el8.3.0+416+dee7bcef.noarch  
843 fontconfig-2.13.1-3.el8.x86\_64  
844 kernel-tools-4.18.0-240.22.1.el8\_3.x86\_64  
845 perl-Net-CIDR-0.20-1.el8.noarch  
846 libssh-config-0.9.4-2.el8.noarch  
847 python3-six-1.11.0-8.el8.noarch  
848 pg\_activity-2.1.3-1.rhel8.noarch  
849 tnt-base-4.0.1-62018.noarch  
850 perl-File-Path-2.15-2.el8.noarch  
851 centos-gpg-keys-8-2.el8.noarch  
852 polkit-0.115-11.el8.x86\_64  
853 libdrm-2.4.101-1.el8.x86\_64  
854 perl-Storable-3.11-3.el8.x86\_64  
855 bash-4.4.19-12.el8.x86\_64  
856 libsss\_nss\_idmap-2.3.0-9.el8.x86\_64

857 perl-Digest-1.17-395.el8.noarch  
858 libcom\_err-1.45.6-1.el8.x86\_64  
859 numactl-libs-2.0.12-11.el8.x86\_64  
860 perl-version-0.99.24-1.el8.x86\_64  
861 file-libs-5.33-16.el8\_3.1.x86\_64  
862 iutils-20180629-2.el8.x86\_64  
863 sudo-1.8.29-6.el8\_3.1.x86\_64  
864 nss-util-3.53.1-17.el8\_3.x86\_64  
865 perl-XML-SAX-Base-1.09-4.el8.noarch  
866 fipscheck-lib-1.5.0-4.el8.x86\_64  
867 tnt-common-java-deps-3.0.16-1.noarch  
868 libtdb-1.4.3-1.el8.x86\_64  
869 perl-Class-Data-Inheritable-0.08-27.el8.noarch  
870 liberation-sans-fonts-2.00.3-7.el8.noarch  
871 tnt-db-2.9.2-76762.noarch  
872 lwl-module-password-model-0.2-1.noarch  
873 brotli-1.0.6-2.el8.x86\_64  
874 perl-Devel-CallChecker-0.008-3.el8.x86\_64  
875 vlgothic-p-fonts-20141206-15.el8.1.noarch  
876 lwl-module-node-dao-0.37-1.noarch  
877 lwl-module-license-decoder-0.6-1.noarch  
878 pciutils-3.6.4-2.el8.x86\_64  
879 perl-Net-Server-2.009-3.el8.noarch  
880 lwl-module-node-group-model-0.3-1.noarch  
881 pinentry-1.1.0-2.el8.x86\_64  
882 perl-List-MoreUtils-0.428-2.el8.noarch  
883 chkrootkit-0.50-4el7.x86\_64  
884 lwl-collector-backend-deps-1.0.0-77521.noarch  
885 lwl-module-host-dao-0.13-1.noarch  
886 memstrtrack-0.1.11-1.el8.x86\_64  
887 perl-Package-Generator-1.106-11.el8.noarch  
888 python3-dateutil-2.6.1-6.el8.noarch  
889 tnt-osx-drivers-6.5.1-2.noarch  
890 openldap-2.4.46-15.el8.x86\_64  
891 perl-SelfLoader-1.23-416.el8.noarch  
892 audit-3.0-0.17.20191104git1c2f876.el8.x86\_64  
893 centos-logos-httdp-80.5-2.el8.noarch  
894 lwl-birt-reports-1.0.1-77491.noarch  
895 lwl-module-user-dao-impl-jdbc-0.43-1.noarch  
896 libcurl-7.61.1-14.el8\_3.1.x86\_64  
897 perl-B-Hooks-EndOfScope-0.21-6.el8.noarch  
898 basesystem-11-5.el8.noarch  
899 tnt-igateway-health-1.2.0-77346.noarch

900 lwl-module-globalopts-dao-0.5-1.noarch  
901 pam-1.3.1-11.el8.x86\_64  
902 gobject-introspection-1.56.1-1.el8.x86\_64  
903 libsepol-2.9-1.el8.x86\_64  
904 lwl-module-stratusphere-api-overview-0.43-1.noarch  
905 lwl-module-license-decoder-xml-0.8-1.noarch  
906 kbd-2.0.4-10.el8.x86\_64  
907 pigz-2.4-4.el8.x86\_64  
908 apr-util-bdb-1.6.1-6.el8.x86\_64  
909 perl-libs-5.26.3-416.el8.x86\_64  
910 tuned-2.14.0-3.el8\_3.1.noarch  
911 elfutils-debuginfod-client-0.180-1.el8.x86\_64  
912 ipa-pgothic-fonts-003.03-5.el7.noarch  
913 mailx-12.5-29.el8.x86\_64  
914 python3-setools-4.3.0-2.el8.x86\_64  
915 systemd-239-41.el8\_3.2.x86\_64  
916 nhn-nanum-myeongjo-fonts-3.020-9.el7.noarch  
917 xmlsec1-openssl-1.2.25-4.el8.x86\_64  
918 audit-libs-3.0-0.17.20191104git1c2f876.el8.x86\_64  
919 xfsprogs-5.0.0-4.el8.x86\_64  
920 lwl-module-stratusphere-session-utils-0.46-1.noarch  
921 kernel-core-4.18.0-240.22.1.el8\_3.x86\_64  
922 hardlink-1.3-6.el8.x86\_64  
923 which-2.21-12.el8.x86\_64  
924 libgomp-8.3.1-5.1.el8.x86\_64  
925 lwl-module-stratusphere-api-inventory-user-group-0.17-1.noarch  
926 perl-Net-SSLeay-1.88-1.module\_el8.3.0+410+ff426aa3.x86\_64  
927 libXrender-0.9.10-7.el8.x86\_64  
928 kernel-4.18.0-240.22.1.el8\_3.x86\_64  
929 openscap-scanner-1.3.3-6.el8\_3.x86\_64  
930 libtool-ltdl-2.4.6-25.el8.x86\_64  
931 gpg-pubkey-0364b949-58bd2928  
932 lwl-module-urldetails-model-0.4-1.noarch  
933 openssl-1.1.1g-15.el8\_3.x86\_64  
934 libipt-1.6.1-8.el8.x86\_64  
935 mod\_security\_crs-3.0.0-5.el8.noarch  
936 openssl-perl-1.1.1g-15.el8\_3.x86\_64  
937 libpipeline-1.5.0-2.el8.x86\_64  
938 apache-commons-collections-3.2.2-10.module\_el8.2.0+315+896aef55.noarch  
939 net-snmp-utils-5.8-18.el8\_3.1.x86\_64  
940 lwl-diag-common-1.0.0-74980.noarch  
941 oddjob-0.34.5-3.el8.x86\_64  
942 perl-podlators-4.11-1.el8.noarch

```
943 tnt-postgresql-1.0.1-75096.noarch
944 selinux-policy-targeted-3.14.3-54.el8_3.2.noarch
945 tnt-libperlnt-1.5.0-65269.noarch
946 grub2-tools-extra-2.02-90.el8_3.1.x86_64
947 libtirpc-1.1.4-4.el8.x86_64
948 perl-Net-SMTP-SSL-1.04-5.el8.noarch
949 perl-FCGI-0.78-11.module_el8.1.0+205+ccfc4274.x86_64
950 python3-libdnf-0.48.0-5.el8.x86_64
951 perl-Params-ValidationCompiler-0.27-1.el8.noarch
952 hdparm-9.54-2.el8.x86_64
953 lsscsi-0.30-1.el8.x86_64
954 dnf-automatic-4.2.23-4.el8.noarch
955 python2-2.7.17-2.module_el8.3.0+478+7570e00c.x86_64
956 kmod-25-16.el8.x86_64
957 python3-pip-wheel-9.0.3-18.el8.noarch
958 lwl-module-postgresql-jdbc-42.2.17-1.noarch
959 fuse-2.9.7-12.el8.x86_64
960 python2-setuptools-wheel-39.0.1-12.module_el8.3.0+478+7570e00c.noarch
961 libreswan-3.32-7.el8_3.x86_64
962 perl-IO-HTML-1.001-11.module_el8.3.0+416+dee7bcef.noarch
963 mod_ssl-2.4.37-30.module_el8.3.0+561+97fdbbcc.x86_64
964 sharutils-4.15.2-11.el8.x86_64
965 perl-Convert-UU-0.5201-27.el8.noarch
966 python3-psutil-5.7.3-1.el8.x86_64
967 perl-macros-5.26.3-416.el8.x86_64
968 firewalld-filesystem-0.8.2-2.el8.noarch
969 sssd-nfs-idmap-2.3.0-9.el8.x86_64
970 gdk-pixbuf2-2.36.12-5.el8.x86_64
971 perl-constant-1.33-396.el8.noarch
972 libselinux-2.9-4.el8_3.x86_64
973 lwl-mentok-6.5.1-77381.x86_64
974 pixman-0.38.4-1.el8.x86_64
975 perl-Data-Dumper-2.167-399.el8.x86_64
976 sed-4.5-2.el8.x86_64
977 sssd-common-2.3.0-9.el8.x86_64
978 lwl-module-slf4j-1.7.30-1.noarch
979 sqlite-libs-3.26.0-11.el8.x86_64
980 perl-libwww-perl-6.34-1.module_el8.3.0+416+dee7bcef.noarch
981 crontabs-1.11-16.20150630git.el8.noarch
```

## Stratusphere Database Appliance Installed Packages

1 e2fsprogs-libs-1.45.6-1.el8.x86\_64

```
2 perl-IO-Tty-1.12-11.el8.x86_64
3 python3-decorator-4.2.1-2.el8.noarch
4 geolite2-city-20180605-1.el8.noarch
5 libselinux-utils-2.9-4.el8_3.x86_64
6 perl-Math-Complex-1.59-416.el8.noarch
7 nss-softokn-freebl-3.53.1-17.el8_3.x86_64
8 perl-Devel-GlobalDestruction-0.14-5.el8.noarch
9 ncurses-base-6.1-7.20180224.el8.noarch
10 libss-1.45.6-1.el8.x86_64
11 perl-Taint-Runtime-0.03-32.el8.x86_64
12 python3-libs-3.6.8-31.el8.x86_64
13 perl-File-ShareDir-1.104-3.el8.noarch
14 centos-logos-httdp-80.5-2.el8.noarch
15 libarchive-3.3.2-9.el8.x86_64
16 hostname-3.20-6.el8.x86_64
17 perl-Authen-SASL-2.16-13.el8.noarch
18 basesystem-11-5.el8.noarch
19 shadow-utils-4.6-11.el8.x86_64
20 jansson-2.11-3.el8.x86_64
21 perl-Pod-Perldoc-3.28-396.el8.noarch
22 libsepol-2.9-1.el8.x86_64
23 gnutls-3.6.14-8.el8_3.x86_64
24 libdatrie-0.2.9-7.el8.x86_64
25 perl-Date-Manip-6.60-2.el8.noarch
26 perl-libs-5.26.3-416.el8.x86_64
27 device-mapper-1.02.171-5.el8.x86_64
28 libnl3-3.5.0-1.el8.x86_64
29 grub2-tools-2.02-90.el8_3.1.x86_64
30 pkgconf-pkg-config-1.4.2-1.el8.x86_64
31 perl-DateTime-Locale-1.17-2.el8.noarch
32 audit-libs-3.0-0.17.20191104git1c2f876.el8.x86_64
33 libolv-0.7.11-1.el8.x86_64
34 libverto-0.3.0-5.el8.x86_64
35 which-2.21-12.el8.x86_64
36 perl-DBD-Pg-3.7.4-4.module_el8.3.0+426+0b4e9c0a.x86_64
37 perl-LDAP-0.66-7.el8.noarch
38 json-c-0.13.1-0.2.el8.x86_64
39 util-linux-user-2.32.1-24.el8.x86_64
40 cracklib-2.9.6-15.el8.x86_64
41 lm_sensors-libs-3.4.0-21.20180522git70f7e08.el8.x86_64
42 scap-security-guide-0.1.50-16.el8_3.noarch
43 openssl-pkcs11-0.4.10-2.el8.x86_64
44 libnfnetlink-1.0.1-13.el8.x86_64
```

```
45 authselect-1.2.1-2.el8.x86_64
46 libassuan-2.5.1-3.el8.x86_64
47 lwl-keyring-1.0.8-76766.noarch
48 libcollection-0.7.0-39.el8.x86_64
49 gnupg2-smime-2.2.20-2.el8.x86_64
50 pixman-0.38.4-1.el8.x86_64
51 python3-rpm-4.14.3-4.el8.x86_64
52 libicu-60.3-2.el8_1.x86_64
53 wget-1.19.5-10.el8.x86_64
54 shared-mime-info-1.9-3.el8.x86_64
55 ethtool-5.0-2.el8.x86_64
56 rpmdevtools-8.10-8.el8.noarch
57 perl-Net-HTTP-6.17-2.module_el8.3.0+416+dee7bcef.noarch
58 aide-0.16-14.el8.x86_64
59 fontconfig-2.13.1-3.el8.x86_64
60 gpg-pubkey-baadae52-49beffa4
61 libnetfilter_cttimeout-1.0.0-11.el8.x86_64
62 python3-psutil-5.7.3-1.el8.x86_64
63 cronie-1.5.2-4.el8.x86_64
64 cryptsetup-2.3.3-2.el8.x86_64
65 gdisk-1.0.3-6.el8.x86_64
66 sssd-nfs-idmap-2.3.0-9.el8.x86_64
67 fipscheck-lib-1.5.0-4.el8.x86_64
68 tzdata-2021a-1.el8.noarch
69 perl-Class-Singleton-1.5-9.el8.noarch
70 libsss_automount-2.3.0-9.el8.x86_64
71 perl-HTTP-Date-6.02-19.module_el8.3.0+416+dee7bcef.noarch
72 perl-Text-Tabs+Wrap-2013.0523-395.el8.noarch
73 numactl-libs-2.0.12-11.el8.x86_64
74 perl-NTLM-1.09-17.module_el8.3.0+416+dee7bcef.noarch
75 perl-interpreter-5.26.3-416.el8.x86_64
76 sudo-1.8.29-6.el8_3.1.x86_64
77 kbd-legacy-2.0.4-10.el8.noarch
78 perl-IO-Socket-IP-0.39-5.el8.noarch
79 lwl-console-2.0.0-77311.noarch
80 filesystem-3.8-3.el8.x86_64
81 perl-Sys-Syslog-0.35-397.el8.x86_64
82 kernel-4.18.0-240.22.1.el8_3.x86_64
83 sed-4.5-2.el8.x86_64
84 perl-Sub-Install-0.928-14.el8.noarch
85 microcode_ctl-20200609-2.20210216.1.el8_3.x86_64
86 libprelude-5.2.0-1.el8.x86_64
87 libgcrypt-1.8.5-4.el8.x86_64
```

```
88 perl>Email-Date-Format-1.005-11.el8.noarch
89 iprutils-2.4.19-1.el8.x86_64
90 nss-util-3.53.1-17.el8_3.x86_64
91 perl-Crypt-DES-2.07-19.1.el8.x86_64
92 perl-Mozilla-CA-20160104-7.module_el8.3.0+416+dee7bcef.noarch
93 mailx-12.5-29.el8.x86_64
94 libtdb-1.4.3-1.el8.x86_64
95 xmlsec1-openssl-1.2.25-4.el8.x86_64
96 libpcap-1.9.1-4.el8.x86_64
97 perl-JSON-2.97.001-2.el8.noarch
98 python3-dmidecode-3.12.2-15.el8.x86_64
99 dejavu-sans-mono-fonts-2.35-6.el8.noarch
100 remi-release-8.3-1.el8.remi.noarch
101 perl-Package-Generator-1.106-11.el8.noarch
102 publicsuffix-list-dafsa-20180723-1.el8.noarch
103 protobuf-3.5.0-13.el8.x86_64
104 perl-SelfLoader-1.23-416.el8.noarch
105 cntlm-0.92.3-1.x86_64
106 grub2-tools-minimal-2.02-90.el8_3.1.x86_64
107 perl-B-Hooks-EndOfScope-0.21-6.el8.noarch
108 fuse-common-3.2.1-12.el8.x86_64
109 grubby-8.40-41.el8.x86_64
110 tcl-8.6.8-2.el8.x86_64
111 crypto-policies-20210209-1.gitfb6bed.el8_3.noarch
112 elrepo-release-8.2-1.el8.elrepo.noarch
113 perl-Encode-2.97-3.el8.x86_64
114 ncurses-libs-6.1-7.20180224.el8.x86_64
115 systemd-libs-239-41.el8_3.2.x86_64
116 kbd-2.0.4-10.el8.x86_64
117 perl-IO-Compress-2.081-1.el8.noarch
118 info-6.5-6.el8.x86_64
119 rpm-libs-4.14.3-4.el8.x86_64
120 libpipeline-1.5.0-2.el8.x86_64
121 perl-namespace-autoclean-0.28-10.el8.noarch
122 iproute-5.3.0-5.el8.x86_64
123 perl-Convert-ASN1-0.27-17.el8.noarch
124 postgresql12-libs-12.6-1PGDG.rhel8.x86_64
125 perl-Mail-Sender-0.903-7.el8.noarch
126 openscap-scanner-1.3.3-6.el8_3.x86_64
127 perl-XML-LibXML-2.0132-2.el8.x86_64
128 libldb-2.1.3-3.el8_3.x86_64
129 libnsl2-1.2.0-2.20180605git4a062cf.el8.x86_64
130 gdbm-libs-1.18-1.el8.x86_64
```

```
131 nscd-2.28-127.el8.x86_64
132 selinux-policy-3.14.3-54.el8_3.2.noarch
133 grub2-tools-extra-2.02-90.el8_3.1.x86_64
134 kmod-libs-25-16.el8.x86_64
135 tnt-base-4.0.1-62018.noarch
136 libnetfilter_conntrack-1.0.6-5.el8.x86_64
137 python3-libdnf-0.48.0-5.el8.x86_64
138 rrdtool-1.7.0-16.el8.x86_64
139 libksba-1.3.5-7.el8.x86_64
140 python3-dnf-plugins-core-4.0.17-5.el8.noarch
141 gettext-0.19.8.1-17.el8.x86_64
142 zip-3.0-23.el8.x86_64
143 httpd-filesystem-2.4.37-30.module_el8.3.0+561+97fdbbcc.noarch
144 trousers-0.3.14-4.el8.x86_64
145 libdhash-0.5.0-39.el8.x86_64
146 libreswan-3.32-7.el8_3.x86_64
147 polkit-libs-0.115-11.el8.x86_64
148 lzo-2.08-14.el8.x86_64
149 httpd-tools-2.4.37-30.module_el8.3.0+561+97fdbbcc.x86_64
150 rootfiles-8.1-22.el8.noarch
151 patch-2.7.6-11.el8.x86_64
152 kernel-tools-4.18.0-240.22.1.el8_3.x86_64
153 python3-psycopg2-2.8.6-1.rhel8.x86_64
154 gpg-pubkey-5f11735a-5a58bcd7
155 libcap-ng-utils-0.7.9-5.el8.x86_64
156 pg_activity-2.1.3-1.rhel8.noarch
157 python3-setuptools-wheel-39.2.0-6.el8.noarch
158 graphite2-1.3.10-10.el8.x86_64
159 libqb-1.0.3-12.el8.x86_64
160 python2-pip-wheel-9.0.3-18.module_el8.3.0+478+7570e00c.noarch
161 perl-Package-Stash-XS-0.28-17.el8.x86_64
162 Imdb-libs-0.9.24-1.el8.x86_64
163 perl-HTTP-Message-6.18-1.module_el8.3.0+416+dee7bcef.noarch
164 perl-IO-1.38-416.el8.x86_64
165 munin-apache-2.0.66-1.el8.noarch
166 linux-firmware-20200619-101.git3890db36.el8_3.noarch
167 perl-Storable-3.11-3.el8.x86_64
168 lwl-db-setup-1.0.0-77258.noarch
169 usermode-1.113-1.el8.x86_64
170 dbus-common-1.12.8-12.el8_3.noarch
171 perl-Digest-MD5-2.55-396.el8.x86_64
172 open-vm-tools-11.1.0-2.el8.x86_64
173 python3-pyudev-0.21.0-7.el8.noarch
```

```
174 glibc-2.28-127.el8.x86_64
175 perl-Digest-SHA1-2.13-23.el8.x86_64
176 clamav-data-0.103.1-3.el8.noarch
177 libcom_err-1.45.6-1.el8.x86_64
178 perl-Date-ISO8601-0.005-2.el8.noarch
179 python3-libxml2-2.9.7-8.el8.x86_64
180 harfbuzz-1.7.5-3.el8.x86_64
181 libzstd-1.4.4-1.el8.x86_64
182 perl-Exception-Class-1.44-2.el8.noarch
183 libmodulemd1-1.8.16-0.2.9.4.2.x86_64
184 libsmartcols-2.32.1-24.el8.x86_64
185 perl-Params-Classify-0.015-2.el8.x86_64
186 perl-IO-Multiplex-1.16-9.el8.noarch
187 nettle-3.4.1-4.el8_3.x86_64
188 python3-policycoreutils-2.9-9.el8.noarch
189 perl-IPC-ShareLite-0.17-30.el8.x86_64
190 mailcap-2.1.48-3.el8.noarch
191 perl-MIME-Types-2.17-3.el8.noarch
192 dejavu-fonts-common-2.35-6.el8.noarch
193 python3-schedutils-0.6-6.el8.x86_64
194 perl-Math-BigRat-0.2614-1.el8.noarch
195 qt5-srpm-macros-5.12.5-3.el8.noarch
196 perl-Sub-Exporter-0.987-15.el8.noarch
197 perl-Devel-Caller-2.06-15.el8.x86_64
198 openblas-srpm-macros-2-2.el8.noarch
199 perl-Text-Balanced-2.03-395.el8.noarch
200 perl-Text-Unidecode-1.30-5.el8.noarch
201 libX11-common-1.6.8-3.el8.noarch
202 perl-Ref-Util-0.203-4.el8.noarch
203 ghc-srpm-macros-1.4.2-7.el8.noarch
204 guile-2.0.14-7.el8.x86_64
205 xml-common-0.6.3-50.el8.noarch
206 expect-5.45.4-5.el8.x86_64
207 less-530-1.el8.x86_64
208 perl-Digest-SHA-6.02-1.el8.x86_64
209 fribidi-1.0.4-8.el8.x86_64
210 perl-podlators-4.11-1.el8.noarch
211 libxcb-1.13.1-1.el8.x86_64
212 perl-URI-1.73-3.el8.noarch
213 libatomic_ops-7.6.2-3.el8.x86_64
214 xz-libs-5.2.4-3.el8.x86_64
215 tnt-libperlnt-1.5.0-65269.noarch
216 libestr-0.1.10-1.el8.x86_64
```

```
217 perl-Carp-1.42-396.el8.noarch
218 ipcalc-0.2.4-4.el8.x86_64
219 perl-Net-SMTP-SSL-1.04-5.el8.noarch
220 libini_config-1.3.1-39.el8.x86_64
221 popt-1.16-14.el8.x86_64
222 perl-namespace-clean-0.27-7.el8.noarch
223 libpkgconf-1.4.2-1.el8.x86_64
224 perl-Params-ValidationCompiler-0.27-1.el8.noarch
225 libsigsegv-2.11-5.el8.x86_64
226 perl-DateTime-TimeZone-2.19-1.el8.noarch
227 pcre-8.42-4.el8.x86_64
228 nspr-4.25.0-2.el8_2.x86_64
229 libidn2-2.2.0-1.el8.x86_64
230 perl-XML-SAX-1.00-1.el8.noarch
231 libacl-2.2.53-1.el8.x86_64
232 libyaml-0.1.7-5.el8.x86_64
233 perl-Module-Runtime-0.016-2.el8.noarch
234 perl-Text-ParseWords-3.30-395.el8.noarch
235 gettext-libs-0.19.8.1-17.el8.x86_64
236 perl-Term-ANSIColor-4.06-396.el8.noarch
237 keyutils-libs-1.5.10-6.el8.x86_64
238 tmpwatch-2.11-14.el8.x86_64
239 groff-base-1.22.3-18.el8.x86_64
240 pango-1.42.4-6.el8.x86_64
241 ed-1.14.2-4.el8.x86_64
242 unzip-6.0-43.el8.x86_64
243 lwl-base-appliance-vmware-8.0-master.9960ee9.noarch
244 hdparm-9.54-2.el8.x86_64
245 kernel-4.18.0-193.19.1.el8_2.x86_64
246 python3-six-1.11.0-8.el8.noarch
247 polkit-0.115-11.el8.x86_64
248 p11-kit-trust-0.23.14-5.el8_0.x86_64
249 prefixdevname-0.1.0-6.el8.x86_64
250 lsscsi-0.30-1.el8.x86_64
251 gpg-pubkey-8483c65d-5ccc5b19
252 fuse-2.9.7-12.el8.x86_64
253 gpg-pubkey-00f97f56-467e318a
254 kernel-core-4.18.0-193.19.1.el8_2.x86_64
255 gpg-pubkey-4c21a808-5e4a9a41
256 iutils-20180629-2.el8.x86_64
257 libcomps-0.1.11-4.el8.x86_64
258 libgcc-8.3.1-5.1.el8.x86_64
259 sharutils-4.15.2-11.el8.x86_64
```

260 perl-Encode-Locale-1.05-10.module\_el8.3.0+416+dee7bcef.noarch  
261 python2-setuptools-wheel-39.0.1-12.module\_el8.3.0+478+7570e00c.noarch  
262 perl-Net-CIDR-0.20-1.el8.noarch  
263 perl-Try-Tiny-0.30-7.module\_el8.3.0+416+dee7bcef.noarch  
264 perl-Errno-1.28-416.el8.x86\_64  
265 perl-IO-HTML-1.001-11.module\_el8.3.0+416+dee7bcef.noarch  
266 perl-File-Path-2.15-2.el8.noarch  
267 perl-HTML-Tagset-3.20-34.module\_el8.3.0+416+dee7bcef.noarch  
268 perl-threads-2.21-2.el8.x86\_64  
269 perl-Convert-UU-0.5201-27.el8.noarch  
270 pg\_top12-3.7.0-5.rhel8.2.x86\_64  
271 perl-File-Temp-0.230.600-1.el8.noarch  
272 dnf-data-4.2.23-4.el8.noarch  
273 timedatex-0.5-3.el8.x86\_64  
274 dhcp-common-4.3.6-41.el8.noarch  
275 chkrootkit-0.50-4el7.x86\_64  
276 perl-Digest-1.17-395.el8.noarch  
277 centos-linux-release-8.3-1.2011.el8.noarch  
278 python3-configobj-5.0.6-11.el8.noarch  
279 perl-Socket6-0.28-6.el8.x86\_64  
280 pcre2-10.32-2.el8.x86\_64  
281 tmux-2.7-1.el8.x86\_64  
282 perl-Mail-Sendmail-0.80-4.el8.noarch  
283 glibc-langpack-en-2.28-127.el8.x86\_64  
284 perl-Devel-StackTrace-2.03-2.el8.noarch  
285 elfutils-libelf-0.180-1.el8.x86\_64  
286 perl-XML-SAX-Base-1.09-4.el8.noarch  
287 chkconfig-1.13-2.el8.x86\_64  
288 perl-HTML-Template-2.97-10.el8.noarch  
289 expat-2.2.5-4.el8.x86\_64  
290 irqbalance-1.4.0-4.el8.x86\_64  
291 perl-Class-Data-Inheritable-0.08-27.el8.noarch  
292 grub2-common-2.02-90.el8\_3.1.noarch  
293 apr-util-1.6.1-6.el8.x86\_64  
294 perl-Compress-Raw-Bzip2-2.081-1.el8.x86\_64  
295 tnt-tools-1.5.5-77171.x86\_64  
296 ldns-1.7.0-21.el8.x86\_64  
297 perl-Devel-CallChecker-0.008-3.el8.x86\_64  
298 libseccomp-2.4.3-1.el8.x86\_64  
299 perl-Error-0.17025-2.el8.noarch  
300 iptables-libs-1.8.4-15.el8\_3.3.x86\_64  
301 pciutils-libs-3.6.4-2.el8.x86\_64  
302 pciutils-3.6.4-2.el8.x86\_64

```
303 grub2-pc-modules-2.02-90.el8_3.1.noarch
304 snappy-1.1.8-3.el8.x86_64
305 kernel-tools-libs-4.18.0-240.22.1.el8_3.x86_64
306 platform-python-pip-9.0.3-18.el8.noarch
307 libssh-0.9.4-2.el8.x86_64
308 libkapi-1.2.0-2.el8.x86_64
309 curl-7.61.1-14.el8_3.1.x86_64
310 openssl-libs-1.1.1g-15.el8_3.x86_64
311 pam-1.3.1-11.el8.x86_64
312 dbus-libs-1.12.8-12.el8_3.x86_64
313 dbus-daemon-1.12.8-12.el8_3.x86_64
314 elfutils-default-yama-scope-0.180-1.el8.noarch
315 elfutils-debuginfod-client-0.180-1.el8.x86_64
316 systemd-pam-239-41.el8_3.2.x86_64
317 systemd-239-41.el8_3.2.x86_64
318 libmodulemd-2.9.4-2.el8.x86_64
319 clamav-lib-0.103.1-3.el8.x86_64
320 postgresql12-12.6-1PGDG.rhel8.x86_64
321 munin-common-2.0.66-1.el8.noarch
322 openssh-8.0p1-5.el8.x86_64
323 rsyslog-8.1911.0-6.el8.x86_64
324 rsyslog-gnutls-8.1911.0-6.el8.x86_64
325 kernel-modules-4.18.0-240.22.1.el8_3.x86_64
326 oddjob-0.34.5-3.el8.x86_64
327 sysstat-11.7.3-5.el8.x86_64
328 selinux-policy-targeted-3.14.3-54.el8_3.2.noarch
329 elfutils-0.180-1.el8.x86_64
330 dhcp-libs-4.3.6-41.el8.x86_64
331 gpgme-1.13.1-3.el8.x86_64
332 python3-hawkey-0.48.0-5.el8.x86_64
333 python3-dnf-4.2.23-4.el8.noarch
334 dnf-plugins-core-4.0.17-5.el8.noarch
335 python2-setuptools-39.0.1-12.module_el8.3.0+478+7570e00c.noarch
336 binutils-2.30-79.el8.x86_64
337 nss-sysinit-3.53.1-17.el8_3.x86_64
338 openssl-1.1.1g-15.el8_3.x86_64
339 dhcp-client-4.3.6-41.el8.x86_64
340 httpd-2.4.37-30.module_el8.3.0+561+97fdbbcc.x86_64
341 python3-humanize-0.5.1-13.el8.noarch
342 python3-gobject-base-3.28.3-2.el8.x86_64
343 python3-pip-9.0.3-18.el8.noarch
344 python3-syspurpose-1.27.16-1.el8.x86_64
345 dmidecode-3.2-6.el8.x86_64
```

346 usbguard-selinux-0.7.8-7.el8.noarch  
347 sssd-client-2.3.0-9.el8.x86\_64  
348 fapolicyd-1.0-3.el8\_3.4.x86\_64  
349 perl-HTML-Parser-3.72-15.module\_el8.3.0+416+dee7bcef.x86\_64  
350 munin-2.0.66-1.el8.noarch  
351 lwl-munin-1.0.0-77392.noarch  
352 lwl-db-config-1.0.8-5.noarch  
353 tnt-setup-vmware-1.8.2-77499.noarch  
354 yum-4.2.23-4.el8.noarch  
355 python3-setools-4.3.0-2.el8.x86\_64  
356 network-scripts-10.00.9-1.el8.x86\_64  
357 grub2-tools-efi-2.02-90.el8\_3.1.x86\_64  
358 libXft-2.3.3-1.el8.x86\_64  
359 libXau-1.0.9-3.el8.x86\_64  
360 libnetfilter\_queue-1.0.4-3.el8.x86\_64  
361 apr-1.6.3-11.el8.x86\_64  
362 perl-Net-Server-2.009-3.el8.noarch  
363 python3-audit-3.0-0.17.20191104git1c2f876.el8.x86\_64  
364 tar-1.30-5.el8.x86\_64  
365 perl-Cache-Cache-1.08-15.el8.noarch  
366 python3-libcomps-0.1.11-4.el8.x86\_64  
367 fontpackages-filesystem-1.44-22.el8.noarch  
368 perl-MIME-Lite-3.030-16.el8.noarch  
369 rust-srpm-macros-5-2.el8.noarch  
370 perl-bignum-0.49-2.el8.noarch  
371 perl-Sub-Exporter-Progressive-0.001013-5.el8.noarch  
372 perl-srpm-macros-1-25.el8.noarch  
373 perl-Devel-LexAlias-0.05-16.el8.x86\_64  
374 lwl-base-appliance-8.0-master.9960ee9.noarch  
375 perl-Sub-Identify-0.14-6.el8.x86\_64  
376 perl-Text-Soundex-3.05-8.el8.x86\_64  
377 go-srpm-macros-2-16.el8.noarch  
378 perl-Class-Inspector-1.32-2.el8.noarch  
379 emacs-filesystem-26.1-5.el8.noarch  
380 xdelta-3.1.0-4.el8.x86\_64  
381 efi-srpm-macros-3-2.el8.noarch  
382 c-ares-1.13.0-5.el8.x86\_64  
383 hardlink-1.3-6.el8.x86\_64  
384 perl-Getopt-Long-2.50-4.el8.noarch  
385 libX11-1.6.8-3.el8.x86\_64  
386 perl-HTTP-Tiny-0.074-1.el8.noarch  
387 gc-7.6.4-3.el8.x86\_64  
388 perl-DBI-1.641-3.module\_el8.1.0+199+8f0a6bbd.x86\_64

389 libxcrypt-4.1.1-4.el8.x86\_64  
390 libfastjson-0.99.8-2.el8.x86\_64  
391 perl-Scalar-List-Utils-1.49-2.el8.x86\_64  
392 libmspack-0.7-0.3.alpha.el8.4.x86\_64  
393 libpciaccess-0.14-1.el8.x86\_64  
394 perl-Package-Stash-0.37-9.el8.noarch  
395 pkgconf-1.4.2-1.el8.x86\_64  
396 perl-Eval-Closure-0.14-5.el8.noarch  
397 readline-7.0-10.el8.x86\_64  
398 gawk-4.2.1-1.el8.x86\_64  
399 perl-DateTime-1.50-1.el8.x86\_64  
400 findutils-4.6.0-20.el8.x86\_64  
401 libsysfs-2.1.0-24.el8.x86\_64  
402 lua-libs-5.3.4-11.el8.x86\_64  
403 perl-CGI-Fast-2.15-3.el8.noarch  
404 perl-Log-Dispatch-FileRotate-1.36-1.el8.noarch  
405 libunistring-0.9.9-3.el8.x86\_64  
406 perl-Log-Log4perl-1.50-1.el8.noarch  
407 libattr-2.4.48-3.el8.x86\_64  
408 gzip-1.9-9.el8.x86\_64  
409 p11-kit-0.23.14-5.el8\_0.x86\_64  
410 npth-1.5-4.el8.x86\_64  
411 diffutils-3.6-6.el8.x86\_64  
412 libcroco-0.6.12-4.el8\_2.1.x86\_64  
413 libutempter-1.1.6-14.el8.x86\_64  
414 libref\_array-0.1.5-39.el8.x86\_64  
415 libpwquality-1.4.0-9.el8.x86\_64  
416 xmlsec1-1.2.25-4.el8.x86\_64  
417 os-prober-1.74-6.el8.x86\_64  
418 cairo-1.15.12-3.el8.x86\_64  
419 mpfr-3.1.6-1.el8.x86\_64  
420 sg3\_utils-libs-1.44-5.el8.x86\_64  
421 perl-FCGI-0.78-11.module\_el8.1.0+205+ccfc4274.x86\_64  
422 glib2-2.56.4-8.el8.x86\_64  
423 lwl-db-server-1.0.5-2.noarch  
424 cpio-2.12-8.el8.x86\_64  
425 fuse-libs-2.9.7-12.el8.x86\_64  
426 libnnghttp2-1.41.0-1.module\_el8+9071+b2b61c14.x86\_64  
427 policycoreutils-2.9-9.el8.x86\_64  
428 libtasn1-4.13-3.el8.x86\_64  
429 polkit-pkla-compat-0.1-12.el8.x86\_64  
430 ncurses-6.1-7.20180224.el8.x86\_64  
431 gpg-pubkey-442df0f8-4783f24a

432 gpg-pubkey-846a40cd-5f7b444a  
433 libnftnl-1.1.5-4.el8.x86\_64  
434 crontabs-1.11-16.20150630git.el8.noarch  
435 gpg-pubkey-bbae6f1b-5c790651  
436 dwz-0.12-9.el8.x86\_64  
437 dbus-glib-0.110-2.el8.x86\_64  
438 lwl-config-utils-1.0.0-77464.noarch  
439 python3-dbus-1.2.4-15.el8.x86\_64  
440 perl-LWP-MediaTypes-6.02-15.module\_el8.3.0+416+dee7bcef.noarch  
441 python3-rpm-macros-3-39.el8.noarch  
442 perl-MRO-Compat-0.13-4.el8.noarch  
443 parted-3.2-38.el8.x86\_64  
444 perl-WWW-RobotRules-6.02-18.module\_el8.3.0+416+dee7bcef.noarch  
445 perl-macros-5.26.3-416.el8.x86\_64  
446 perl-File-Listing-6.04-17.module\_el8.3.0+416+dee7bcef.noarch  
447 perl-Unicode-Normalize-1.25-396.el8.x86\_64  
448 perl-HTTP-Negotiate-6.01-19.module\_el8.3.0+416+dee7bcef.noarch  
449 perl-constant-1.33-396.el8.noarch  
450 perl-Data-Dump-1.23-7.module\_el8.3.0+416+dee7bcef.noarch  
451 perl-MIME-Base64-3.15-396.el8.x86\_64  
452 pgtnue-0.9.3-12.da57e00.el7.noarch  
453 libreport-filesystem-2.9.5-15.el8.x86\_64  
454 perl-Data-Dumper-2.167-399.el8.x86\_64  
455 chrony-3.5-1.el8.x86\_64  
456 firewalld-filesystem-0.8.2-2.el8.noarch  
457 perl-Module-Implementation-0.09-15.el8.noarch  
458 centos-linux-repos-8-2.el8.noarch  
459 python3-dateutil-2.6.1-6.el8.noarch  
460 libselinux-2.9-4.el8\_3.x86\_64  
461 perl-version-0.99.24-1.el8.x86\_64  
462 audit-3.0-0.17.20191104git1c2f876.el8.x86\_64  
463 glibc-common-2.28-127.el8.x86\_64  
464 libcap-2.26-4.el8.x86\_64  
465 perl-XML-NamespaceSupport-1.12-4.el8.noarch  
466 libstdc++-8.3.1-5.1.el8.x86\_64  
467 gobject-introspection-1.56.1-1.el8.x86\_64  
468 sqlite-libs-3.26.0-11.el8.x86\_64  
469 file-5.33-16.el8\_3.1.x86\_64  
470 perl-Role-Tiny-2.000006-2.el8.noarch  
471 apr-util-bdb-1.6.1-6.el8.x86\_64  
472 libxslt-1.1.32-5.el8.x86\_64  
473 perl-DynaLoader-Functions-0.003-2.el8.noarch  
474 libffi-3.1-22.el8.x86\_64

475 perl-Daemontools-0.126-1.el8.noarch  
476 lz4-libs-1.8.3-2.el8.x86\_64  
477 libpsl-0.20.2-6.el8.x86\_64  
478 psmisc-23.1-5.el8.x86\_64  
479 iptables-1.8.4-15.el8\_3.3.x86\_64  
480 libsecret-0.18.6-1.el8.x86\_64  
481 zstd-1.4.4-1.el8.x86\_64  
482 memstrtrack-0.1.11-1.el8.x86\_64  
483 platform-python-setuptools-39.2.0-6.el8.noarch  
484 openldap-2.4.46-15.el8.x86\_64  
485 libkcapi-hmaccalc-1.2.0-2.el8.x86\_64  
486 libcurl-7.61.1-14.el8\_3.1.x86\_64  
487 coreutils-8.30-8.el8.x86\_64  
488 libblkid-2.32.1-24.el8.x86\_64  
489 procps-ng-3.3.15-3.el8.x86\_64  
490 libfdisk-2.32.1-24.el8.x86\_64  
491 kpartx-0.8.4-5.el8.x86\_64  
492 elfutils-libs-0.180-1.el8.x86\_64  
493 dracut-049-95.git20200804.el8\_3.4.x86\_64  
494 systemd-udev-239-41.el8\_3.2.x86\_64  
495 libpq5-13.2-10PGDG.rhel8.x86\_64  
496 clamav-update-0.103.1-3.el8.x86\_64  
497 postgresql12-server-12.6-1PGDG.rhel8.x86\_64  
498 unbound-libs-1.7.3-14.el8.x86\_64  
499 openssh-server-8.0p1-5.el8.x86\_64  
500 libsss\_certmap-2.3.0-9.el8.x86\_64  
501 openssh-clients-8.0p1-5.el8.x86\_64  
502 clamav-0.103.1-3.el8.x86\_64  
503 oddjob-mkhomedir-0.34.5-3.el8.x86\_64  
504 dracut-squash-049-95.git20200804.el8\_3.4.x86\_64  
505 rpm-plugin-systemd-inhibit-4.14.3-4.el8.x86\_64  
506 libbabeltrace-1.5.4-3.el8.x86\_64  
507 libusb-1.0.23-4.el8.x86\_64  
508 librepo-1.12.0-2.el8.x86\_64  
509 rpm-build-libs-4.14.3-4.el8.x86\_64  
510 dnf-4.2.23-4.el8.noarch  
511 yum-utils-4.0.17-5.el8.noarch  
512 python2-2.7.17-2.module\_el8.3.0+478+7570e00c.x86\_64  
513 rpm-build-4.14.3-4.el8.x86\_64  
514 nss-3.53.1-17.el8\_3.x86\_64  
515 perl-IO-Socket-SSL-2.066-4.module\_el8.3.0+410+ff426aa3.noarch  
516 dracut-network-049-95.git20200804.el8\_3.4.x86\_64  
517 mod\_http2-1.15.7-2.module\_el8.3.0+477+498bb568.x86\_64

```
518 python3-wcwidth-0.2.4-1.el8.noarch
519 python3-linux-procfs-0.6.2-2.el8.noarch
520 python36-3.6.8-2.module_el8.3.0+562+e162826a.x86_64
521 libnfsidmap-2.3.3-35.el8.x86_64
522 vs-helper-6.5.1-2.x86_64
523 usbguard-0.7.8-7.el8.x86_64
524 libsss_sudo-2.3.0-9.el8.x86_64
525 fapolicyd-selinux-1.0-3.el8_3.4.noarch
526 perl-libwww-perl-6.34-1.module_el8.3.0+416+dee7bcef.noarch
527 vim-minimal-8.0.1763-15.el8.x86_64
528 lwl-hub-munin-postgresql-1.0.1-77358.noarch
529 lwl-db-config-systemd-1.0.8-5.noarch
530 tuned-2.14.0-3.el8_3.1.noarch
531 grub2-pc-2.02-90.el8_3.1.x86_64
532 postgresql12-contrib-12.6-1PGDG.rhel8.x86_64
533 iptables-services-1.8.4-15.el8_3.3.x86_64
534 xfsprogs-5.0.0-4.el8.x86_64
535 lshw-B.02.19.2-2.el8.x86_64
536 libXext-1.3.4-1.el8.x86_64
537 lsof-4.93.2-1.el8.x86_64
538 brotli-1.0.6-2.el8.x86_64
539 perl-IPC-SysV-2.07-397.el8.x86_64
540 xkeyboard-config-2.28-1.el8.noarch
541 epel-release-8-10.el8.noarch
542 perl-NetAddr-IP-4.079-7.el8.x86_64
543 virt-what-1.18-6.el8.x86_64
544 pkgconf-m4-1.4.2-1.el8.noarch
545 pinentry-1.1.0-2.el8.x86_64
546 perl-Pod-Escapes-1.07-395.el8.noarch
547 cyrus-sasl-lib-2.1.27-5.el8.x86_64
548 perl-Variable-Magic-0.62-3.el8.x86_64
549 platform-python-3.6.8-31.el8.x86_64
550 pigz-2.4-4.el8.x86_64
551 crypto-policies-scripts-20210209-1.gitbfb6bed.el8_3.noarch
552 checkpolicy-2.9-1.el8.x86_64
553 perl-Pod-Simple-3.35-395.el8.noarch
554 libmount-2.32.1-24.el8.x86_64
555 libXrender-0.9.10-7.el8.x86_64
556 perl-libnet-3.11-3.el8.noarch
557 bzip2-libs-1.0.6-26.el8.x86_64
558 util-linux-2.32.1-24.el8.x86_64
559 libipt-1.6.1-8.el8.x86_64
560 perl-Net-SNMP-6.0.1-25.el8.1.noarch
```

561 perl-parent-0.237-1.el8.noarch  
562 rpm-4.14.3-4.el8.x86\_64  
563 perltidy-20180220-1.el8.noarch  
564 libpgp-error-1.31-1.el8.x86\_64  
565 initscripts-10.00.9-1.el8.x86\_64  
566 libmnl-1.0.4-6.el8.x86\_64  
567 perl-Net-SSLeay-1.88-1.module\_el8.3.0+410+ff426aa3.x86\_64  
568 perl-Log-Dispatch-2.68-1.el8.noarch  
569 openscap-1.3.3-6.el8\_3.x86\_64  
570 libtool-ltdl-2.4.6-25.el8.x86\_64  
571 python3-libselinux-2.9-4.el8\_3.x86\_64  
572 libtirpc-1.1.4-4.el8.x86\_64  
573 authselect-libs-1.2.1-2.el8.x86\_64  
574 rpm-plugin-selinux-4.14.3-4.el8.x86\_64  
575 libpng-1.6.34-5.el8.x86\_64  
576 gdb-headless-8.2-12.el8.x86\_64  
577 kmod-25-16.el8.x86\_64  
578 gdbm-1.18-1.el8.x86\_64  
579 libdnf-0.48.0-5.el8.x86\_64  
580 rrdtool-perl-1.7.0-16.el8.x86\_64  
581 libmetalink-0.1.3-7.el8.x86\_64  
582 dnf-automatic-4.2.23-4.el8.noarch  
583 python2-libs-2.7.17-2.module\_el8.3.0+478+7570e00c.x86\_64  
584 libedit-3.1-23.20170329cvs.el8.x86\_64  
585 nss-tools-3.53.1-17.el8\_3.x86\_64  
586 libuser-0.62-23.el8.x86\_64  
587 rng-tools-6.8-3.el8.x86\_64  
588 squashfs-tools-4.3-19.el8.x86\_64  
589 kexec-tools-2.0.20-34.el8\_3.1.x86\_64  
590 gpg-pubkey-2f86d6a1-5cf7cefb  
591 python3-blessed-1.17.10-1.el8.noarch  
592 gpg-pubkey-0364b949-58bd2928  
593 bc-1.07.1-5.el8.x86\_64  
594 pg\_partman\_12-4.4.1-1.rhel8.x86\_64  
595 GConf2-3.2.6-22.el8.x86\_64  
596 python3-pip-wheel-9.0.3-18.el8.noarch  
597 mozjs60-60.9.0-4.el8.x86\_64  
598 libdrm-2.4.101-1.el8.x86\_64  
599 ima-evm-utils-1.1-5.el8.x86\_64  
600 python-srpm-macros-3-39.el8.noarch  
601 perl-Ref-Util-XS-0.117-2.el8.x86\_64  
602 sssd-common-2.3.0-9.el8.x86\_64  
603 perl-HTTP-Cookies-6.04-2.module\_el8.3.0+416+dee7bcef.noarch

604 perl-PathTools-3.74-1.el8.x86\_64  
605 munin-node-2.0.66-1.el8.noarch  
606 libssh-config-0.9.4-2.el8.noarch  
607 perl-Time-Local-1.280-1.el8.noarch  
608 pgdg-redhat-repo-42.0-15.noarch  
609 passwd-0.80-3.el8.x86\_64  
610 centos-gpg-keys-8-2.el8.noarch  
611 perl-Compress-Raw-Zlib-2.081-1.el8.x86\_64  
612 sssd-kcm-2.3.0-9.el8.x86\_64  
613 bash-4.4.19-12.el8.x86\_64  
614 postgresql12-plperl-12.6-1PGDG.rhel8.x86\_64  
615 libxml2-2.9.7-8.el8.x86\_64  
616 perl-Data-OptList-0.110-6.el8.noarch  
617 e2fsprogs-1.45.6-1.el8.x86\_64  
618 file-libs-5.33-16.el8\_3.1.x86\_64  
619 perl-Class-Method-Modifiers-2.12-8.el8.noarch  
620 libmaxminddb-1.2.0-10.el8.x86\_64  
621 libevent-0.10.2-2.el8.x86\_64  
622 perl-DateTime-TimeZone-SystemV-0.010-3.el8.noarch  
623 freetype-2.9.1-4.el8\_3.1.x86\_64  
624 perl-Expect-1.35-10.el8.noarch  
625 policycoreutils-python-utils-2.9-9.el8.noarch  
626 geolite2-country-20180605-1.el8.noarch  
627 libsss\_idmap-2.3.0-9.el8.x86\_64  
628 perl-Math-BigInt-1.9998.11-7.el8.noarch  
629 nss-softokn-3.53.1-17.el8\_3.x86\_64  
630 perl-PadWalker-2.3-2.el8.x86\_64  
631 ocaml-srpm-macros-5-4.el8.noarch  
632 coreutils-common-8.30-8.el8.x86\_64  
633 perl-Term-Cap-1.17-395.el8.noarch  
634 mod\_fcgid-2.3.9-16.el8.x86\_64  
635 krb5-libs-1.18.2-5.el8.x86\_64  
636 bzip2-1.0.6-26.el8.x86\_64  
637 libdb-utils-5.3.28-39.el8.x86\_64  
638 perl-GSSAPI-0.28-23.el8.x86\_64  
639 libdb-5.3.28-39.el8.x86\_64  
640 perl-Pod-Usage-1.69-395.el8.noarch  
641 dbus-tools-1.12.8-12.el8\_3.x86\_64  
642 libthai-0.1.27-2.el8.x86\_64  
643 perl-Exporter-5.72-396.el8.noarch  
644 device-mapper-libs-1.02.171-5.el8.x86\_64  
645 libpath\_utils-0.2.1-39.el8.x86\_64  
646 perl-MailTools-2.20-2.el8.noarch

647 dbus-1.12.8-12.el8\_3.x86\_64  
648 perl-Specio-0.42-2.el8.noarch  
649 libcap-ng-0.7.9-5.el8.x86\_64  
650 clamav-filesystem-0.103.1-3.el8.noarch  
651 libxkbcommon-0.9.1-1.el8.x86\_64  
652 perl-CGI-4.38-2.el8.noarch  
653 grep-3.1-6.el8.x86\_64  
654 kernel-core-4.18.0-240.22.1.el8\_3.x86\_64  
655 gmp-6.1.2-10.el8.x86\_64  
656 logrotate-3.14.0-4.el8.x86\_64  
657 cracklib-dicts-2.9.6-15.el8.x86\_64  
658 python3-unbound-1.7.3-14.el8.x86\_64  
659 perl-Time-HiRes-1.9758-1.el8.x86\_64  
660 authselect-compat-1.2.1-2.el8.x86\_64  
661 xz-5.2.4-3.el8.x86\_64  
662 redhat-rpm-config-123-1.el8.noarch  
663 ca-certificates-2020.2.41-80.0.el8\_2.noarch  
664 libbasicobjects-0.1.1-39.el8.x86\_64  
665 gnupg2-2.2.20-2.el8.x86\_64  
666 acl-2.2.53-1.el8.x86\_64  
667 python3-gpg-1.13.1-3.el8.x86\_64  
668 trousers-lib-0.3.14-4.el8.x86\_64  
669 python2-pip-9.0.3-18.module\_el8.3.0+478+7570e00c.noarch  
670 sg3\_utils-1.44-5.el8.x86\_64  
671 openscap-utils-1.3.3-6.el8\_3.x86\_64  
672 libevent-2.1.8-5.el8.x86\_64  
673 pg\_jobmon12-1.3.3-2.rhel8.1.noarch  
674 bind-export-libs-9.11.20-5.el8\_3.1.x86\_64  
675 man-db-2.7.6.1-17.el8.x86\_64  
676 python3-attrs-17.4.0-6.el8.noarch  
677 lwl-ssl-cert-1.0.0-75147.noarch  
678 gpg-pubkey-5ba5fa8d-5ccc6012  
679 libnetfilter\_cthelper-1.0.0-15.el8.x86\_64  
680 python3-setuptools-39.2.0-6.el8.noarch  
681 crontie-anacron-1.5.2-4.el8.x86\_64  
682 cryptsetup-libs-2.3.3-2.el8.x86\_64  
683 audispd-plugins-3.0-0.17.20191104git1c2f876.el8.x86\_64  
684 fipscheck-1.5.0-4.el8.x86\_64  
685 hwdata-0.314-8.6.el8.noarch  
686 libsss\_nss\_idmap-2.3.0-9.el8.x86\_64  
687 perl-TimeDate-2.30-15.module\_el8.3.0+416+dee7bcef.noarch  
688 perl-Socket-2.027-3.el8.x86\_64  
689 python3-perf-4.18.0-240.22.1.el8\_3.x86\_64

```
690 kernel-modules-4.18.0-193.19.1.el8_2.x86_64
691 perl-Digest-HMAC-1.03-17.module_el8.3.0+416+dee7bcef.noarch
692 perl-threads-shared-1.58-2.el8.x86_64
693 tnt-setup-1.8.2-77499.noarch
694 kbd-misc-2.0.4-10.el8.noarch
695 perl-Dist-CheckConflicts-0.11-11.el8.noarch
696 tnt-release-6.5.1-1_202105270949.noarch
697 setup-2.12.2-6.el8.noarch
698 perl-IO-Socket-INET6-2.72-12.el8.noarch
699 python3-libsemanage-2.9-3.el8.x86_64
700 conntrack-tools-1.4.4-10.el8.x86_64
701 zlib-1.2.11-16.2.el8_3.x86_64
702 perl-Params-Util-1.07-22.el8.x86_64
703 net-tools-2.0-0.52.20160912git.el8.x86_64
704 libuuid-2.32.1-24.el8.x86_64
705 perl-Params-Validate-1.29-5.el8.x86_64
706 libgomp-8.3.1-5.1.el8.x86_64
707 apr-util-openssl-1.6.1-6.el8.x86_64
708 libtalloc-2.3.1-2.el8.x86_64
709 gpg-pubkey-478f8947-5ff329c5
710 libsemanage-2.9-3.el8.x86_64
711 perl-File-Copy-Recursive-0.40-3.el8.noarch
```

## Stratusphere Collector Appliance Installed Packages

```
1 lwl-module-scheduler-0.12-1.noarch
2 perl-DynaLoader-Functions-0.003-2.el8.noarch
3 perl-Net-HTTP-6.17-2.module_el8.3.0+416+dee7bcef.noarch
4 kernel-modules-4.18.0-193.19.1.el8_2.x86_64
5 ncurses-base-6.1-7.20180224.el8.noarch
6 lwl-module-ung-0.11-1.noarch
7 perl-IO-Multiplex-1.16-9.el8.noarch
8 clamav-0.103.1-3.el8.x86_64
9 python3-psycopg2-2.8.6-1.rhel8.x86_64
10 yajl-2.1.0-10.el8.x86_64
11 perl-List-MoreUtils-XS-0.428-3.el8.x86_64
12 authselect-1.2.1-2.el8.x86_64
13 perl-srpm-macros-1-25.el8.noarch
14 perl-NetAddr-IP-4.079-7.el8.x86_64
15 lwl-keyring-1.0.8-76766.noarch
16 lwl-collector-common-1.0.0-76633.noarch
17 perl-Pod-Escapes-1.07-395.el8.noarch
18 libusbx-1.0.23-4.el8.x86_64
```

```
19 irqbalance-1.4.0-4.el8.x86_64
20 emacs-filesystem-26.1-5.el8.noarch
21 perl-Variable-Magic-0.62-3.el8.x86_64
22 rpm-build-libs-4.14.3-4.el8.x86_64
23 p7zip-9.20.1-2.el5.x86_64
24 dnf-plugins-core-4.0.17-5.el8.noarch
25 gpg-pubkey-2f86d6a1-5cf7cefb
26 tcl-8.6.8-2.el8.x86_64
27 rpmdevtools-8.10-8.el8.noarch
28 python3-libcomps-0.1.11-4.el8.x86_64
29 libxcrypt-4.1.1-4.el8.x86_64
30 gpg-pubkey-bbae6f1b-5c790651
31 lwl-module-apache-common-collections-4.4-2.noarch
32 java-1.8.0-openjdk-devel-1.8.0.282.b08-2.el8_3.x86_64
33 hwdata-0.314-8.6.el8.noarch
34 jbigkit-libs-2.1-14.el8.x86_64
35 httpd-tools-2.4.37-30.module_el8.3.0+561+97fdbbcc.x86_64
36 readline-7.0-10.el8.x86_64
37 perl-TimeDate-2.30-15.module_el8.3.0+416+dee7bcef.noarch
38 libXfixes-5.0.3-7.el8.x86_64
39 python3-pip-9.0.3-18.el8.noarch
40 guile-2.0.14-7.el8.x86_64
41 grep-3.1-6.el8.x86_64
42 perl-Digest-HMAC-1.03-17.module_el8.3.0+416+dee7bcef.noarch
43 gc-7.6.4-3.el8.x86_64
44 libnetfilter_queue-1.0.4-3.el8.x86_64
45 apache-commons-cli-1.4-4.module_el8.0.0+39+6a9b6e22.noarch
46 libidn2-2.2.0-1.el8.x86_64
47 dnf-data-4.2.23-4.el8.noarch
48 libmspack-0.7-0.3.alpha.el8.4.x86_64
49 sssd-common-2.3.0-9.el8.x86_64
50 perl-GSSAPI-0.28-23.el8.x86_64
51 centos-linux-release-8.3-1.2011.el8.noarch
52 xorg-x11-font-utils-7.5-40.el8.x86_64
53 perl-libwww-perl-6.34-1.module_el8.3.0+416+dee7bcef.noarch
54 perl-Pod-Usage-1.69-395.el8.noarch
55 libjpeg-turbo-1.5.3-10.el8.x86_64
56 glibc-langpack-en-2.28-127.el8.x86_64
57 libverto-0.3.0-5.el8.x86_64
58 lwl-console-2.0.0-77311.noarch
59 libxml2-2.9.7-8.el8.x86_64
60 tnt-common-java-deps-3.0.16-1.noarch
61 perl-MailTools-2.20-2.el8.noarch
```

```
62 ed-1.14.2-4.el8.x86_64
63 expat-2.2.5-4.el8.x86_64
64 cracklib-2.9.6-15.el8.x86_64
65 lwl-module-domain-model-0.16-1.noarch
66 perl-Specio-0.42-2.el8.noarch
67 lm_sensors-libs-3.4.0-21.20180522git70f7e08.el8.x86_64
68 libXext-1.3.4-1.el8.x86_64
69 openssl-pkcs11-0.4.10-2.el8.x86_64
70 tnt-brandit-1.3.0-77240.x86_64
71 perl-CGI-4.38-2.el8.noarch
72 mpfr-3.1.6-1.el8.x86_64
73 tar-1.30-5.el8.x86_64
74 tnt-ubuntu10-drivers-6.5.1-2.noarch
75 perl-FCGI-0.78-11.module_el8.1.0+205+ccfc4274.x86_64
76 libsss_idmap-2.3.0-9.el8.x86_64
77 lwl-module-common-rest-api-0.63-1.noarch
78 libdhash-0.5.0-39.el8.x86_64
79 nss-softokn-3.53.1-17.el8_3.x86_64
80 tnt-setup-gateway-1.5.3-77249.noarch
81 libtasn1-4.13-3.el8.x86_64
82 copy-jdk-configs-3.7-4.el8.noarch
83 grub2-pc-2.02-90.el8_3.1.x86_64
84 gdbm-1.18-1.el8.x86_64
85 python3-libs-3.6.8-31.el8.x86_64
86 shared-mime-info-1.9-3.el8.x86_64
87 grub2-tools-efi-2.02-90.el8_3.1.x86_64
88 fuse-2.9.7-12.el8.x86_64
89 libarchive-3.3.2-9.el8.x86_64
90 fontconfig-2.13.1-3.el8.x86_64
91 iprutils-2.4.19-1.el8.x86_64
92 shadow-utils-4.6-11.el8.x86_64
93 policycoreutils-2.9-9.el8.x86_64
94 gpg-pubkey-478f8947-5ff329c5
95 rrdtool-1.7.0-16.el8.x86_64
96 bzip2-1.0.6-26.el8.x86_64
97 procps-ng-3.3.15-3.el8.x86_64
98 polkit-pkla-compat-0.1-12.el8.x86_64
99 perl-Errno-1.28-416.el8.x86_64
100 device-mapper-1.02.171-5.el8.x86_64
101 lwl-module-java-mail-1.6.2-2.noarch
102 perl-threads-2.21-2.el8.x86_64
103 dracut-049-95.git20200804.el8_3.4.x86_64
104 dbus-glib-0.110-2.el8.x86_64
```

105 lwl-module-host-model-0.13-1.noarch  
106 lwl-module-apache-commons-lang3-3.11-1.noarch  
107 lwl-module-json-provider-gson-0.11-1.noarch  
108 perl-Socket6-0.28-6.el8.x86\_64  
109 net-snmp-libs-5.8-18.el8\_3.1.x86\_64  
110 lwl-module-atomikos-5.0.6-1.noarch  
111 util-linux-user-2.32.1-24.el8.x86\_64  
112 lwl-module-database-copy-postgresql-0.15-1.noarch  
113 perl-HTML-Template-2.97-10.el8.noarch  
114 mariadb-connector-c-3.1.11-2.el8\_3.x86\_64  
115 lwl-module-hardware-profile-converter-0.8-1.noarch  
116 perl-Compress-Raw-Bzip2-2.081-1.el8.x86\_64  
117 passwd-0.80-3.el8.x86\_64  
118 lwl-common osgi-modules-1.0.5-4.noarch  
119 openssh-clients-8.0p1-5.el8.x86\_64  
120 perl-Error-0.17025-2.el8.noarch  
121 geolite2-city-20180605-1.el8.noarch  
122 iptables-services-1.8.4-15.el8\_3.3.x86\_64  
123 perl-Cache-Cache-1.08-15.el8.noarch  
124 qt5-srpm-macros-5.12.5-3.el8.noarch  
125 dracut-squash-049-95.git20200804.el8\_3.4.x86\_64  
126 perl-Math-BigInt-1.9998.11-7.el8.noarch  
127 libbabeltrace-1.5.4-3.el8.x86\_64  
128 perl-PadWalker-2.3-2.el8.x86\_64  
129 gpgme-1.13.1-3.el8.x86\_64  
130 perl-Term-Cap-1.17-395.el8.noarch  
131 apr-util-openssl-1.6.1-6.el8.x86\_64  
132 centos-logos-htpd-80.5-2.el8.noarch  
133 python3-dnf-4.2.23-4.el8.noarch  
134 perl-File-ShareDir-1.104-3.el8.noarch  
135 ldns-1.7.0-21.el8.x86\_64  
136 basesystem-11-5.el8.noarch  
137 cups-libs-2.2.6-38.el8.x86\_64  
138 xdelta-3.1.0-4.el8.x86\_64  
139 libsepol-2.9-1.el8.x86\_64  
140 gpg-pubkey-00f97f56-467e318a  
141 lwl-module-postgresql-jdbc-42.2.17-1.noarch  
142 less-530-1.el8.x86\_64  
143 perl-libs-5.26.3-416.el8.x86\_64  
144 python3-pip-wheel-9.0.3-18.el8.noarch  
145 libreswan-3.32-7.el8\_3.x86\_64  
146 giflib-5.1.4-3.el8.x86\_64  
147 python-srpm-macros-3-39.el8.noarch

```
148 mod_ssl-2.4.37-30.module_el8.3.0+561+97fdbbcc.x86_64
149 audit-libs-3.0-0.17.20191104git1c2f876.el8.x86_64
150 perl-HTTP-Cookies-6.04-2.module_el8.3.0+416+dee7bcef.noarch
151 libnfsidmap-2.3.3-35.el8.x86_64
152 linux-firmware-20200619-101.git3890db36.el8_3.noarch
153 usbguard-0.7.8-7.el8.x86_64
154 libipt-1.6.1-8.el8.x86_64
155 dbus-common-1.12.8-12.el8_3.noarch
156 fapolicyd-selinux-1.0-3.el8_3.4.noarch
157 libpkgconf-1.4.2-1.el8.x86_64
158 perl-Digest-SHA-6.02-1.el8.x86_64
159 glibc-2.28-127.el8.x86_64
160 munin-2.0.66-1.el8.noarch
161 perl-URI-1.73-3.el8.noarch
162 diffutils-3.6-6.el8.x86_64
163 libcap-2.26-4.el8.x86_64
164 tnt-kernel-modules-1.15.0-77471_4.18.0_240.22.1.el8_3.x86_64
165 perl-IO-Compress-2.081-1.el8.noarch
166 file-libs-5.33-16.el8_3.1.x86_64
167 lwl-apache-jakarta-tomcat-9.0.45-77343.noarch
168 perl-namespace-clean-0.27-7.el8.noarch
169 lwl-module-apache-common-beanutils-1.9.4-3.noarch
170 libevent-0.10.2-2.el8.x86_64
171 tnt-identity-common-backend-priv-2.0.2-77465.noarch
172 libnsl2-1.2.0-2.20180605git4a062cf.el8.x86_64
173 perl-DateTime-TimeZone-2.19-1.el8.noarch
174 apr-1.6.3-11.el8.x86_64
175 tnt-igel-drivers-6.5.1-2.noarch
176 libmetalink-0.1.3-7.el8.x86_64
177 iptables-1.8.4-15.el8_3.3.x86_64
178 lwl-module-eventbus-0.36-1.noarch
179 cpio-2.12-8.el8.x86_64
180 remi-release-8.3-1.el8.remi.noarch
181 lwl-module-stratusphere-inspection-data-processor-copy-0.229-1.noarch
182 kmod-libs-25-16.el8.x86_64
183 libpath_utils-0.2.1-39.el8.x86_64
184 protobuf-3.5.0-13.el8.x86_64
185 sssd-kcm-2.3.0-9.el8.x86_64
186 squashfs-tools-4.3-19.el8.x86_64
187 grub2-tools-minimal-2.02-90.el8_3.1.x86_64
188 python3-setools-4.3.0-2.el8.x86_64
189 gettext-0.19.8.1-17.el8.x86_64
190 grubpy-8.40-41.el8.x86_64
```

```
191 python3-libxml2-2.9.7-8.el8.x86_64
192 trousers-0.3.14-4.el8.x86_64
193 tnt-base-4.0.1-62018.noarch
194 libnetfilter_cthelper-1.0.0-15.el8.x86_64
195 crypto-policies-20210209-1.gitfbfb6bed.el8_3.noarch
196 gtk-update-icon-cache-3.22.30-6.el8.x86_64
197 libevent-2.1.8-5.el8.x86_64
198 dwz-0.12-9.el8.x86_64
199 libmount-2.32.1-24.el8.x86_64
200 libuser-0.62-23.el8.x86_64
201 perl-MRO-Compat-0.13-4.el8.noarch
202 util-linux-2.32.1-24.el8.x86_64
203 lwl-module-jasypt-1.9.3-2.noarch
204 perl-Unicode-Normalize-1.25-396.el8.x86_64
205 rpm-4.14.3-4.el8.x86_64
206 crontie-1.5.2-4.el8.x86_64
207 perl-MIME-Base64-3.15-396.el8.x86_64
208 initscripts-10.00.9-1.el8.x86_64
209 fipscheck-lib-1.5.0-4.el8.x86_64
210 lwl-module-tnt-common-java-1.4-1.noarch
211 perl-Module-Implementation-0.09-15.el8.noarch
212 clamav-lib-0.103.1-3.el8.x86_64
213 perl-XML-NamespaceSupport-1.12-4.el8.noarch
214 openscap-scanner-1.3.3-6.el8_3.x86_64
215 lwl-ssl-cert-1.0.0-75147.noarch
216 perl-Sub-Install-0.928-14.el8.noarch
217 lwl-module-groovy-3.0.7-1.noarch
218 lwl-module-database-dbinfoprovider-simple-0.6-1.noarch
219 postgresql12-12.6-1PGDG.rhel8.x86_64
220 chrony-3.5-1.el8.x86_64
221 javapackages-filesystem-5.3.0-1.module_el8.0.0+11+5b8c10bd.noarch
222 lwl-module-propholder-0.32-1.noarch
223 gdk-pixbuf2-modules-2.36.12-5.el8.x86_64
224 perl-Params-Classify-0.015-2.el8.x86_64
225 perl-File-Copy-Recursive-0.40-3.el8.noarch
226 geolite2-country-20180605-1.el8.noarch
227 perl-IO-Tty-1.12-11.el8.x86_64
228 dejavu-sans-mono-fonts-2.35-6.el8.noarch
229 perl-IPC-SysV-2.07-397.el8.x86_64
230 rust-srpm-macros-5-2.el8.noarch
231 perl-MIME-Types-2.17-3.el8.noarch
232 publicsuffix-list-dafsa-20180723-1.el8.noarch
233 perl-Math-BigRat-0.2614-1.el8.noarch
```

```
234 ocaml-srpm-macros-5-4.el8.noarch
235 perl-Sub-Exporter-0.987-15.el8.noarch
236 perl-Devel-Caller-2.06-15.el8.x86_64
237 perl-Text-Balanced-2.03-395.el8.noarch
238 fuse-common-3.2.1-12.el8.x86_64
239 perl-Text-Unidecode-1.30-5.el8.noarch
240 perl-XML-Parser-2.44-11.el8.x86_64
241 graphite2-1.3.10-10.el8.x86_64
242 ncurses-libs-6.1-7.20180224.el8.x86_64
243 libfontenc-1.1.3-8.el8.x86_64
244 policycoreutils-python-utils-2.9-9.el8.noarch
245 python3-dmidecode-3.12.2-15.el8.x86_64
246 lksctp-tools-1.0.18-3.el8.x86_64
247 perl-Exporter-5.72-396.el8.noarch
248 checkpolicy-2.9-1.el8.x86_64
249 info-6.5-6.el8.x86_64
250 virt-what-1.18-6.el8.x86_64
251 hardlink-1.3-6.el8.x86_64
252 popt-1.16-14.el8.x86_64
253 libXrender-0.9.10-7.el8.x86_64
254 libcap-ng-0.7.9-5.el8.x86_64
255 libXcursor-1.1.15-3.el8.x86_64
256 libmnl-1.0.4-6.el8.x86_64
257 hicolor-icon-theme-0.17-2.el8.noarch
258 libXinerama-1.1.4-1.el8.x86_64
259 libthai-0.1.27-2.el8.x86_64
260 efi-srpm-macros-3-2.el8.noarch
261 libpng-1.6.34-5.el8.x86_64
262 libpciaccess-0.14-1.el8.x86_64
263 libattr-2.4.48-3.el8.x86_64
264 pkgconf-1.4.2-1.el8.x86_64
265 p11-kit-0.23.14-5.el8_0.x86_64
266 perl-Getopt-Long-2.50-4.el8.noarch
267 libsigsegv-2.11-5.el8.x86_64
268 perl-HTTP-Tiny-0.074-1.el8.noarch
269 perl-DBI-1.641-3.module_el8.1.0+199+8f0a6bbd.x86_64
270 gdbm-libs-1.18-1.el8.x86_64
271 xz-5.2.4-3.el8.x86_64
272 perl-Package-Stash-0.37-9.el8.noarch
273 perl-Eval-Closure-0.14-5.el8.noarch
274 libcollection-0.7.0-39.el8.x86_64
275 perl-DateTime-1.50-1.el8.x86_64
276 libnetfilter_conntrack-1.0.6-5.el8.x86_64
```

277 acl-2.2.53-1.el8.x86\_64  
278 perl-CGI-Fast-2.15-3.el8.noarch  
279 gettext-libs-0.19.8.1-17.el8.x86\_64  
280 libksba-1.3.5-7.el8.x86\_64  
281 perl-Log-Dispatch-FileRotate-1.36-1.el8.noarch  
282 unzip-6.0-43.el8.x86\_64  
283 perl-XML-LibXML-2.0132-2.el8.x86\_64  
284 perl-Log-Log4perl-1.50-1.el8.noarch  
285 fuse-libs-2.9.7-12.el8.x86\_64  
286 libnghttp2-1.41.0-1.module\_el8+9071+b2b61c14.x86\_64  
287 lzo-2.08-14.el8.x86\_64  
288 ipset-7.1-1.el8.x86\_64  
289 bc-1.07.1-5.el8.x86\_64  
290 cairo-1.15.12-3.el8.x86\_64  
291 lwl-module-guava-28.2-2.noarch  
292 polkit-libs-0.115-11.el8.x86\_64  
293 perl-Exporter-Tiny-1.000000-4.el8.noarch  
294 gtk2-2.24.32-4.el8.x86\_64  
295 perl-Ref-Util-XS-0.117-2.el8.x86\_64  
296 perl-Text-Tabs+Wrap-2013.0523-395.el8.noarch  
297 perl-PathTools-3.74-1.el8.x86\_64  
298 crontie-anacron-1.5.2-4.el8.x86\_64  
299 perl-interpreter-5.26.3-416.el8.x86\_64  
300 perl-File-Temp-0.230.600-1.el8.noarch  
301 lwl-module-json-provider-0.10-1.noarch  
302 fipscheck-1.5.0-4.el8.x86\_64  
303 perl-IO-Socket-IP-0.39-5.el8.noarch  
304 perl-Compress-Raw-Zlib-2.081-1.el8.x86\_64  
305 perl-Sys-Syslog-0.35-397.el8.x86\_64  
306 lwl-module-apache-common-csv-1.4-1.noarch  
307 perl-Digest-SHA1-2.13-23.el8.x86\_64  
308 lwl-module-common-dao-impl-jdbc-0.83-1.noarch  
309 perl-Params-Util-1.07-22.el8.x86\_64  
310 lwl-module-datastore-dao-impl-jdbc-0.25-1.noarch  
311 perl-Data-OptList-0.110-6.el8.noarch  
312 lwl-module-database-datasourceprovider-postgresql-0.13-1.noarch  
313 perl-Email-Date-Format-1.005-11.el8.noarch  
314 lwl-module-host-dao-0.13-1.noarch  
315 perl-Class-Method-Modifiers-2.12-8.el8.noarch  
316 openssl-perl-1.1.1g-15.el8\_3.x86\_64  
317 rsyslog-gnutils-8.1911.0-6.el8.x86\_64  
318 lwl-module-database-dbinfoprovider-properties-0.10-1.noarch  
319 net-snmp-utils-5.8-18.el8\_3.1.x86\_64

```
320 authselect-libs-1.2.1-2.el8.x86_64
321 lwl-module-urldetails-dao-impl-jdbc-0.8-1.noarch
322 oddjob-0.34.5-3.el8.x86_64
323 mod_security_crs-3.0.0-5.el8.noarch
324 sysstat-11.7.3-5.el8.x86_64
325 selinux-policy-targeted-3.14.3-54.el8_3.2.noarch
326 elfutils-0.180-1.el8.x86_64
327 grub2-tools-extra-2.02-90.el8_3.1.x86_64
328 sg3_utils-1.44-5.el8.x86_64
329 gnupg2-2.2.20-2.el8.x86_64
330 python3-libdnf-0.48.0-5.el8.x86_64
331 python3-gpg-1.13.1-3.el8.x86_64
332 yum-4.2.23-4.el8.noarch
333 man-db-2.7.6.1-17.el8.x86_64
334 wget-1.19.5-10.el8.x86_64
335 lsscsi-0.30-1.el8.x86_64
336 binutils-2.30-79.el8.x86_64
337 gpg-pubkey-5ba5fa8d-5ccc6012
338 lwl-module-gson-2.8.5-3.noarch
339 gpg-pubkey-5f11735a-5a58bcd7
340 java-1.8.0-openjdk-headless-1.8.0.282.b08-2.el8_3.x86_64
341 nss-tools-3.53.1-17.el8_3.x86_64
342 perl-LWP-MediaTypes-6.02-15.module_el8.3.0+416+dee7bcef.noarch
343 dracut-network-049-95.git20200804.el8_3.4.x86_64
344 tzdata-2021a-1.el8.noarch
345 mod_http2-1.15.7-2.module_el8.3.0+477+498bb568.x86_64
346 perl-WWW-RobotRules-6.02-18.module_el8.3.0+416+dee7bcef.noarch
347 python3-linux-procfs-0.6.2-2.el8.noarch
348 perl-File-Listing-6.04-17.module_el8.3.0+416+dee7bcef.noarch
349 python3-syspurpose-1.27.16-1.el8.x86_64
350 perl-HTTP-Negotiate-6.01-19.module_el8.3.0+416+dee7bcef.noarch
351 dmidecode-3.2-6.el8.x86_64
352 perl-Data-Dump-1.23-7.module_el8.3.0+416+dee7bcef.noarch
353 usbguard-selinux-0.7.8-7.el8.noarch
354 libssh-config-0.9.4-2.el8.noarch
355 sssd-client-2.3.0-9.el8.x86_64
356 kbd-legacy-2.0.4-10.el8.noarch
357 fapolicyd-1.0-3.el8_3.4.x86_64
358 centos-gpg-keys-8-2.el8.noarch
359 python3-perf-4.18.0-240.22.1.el8_3.x86_64
360 filesystem-3.8-3.el8.x86_64
361 munin-apache-2.0.66-1.el8.noarch
362 bash-4.4.19-12.el8.x86_64
```

363 tnt-setup-1.8.2-77499.noarch  
364 sed-4.5-2.el8.x86\_64  
365 lwl-service-cidd-0.1.0-1.x86\_64  
366 libcom\_err-1.45.6-1.el8.x86\_64  
367 lwl-servicemix-base-6.1.4-13.noarch  
368 libgcrypt-1.8.5-4.el8.x86\_64  
369 tnt-identity-common-java-3.3.6-77367.noarch  
370 file-5.33-16.el8\_3.1.x86\_64  
371 lwl-module-oval-0.14-1.noarch  
372 nss-util-3.53.1-17.el8\_3.x86\_64  
373 lwl-module-node-dao-0.37-1.noarch  
374 libxslt-1.1.32-5.el8.x86\_64  
375 tnt-LeTOS-drivers-6.5.1-2.noarch  
376 libsemanage-2.9-3.el8.x86\_64  
377 tnt-centos6-drivers-6.5.1-2.noarch  
378 e2fsprogs-libs-1.45.6-1.el8.x86\_64  
379 tnt-rhel4-drivers-6.5.1-2.noarch  
380 libffi-3.1-22.el8.x86\_64  
381 lwl-module-executorservice-0.63-1.noarch  
382 libpsl-0.20.2-6.el8.x86\_64  
383 tnt-policy-2.7.1-77494.noarch  
384 pciutils-3.6.4-2.el8.x86\_64  
385 lwl-module-node-dao-impl-jdbc-0.67-1.noarch  
386 libXi-1.7.10-1.el8.x86\_64  
387 lwl-station-config-systemd-1.0.3-77379.noarch  
388 libsecret-0.18.6-1.el8.x86\_64  
389 tuned-2.14.0-3.el8\_3.1.noarch  
390 snappy-1.1.8-3.el8.x86\_64  
391 vs-helper-6.5.1-2.x86\_64  
392 kernel-tools-libs-4.18.0-240.22.1.el8\_3.x86\_64  
393 python3-libsemanage-2.9-3.el8.x86\_64  
394 platform-python-pip-9.0.3-18.el8.noarch  
395 microcode\_ctl-20200609-2.20210216.1.el8\_3.x86\_64  
396 libssh-0.9.4-2.el8.x86\_64  
397 vs-pushuser-6.5.1-2.x86\_64  
398 libkapi-1.2.0-2.el8.x86\_64  
399 lshw-B.02.19.2-2.el8.x86\_64  
400 curl-7.61.1-14.el8\_3.1.x86\_64  
401 bridge-utils-1.7.1-2.el8.x86\_64  
402 openssl-libs-1.1.1g-15.el8\_3.x86\_64  
403 libmodulemd1-1.8.16-0.2.9.4.2.x86\_64  
404 libdb-5.3.28-39.el8.x86\_64  
405 systemd-libs-239-41.el8\_3.2.x86\_64

406 dbus-daemon-1.12.8-12.el8\_3.x86\_64  
407 elfutils-default-yama-scope-0.180-1.el8.noarch  
408 cryptsetup-libs-2.3.3-2.el8.x86\_64  
409 rpm-libs-4.14.3-4.el8.x86\_64  
410 dbus-1.12.8-12.el8\_3.x86\_64  
411 iproute-5.3.0-5.el8.x86\_64  
412 kernel-core-4.18.0-240.22.1.el8\_3.x86\_64  
413 clamav-update-0.103.1-3.el8.x86\_64  
414 munin-common-2.0.66-1.el8.noarch  
415 openssh-8.0p1-5.el8.x86\_64  
416 logrotate-3.14.0-4.el8.x86\_64  
417 openssl-1.1.1g-15.el8\_3.x86\_64  
418 aide-0.16-14.el8.x86\_64  
419 postgresql12-server-12.6-1PGDG.rhel8.x86\_64  
420 lwl-module-quartz-2.3.2-1.noarch  
421 perl-Crypt-DES-2.07-19.1.el8.x86\_64  
422 chkrootkit-0.50-4el7.x86\_64  
423 perl-DateTime-TimeZone-SystemV-0.010-3.el8.noarch  
424 mailcap-2.1.48-3.el8.noarch  
425 python3-dateutil-2.6.1-6.el8.noarch  
426 dejavu-fonts-common-2.35-6.el8.noarch  
427 perl-Expect-1.35-10.el8.noarch  
428 tmux-2.7-1.el8.x86\_64  
429 perl-JSON-2.97.001-2.el8.noarch  
430 audit-3.0-0.17.20191104git1c2f876.el8.x86\_64  
431 perl-MIME-Lite-3.030-16.el8.noarch  
432 openblas-srpm-macros-2-2.el8.noarch  
433 perl-bignum-0.49-2.el8.noarch  
434 perl-Sub-Exporter-Progressive-0.001013-5.el8.noarch  
435 libprelude-5.2.0-1.el8.x86\_64  
436 libX11-common-1.6.8-3.el8.noarch  
437 perl-Devel-LexAlias-0.05-16.el8.x86\_64  
438 gobject-introspection-1.56.1-1.el8.x86\_64  
439 ghc-srpm-macros-1.4.2-7.el8.noarch  
440 perl-Sub-Identify-0.14-6.el8.x86\_64  
441 perl-Text-Soundex-3.05-8.el8.x86\_64  
442 apr-util-bdb-1.6.1-6.el8.x86\_64  
443 perl-Ref-Util-0.203-4.el8.noarch  
444 mod\_fcgid-2.3.9-16.el8.x86\_64  
445 mozjs60-60.9.0-4.el8.x86\_64  
446 mailx-12.5-29.el8.x86\_64  
447 xmlsec1-openssl-1.2.25-4.el8.x86\_64  
448 pigz-2.4-4.el8.x86\_64

```
449 python3-policycoreutils-2.9-9.el8.noarch
450 xz-libs-5.2.4-3.el8.x86_64
451 hostname-3.20-6.el8.x86_64
452 perl-Carp-1.42-396.el8.noarch
453 lwl-diag-common-1.0.0-74980.noarch
454 bzip2-libs-1.0.6-26.el8.x86_64
455 elrepo-release-8.2-1.el8.elrepo.noarch
456 jansson-2.11-3.el8.x86_64
457 libxcb-1.13.1-1.el8.x86_64
458 cntlm-0.92.3-1.x86_64
459 findutils-4.6.0-20.el8.x86_64
460 libXdamage-1.1.4-14.el8.x86_64
461 which-2.21-12.el8.x86_64
462 libatomic_ops-7.6.2-3.el8.x86_64
463 nspr-4.25.0-2.el8_2.x86_64
464 libestr-0.1.10-1.el8.x86_64
465 apache-commons-codec-1.13-3.module_el8.2.0+364+b808f688.noarch
466 ipcalc-0.2.4-4.el8.x86_64
467 json-c-0.13.1-0.2.el8.x86_64
468 perl-Authen-SASL-2.16-13.el8.noarch
469 libtool-ltdl-2.4.6-25.el8.x86_64
470 pkgconf-pkg-config-1.4.2-1.el8.x86_64
471 perl-Pod-Simple-3.35-395.el8.noarch
472 gawk-4.2.1-1.el8.x86_64
473 perl-Pod-Perldoc-3.28-396.el8.noarch
474 libsysfs-2.1.0-24.el8.x86_64
475 perl-libnet-3.11-3.el8.noarch
476 perl-Time-HiRes-1.9758-1.el8.x86_64
477 perl-Date-Manip-6.60-2.el8.noarch
478 perl-Term-ANSIColor-4.06-396.el8.noarch
479 gzip-1.9-9.el8.x86_64
480 perltidy-20180220-1.el8.noarch
481 libbasicobjects-0.1.1-39.el8.x86_64
482 perl-DateTime-Locale-1.17-2.el8.noarch
483 tmpwatch-2.11-14.el8.x86_64
484 groff-base-1.22.3-18.el8.x86_64
485 libcroco-0.6.12-4.el8_2.1.x86_64
486 perl-Log-Dispatch-2.68-1.el8.noarch
487 perl-XML-SAX-1.00-1.el8.noarch
488 libicu-60.3-2.el8_1.x86_64
489 perl-LDAP-0.66-7.el8.noarch
490 ethtool-5.0-2.el8.x86_64
491 libutempter-1.1.6-14.el8.x86_64
```

492 libyaml-0.1.7-5.el8.x86\_64  
493 libedit-3.1-23.20170329cvs.el8.x86\_64  
494 libpwquality-1.4.0-9.el8.x86\_64  
495 npth-1.5-4.el8.x86\_64  
496 os-prober-1.74-6.el8.x86\_64  
497 p11-kit-trust-0.23.14-5.el8\_0.x86\_64  
498 jasper-libs-2.0.14-4.el8.x86\_64  
499 glib2-2.56.4-8.el8.x86\_64  
500 ttmkdir-3.0.9-54.el8.x86\_64  
501 ipset-libs-7.1-1.el8.x86\_64  
502 libnftnl-1.1.5-4.el8.x86\_64  
503 tnt-iptables-2.8.1-76234.x86\_64  
504 libcap-ng-utils-0.7.9-5.el8.x86\_64  
505 python3-six-1.11.0-8.el8.noarch  
506 pixman-0.38.4-1.el8.x86\_64  
507 kernel-core-4.18.0-193.19.1.el8\_2.x86\_64  
508 rrdtool-perl-1.7.0-16.el8.x86\_64  
509 perl-Class-Singleton-1.5-9.el8.noarch  
510 polkit-0.115-11.el8.x86\_64  
511 lwl-station-munin-1.0.0-67978.noarch  
512 perl-Package-Stash-XS-0.28-17.el8.x86\_64  
513 perl-Socket-2.027-3.el8.x86\_64  
514 perl-IO-1.38-416.el8.x86\_64  
515 perl-threads-shared-1.58-2.el8.x86\_64  
516 iutils-20180629-2.el8.x86\_64  
517 perl-Time-Local-1.280-1.el8.noarch  
518 perl-Dist-CheckConflicts-0.11-11.el8.noarch  
519 perl-Digest-MD5-2.55-396.el8.x86\_64  
520 lwl-module-datastore-model-0.5-1.noarch  
521 perl-IO-Socket-INET6-2.72-12.el8.noarch  
522 parted-3.2-38.el8.x86\_64  
523 perl-Mail-Sendmail-0.80-4.el8.noarch  
524 lwl-module-database-config-0.152-1.noarch  
525 perl-Devel-StackTrace-2.03-2.el8.noarch  
526 perl-Date-ISO8601-0.005-2.el8.noarch  
527 lwl-module-database-datasourceprovider-atomikos-0.12-1.noarch  
528 perl-Params-Validate-1.29-5.el8.x86\_64  
529 lwl-module-database-partition-postgresql-0.22-1.noarch  
530 perl-Exception-Class-1.44-2.el8.noarch  
531 lwl-module-hardware-profile-converter-vmware-0.4-1.noarch  
532 net-snmp-5.8-18.el8\_3.1.x86\_64  
533 lwl-module-stratusphere-inspection-data-reader-0.35-1.noarch  
534 tnt-identity-common-java-deps-3.3.1-77026.noarch

535 lwl-module-stratusphere-database-config-0.27-1.noarch  
536 python3-unbound-1.7.3-14.el8.x86\_64  
537 lwl-module-urldetails-model-0.4-1.noarch  
538 kernel-modules-4.18.0-240.22.1.el8\_3.x86\_64  
539 sg3\_utils-libs-1.44-5.el8.x86\_64  
540 nscd-2.28-127.el8.x86\_64  
541 authselect-compat-1.2.1-2.el8.x86\_64  
542 selinux-policy-3.14.3-54.el8\_3.2.noarch  
543 redhat-rpm-config-123-1.el8.noarch  
544 cryptsetup-2.3.3-2.el8.x86\_64  
545 gnupg2-smime-2.2.20-2.el8.x86\_64  
546 libdnf-0.48.0-5.el8.x86\_64  
547 kernel-4.18.0-193.19.1.el8\_2.x86\_64  
548 python3-rpm-4.14.3-4.el8.x86\_64  
549 rng-tools-6.8-3.el8.x86\_64  
550 dnf-automatic-4.2.23-4.el8.noarch  
551 yum-utils-4.0.17-5.el8.noarch  
552 rootfiles-8.1-22.el8.noarch  
553 alsa-lib-1.2.3.2-1.el8.x86\_64  
554 gpg-pubkey-baadae52-49beffa4  
555 openscap-utils-1.3.3-6.el8\_3.x86\_64  
556 gpg-pubkey-0364b949-58bd2928  
557 nss-3.53.1-17.el8\_3.x86\_64  
558 libgcc-8.3.1-5.1.el8.x86\_64  
559 lwl-java-setup-1.6.0-77212.noarch  
560 perl-Encode-Locale-1.05-10.module\_el8.3.0+416+dee7bcef.noarch  
561 dhcp-client-4.3.6-41.el8.x86\_64  
562 tnt-windows-pdb-6.5.1-2.noarch  
563 httpd-2.4.37-30.module\_el8.3.0+561+97fdbbcc.x86\_64  
564 perl-Try-Tiny-0.30-7.module\_el8.3.0+416+dee7bcef.noarch  
565 python3-gobject-base-3.28.3-2.el8.x86\_64  
566 perl-IO-HTML-1.001-11.module\_el8.3.0+416+dee7bcef.noarch  
567 python36-3.6.8-2.module\_el8.3.0+562+e162826a.x86\_64  
568 perl-HTML-Tagset-3.20-34.module\_el8.3.0+416+dee7bcef.noarch  
569 audispd-plugins-3.0-0.17.20191104git1c2f876.el8.x86\_64  
570 perl-Convert-UU-0.5201-27.el8.noarch  
571 libqb-1.0.3-12.el8.x86\_64  
572 libreport-filesystem-2.9.5-15.el8.x86\_64  
573 libsss\_nss\_idmap-2.3.0-9.el8.x86\_64  
574 firewalld-filesystem-0.8.2-2.el8.noarch  
575 lmdb-libs-0.9.24-1.el8.x86\_64  
576 centos-linux-repos-8-2.el8.noarch  
577 numactl-libs-2.0.12-11.el8.x86\_64

578 libselinux-2.9-4.el8\_3.x86\_64  
579 munin-node-2.0.66-1.el8.noarch  
580 glibc-common-2.28-127.el8.x86\_64  
581 sudo-1.8.29-6.el8\_3.1.x86\_64  
582 chkconfig-1.13-2.el8.x86\_64  
583 lwl-httdp-config-1.0.2-77104.noarch  
584 elfutils-libelf-0.180-1.el8.x86\_64  
585 lwl-munin-1.0.0-77392.noarch  
586 sqlite-libs-3.26.0-11.el8.x86\_64  
587 tnt-common-java-3.0.16-1.noarch  
588 grub2-common-2.02-90.el8\_3.1.noarch  
589 tnt-identity-common-backend-deps-2.0.2-77097.noarch  
590 tnt-tools-1.5.5-77171.x86\_64  
591 lwl-module-node-model-0.21-1.noarch  
592 freetype-2.9.1-4.el8\_3.1.x86\_64  
593 lwl-collector-backend-deps-1.0.0-77521.noarch  
594 libtdb-1.4.3-1.el8.x86\_64  
595 tnt-centos5-drivers-6.5.1-2.noarch  
596 nettle-3.4.1-4.el8\_3.x86\_64  
597 tnt-osx-drivers-6.5.1-2.noarch  
598 libpcap-1.9.1-4.el8.x86\_64  
599 lwl-collector-backend-1.0.0-77521.noarch  
600 libselinux-utils-2.9-4.el8\_3.x86\_64  
601 tnt-netaudit-1.8.0-77496.x86\_64  
602 psmisc-23.1-5.el8.x86\_64  
603 tnt-identity-igateway-backend-1.5.1-77137.noarch  
604 nss-softokn-freebl-3.53.1-17.el8\_3.x86\_64  
605 lwl-station-config-1.0.3-77379.noarch  
606 pinentry-1.1.0-2.el8.x86\_64  
607 tnt-setup-vmware-1.8.2-77499.noarch  
608 zstd-1.4.4-1.el8.x86\_64  
609 open-vm-tools-11.1.0-2.el8.x86\_64  
610 memstrack-0.1.11-1.el8.x86\_64  
611 kernel-4.18.0-240.22.1.el8\_3.x86\_64  
612 platform-python-setuptools-39.2.0-6.el8.noarch  
613 network-scripts-10.00.9-1.el8.x86\_64  
614 openldap-2.4.46-15.el8.x86\_64  
615 xfsprogs-5.0.0-4.el8.x86\_64  
616 libkapi-hmaccalc-1.2.0-2.el8.x86\_64  
617 libXft-2.3.3-1.el8.x86\_64  
618 libcurl-7.61.1-14.el8\_3.1.x86\_64  
619 libgomp-8.3.1-5.1.el8.x86\_64  
620 coreutils-8.30-8.el8.x86\_64

```
621 libmaxminddb-1.2.0-10.el8.x86_64
622 pam-1.3.1-11.el8.x86_64
623 dbus-libs-1.12.8-12.el8_3.x86_64
624 kbd-2.0.4-10.el8.x86_64
625 kpartx-0.8.4-5.el8.x86_64
626 elfutils-debuginfod-client-0.180-1.el8.x86_64
627 systemd-pam-239-41.el8_3.2.x86_64
628 systemd-239-41.el8_3.2.x86_64
629 libmodulemd-2.9.4-2.el8.x86_64
630 libsolv-0.7.11-1.el8.x86_64
631 libpq5-13.2-10PGDG.rhel8.x86_64
632 unbound-libs-1.7.3-14.el8.x86_64
633 openssh-server-8.0p1-5.el8.x86_64
634 rsyslog-8.1911.0-6.el8.x86_64
635 libsss_certmap-2.3.0-9.el8.x86_64
636 python3-libselinux-2.9-4.el8_3.x86_64
637 net-snmp-agent-libs-5.8-18.el8_3.1.x86_64
638 usermode-1.113-1.el8.x86_64
639 perl-DaTETime-TimeZone-Tzfile-0.011-3.el8.noarch
640 scap-security-guide-0.1.50-16.el8_3.noarch
641 python3-configobj-5.0.6-11.el8.noarch
642 fontpackages-filesystem-1.44-22.el8.noarch
643 lwl-module-urldetails-dao-0.10-1.noarch
644 perl-IPC-ShareLite-0.17-30.el8.x86_64
645 tnt-policy-common-2.7.1-77477.noarch
646 xorg-x11-fonts-Type1-7.5-19.el8.noarch
647 perl-Math-Complex-1.59-416.el8.noarch
648 rpm-plugin-selinux-4.14.3-4.el8.x86_64
649 lwl-base-appliance-8.0-master.9960ee9.noarch
650 perl-Devel-GlobalDestruction-0.14-5.el8.noarch
651 gdb-headless-8.2-12.el8.x86_64
652 atk-2.28.1-1.el8.x86_64
653 go-srpm-macros-2-16.el8.noarch
654 perl-Taint-Runtime-0.03-32.el8.x86_64
655 librepo-1.12.0-2.el8.x86_64
656 apr-util-1.6.1-6.el8.x86_64
657 perl-Class-Inspector-1.32-2.el8.noarch
658 dnf-4.2.23-4.el8.noarch
659 xml-common-0.6.3-50.el8.noarch
660 e2fsprogs-1.45.6-1.el8.x86_64
661 python3-audit-3.0-0.17.20191104git1c2f876.el8.x86_64
662 gpg-pubkey-846a40cd-5f7b444a
663 nss-sysinit-3.53.1-17.el8_3.x86_64
```

664 python3-schedutils-0.6-6.el8.x86\_64  
665 perl-Scalar-List-Utils-1.49-2.el8.x86\_64  
666 python3-setuptools-wheel-39.2.0-6.el8.noarch  
667 fribidi-1.0.4-8.el8.x86\_64  
668 bind-export-libs-9.11.20-5.el8\_3.1.x86\_64  
669 python3-rpm-macros-3-39.el8.noarch  
670 libX11-1.6.8-3.el8.x86\_64  
671 kernel-tools-4.18.0-240.22.1.el8\_3.x86\_64  
672 lua-libs-5.3.4-11.el8.x86\_64  
673 perl-HTTP-Message-6.18-1.module\_el8.3.0+416+dee7bcef.noarch  
674 libXtst-1.2.3-7.el8.x86\_64  
675 sssd-nfs-idmap-2.3.0-9.el8.x86\_64  
676 avahi-libs-0.7-19.el8.x86\_64  
677 mariadb-connector-c-config-3.1.11-2.el8\_3.noarch  
678 libfastjson-0.99.8-2.el8.x86\_64  
679 libsss\_automount-2.3.0-9.el8.x86\_64  
680 gmp-6.1.2-10.el8.x86\_64  
681 dhcp-common-4.3.6-41.el8.noarch  
682 libpipeline-1.5.0-2.el8.x86\_64  
683 lsof-4.93.2-1.el8.x86\_64  
684 perl-Encode-2.97-3.el8.x86\_64  
685 perl-Module-Runtime-0.016-2.el8.noarch  
686 pcre2-10.32-2.el8.x86\_64  
687 vim-minimal-8.0.1763-15.el8.x86\_64  
688 perl-Text-ParseWords-3.30-395.el8.noarch  
689 libstdc++-8.3.1-5.1.el8.x86\_64  
690 lwl-natsd-0.21.2-3.x86\_64  
691 perl-Net-SNMP-6.0.1-25.el8.1.noarch  
692 libzstd-1.4.4-1.el8.x86\_64  
693 tnt-identity-common-backend-2.0.5-77465.noarch  
694 perl-namespace-autoclean-0.28-10.el8.noarch  
695 keyutils-libs-1.5.10-6.el8.x86\_64  
696 libsmartcols-2.32.1-24.el8.x86\_64  
697 libtirpc-1.1.4-4.el8.x86\_64  
698 lwl-module-apache-common-http-client-4.5.13-1.noarch  
699 perl-Convert-ASN1-0.27-17.el8.noarch  
700 xmlsec1-1.2.25-4.el8.x86\_64  
701 lz4-libs-1.8.3-2.el8.x86\_64  
702 tnt-nps32-drivers-6.5.1-2.noarch  
703 perl-Mail-Sender-0.903-7.el8.noarch  
704 iptables-libs-1.8.4-15.el8\_3.3.x86\_64  
705 lwl-snmp-1.2.3-77133.noarch  
706 perl-XML-Simple-2.25-1.el8.noarch

707 epel-release-8-10.el8.noarch  
708 kmod-25-16.el8.x86\_64  
709 lwl-module-vms-dao-0.37-1.noarch  
710 libini\_config-1.3.1-39.el8.x86\_64  
711 libss-1.45.6-1.el8.x86\_64  
712 tnt-decode-1.0.0-77495.x86\_64  
713 ncurses-6.1-7.20180224.el8.x86\_64  
714 cyrus-sasl-lib-2.1.27-5.el8.x86\_64  
715 clamav-data-0.103.1-3.el8.noarch  
716 patch-2.7.6-11.el8.x86\_64  
717 platform-python-3.6.8-31.el8.x86\_64  
718 libXrandr-1.5.2-1.el8.x86\_64  
719 libnetfilter\_cttimeout-1.0.0-11.el8.x86\_64  
720 crypto-policies-scripts-20210209-1.gitbfb6bed.el8\_3.noarch  
721 libXau-1.0.9-3.el8.x86\_64  
722 libcomps-0.1.11-4.el8.x86\_64  
723 gnutls-3.6.14-8.el8\_3.x86\_64  
724 gdk-pixbuf2-2.36.12-5.el8.x86\_64  
725 perl-Net-CIDR-0.20-1.el8.noarch  
726 libfdisk-2.32.1-24.el8.x86\_64  
727 perl-File-Path-2.15-2.el8.noarch  
728 elfutils-libs-0.180-1.el8.x86\_64  
729 crontabs-1.11-16.20150630git.el8.noarch  
730 perl-Storable-3.11-3.el8.x86\_64  
731 systemd-udev-239-41.el8\_3.2.x86\_64  
732 python3-dbus-1.2.4-15.el8.x86\_64  
733 lwl-module-tnt-identity-common-java-1.6-1.noarch  
734 perl-Digest-1.17-395.el8.noarch  
735 clamav-filesystem-0.103.1-3.el8.noarch  
736 perl-version-0.99.24-1.el8.x86\_64  
737 openscap-1.3.3-6.el8\_3.x86\_64  
738 lwl-module-datastore-dao-0.14-1.noarch  
739 perl-XML-SAX-Base-1.09-4.el8.noarch  
740 lwl-module-bouncycastle-1.66-1.noarch  
741 lwl-module-database-monitor-postgresql-0.4-1.noarch  
742 perl-Class-Data-Inheritable-0.08-27.el8.noarch  
743 libldb-2.1.3-3.el8\_3.x86\_64  
744 timedatex-0.5-3.el8.x86\_64  
745 lwl-module-fam-0.31-1.noarch  
746 perl-IO-Socket-SSL-2.066-4.module\_el8.3.0+410+ff426aa3.noarch  
747 perl-Devel-CallChecker-0.008-3.el8.x86\_64  
748 lwl-module-unique-number-generator-impl-jdbc-0.17-1.noarch  
749 perl-DBD-Pg-3.7.4-4.module\_el8.3.0+426+0b4e9c0a.x86\_64

750 perl-Net-Server-2.009-3.el8.noarch  
751 python3-pyudev-0.21.0-7.el8.noarch  
752 xkeyboard-config-2.28-1.el8.noarch  
753 mod\_security-2.9.2-8.el8.x86\_64  
754 oddjob-mkhomedir-0.34.5-3.el8.x86\_64  
755 perl-List-MoreUtils-0.428-2.el8.noarch  
756 conntrack-tools-1.4.4-10.el8.x86\_64  
757 pkgconf-m4-1.4.2-1.el8.noarch  
758 rpm-plugin-systemd-inhibit-4.14.3-4.el8.x86\_64  
759 perl-Package-Generator-1.106-11.el8.noarch  
760 lwl-collector-1.0.0-76633.noarch  
761 dhcp-libs-4.3.6-41.el8.x86\_64  
762 perl-SelfLoader-1.23-416.el8.noarch  
763 harfbuzz-1.7.5-3.el8.x86\_64  
764 lwl-base-appliance-vmware-8.0-master.9960ee9.noarch  
765 python3-hawkey-0.48.0-5.el8.x86\_64  
766 perl-B-Hooks-EndOfScope-0.21-6.el8.noarch  
767 prefixdevname-0.1.0-6.el8.x86\_64  
768 python3-dnf-plugins-core-4.0.17-5.el8.noarch  
769 sscg-2.3.3-14.el8.x86\_64  
770 gpg-pubkey-8483c65d-5ccc5b19  
771 rpm-build-4.14.3-4.el8.x86\_64  
772 expect-5.45.4-5.el8.x86\_64  
773 python3-decorator-4.2.1-2.el8.noarch  
774 gpg-pubkey-4c21a808-5e4a9a41  
775 java-1.8.0-openjdk-1.8.0.282.b08-2.el8\_3.x86\_64  
776 c-ares-1.13.0-5.el8.x86\_64  
777 perl-parent-0.237-1.el8.noarch  
778 tzdata-java-2021a-1.el8.noarch  
779 kexec-tools-2.0.20-34.el8\_3.1.x86\_64  
780 libgpg-error-1.31-1.el8.x86\_64  
781 perl-HTTP-Date-6.02-19.module\_el8.3.0+416+dee7bcef.noarch  
782 python3-setuptools-39.2.0-6.el8.noarch  
783 libXcomposite-0.4.4-14.el8.x86\_64  
784 pcre-8.42-4.el8.x86\_64  
785 perl-NTLM-1.09-17.module\_el8.3.0+416+dee7bcef.noarch  
786 libdrm-2.4.101-1.el8.x86\_64  
787 libdatrie-0.2.9-7.el8.x86\_64  
788 apache-commons-collections-3.2.2-10.module\_el8.2.0+315+896aef55.noarch  
789 libunistring-0.9.9-3.el8.x86\_64  
790 kbd-misc-2.0.4-10.el8.noarch  
791 libsss\_sudo-2.3.0-9.el8.x86\_64  
792 libnl3-3.5.0-1.el8.x86\_64

793 libacl-2.2.53-1.el8.x86\_64  
794 setup-2.12.2-6.el8.noarch  
795 perl-HTML-Parser-3.72-15.module\_el8.3.0+416+dee7bcef.x86\_64  
796 perl-podlators-4.11-1.el8.noarch  
797 zlib-1.2.11-16.2.el8\_3.x86\_64  
798 lwl-config-utils-1.0.0-77464.noarch  
799 libxkbcommon-0.9.1-1.el8.x86\_64  
800 tnt-libperlnt-1.5.0-65269.noarch  
801 libnfnetwork-1.0.1-13.el8.x86\_64  
802 libuuid-2.32.1-24.el8.x86\_64  
803 lwl-module-apache-common-codec-1.15-1.noarch  
804 perl-Net-SMTP-SSL-1.04-5.el8.noarch  
805 libassuan-2.5.1-3.el8.x86\_64  
806 libtalloc-2.3.1-2.el8.x86\_64  
807 lwl-module-vms-model-0.34-1.noarch  
808 cracklib-dicts-2.9.6-15.el8.x86\_64  
809 perl-Params-ValidationCompiler-0.27-1.el8.noarch  
810 libref\_array-0.1.5-39.el8.x86\_64  
811 libseccomp-2.4.3-1.el8.x86\_64  
812 tnt-10Zig-drivers-6.5.1-2.noarch  
813 brotli-1.0.6-2.el8.x86\_64  
814 tnt-stratodesk-drivers-6.5.1-2.noarch  
815 zip-3.0-23.el8.x86\_64  
816 pciutils-libs-3.6.4-2.el8.x86\_64  
817 tnt-igateway-health-1.2.0-77346.noarch  
818 ca-certificates-2020.2.41-80.0.el8\_2.noarch  
819 hdparm-9.54-2.el8.x86\_64  
820 grub2-pc-modules-2.02-90.el8\_3.1.noarch  
821 tnt-release-6.5.1-1\_202105270949.noarch  
822 coreutils-common-8.30-8.el8.x86\_64  
823 pg\_partman\_12-4.4.1-1.rhel8.x86\_64  
824 trousers-lib-0.3.14-4.el8.x86\_64  
825 krb5-libs-1.18.2-5.el8.x86\_64  
826 net-tools-2.0-0.52.20160912git.el8.x86\_64  
827 libdb-utils-5.3.28-39.el8.x86\_64  
828 libtiff-4.0.9-18.el8.x86\_64  
829 lua-5.3.4-11.el8.x86\_64  
830 libblkid-2.32.1-24.el8.x86\_64  
831 perl-Mozilla-CA-20160104-7.module\_el8.3.0+416+dee7bcef.noarch  
832 pango-1.42.4-6.el8.x86\_64  
833 sharutils-4.15.2-11.el8.x86\_64  
834 dbus-tools-1.12.8-12.el8\_3.x86\_64  
835 perl-macros-5.26.3-416.el8.x86\_64

836 device-mapper-libs-1.02.171-5.el8.x86\_64  
837 lwl-module-slf4j-1.7.30-1.noarch  
838 perl-constant-1.33-396.el8.noarch  
839 grub2-tools-2.02-90.el8\_3.1.x86\_64  
840 GConf2-3.2.6-22.el8.x86\_64  
841 perl-Data-Dumper-2.167-399.el8.x86\_64  
842 lwl-module-objectbase-0.23-1.noarch  
843 ima-evm-utils-1.1-5.el8.x86\_64  
844 lwl-common-identity-osgi-modules-1.0.1-1.noarch  
845 perl-Net-SSLeay-1.88-1.module\_el8.3.0+410+ff426aa3.x86\_64  
846 lwl-module-apache-common-math-3.6.1-2.noarch  
847 httpd-filesystem-2.4.37-30.module\_el8.3.0+561+97fdbbcc.noarch  
848 lwl-module-vms-dao-impl-jdbc-0.38-1.noarch  
849 postgresql12-libs-12.6-1PGDG.rhel8.x86\_64  
850 lwl-module-host-dao-impl-jdbc-0.26-1.noarch  
851 perl-Role-Tiny-2.000006-2.el8.noarch