

Demystifying Ubuntu SRU

A Journey from Bug to Stable

whoami



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SRU



SRU

Stable Release Updates

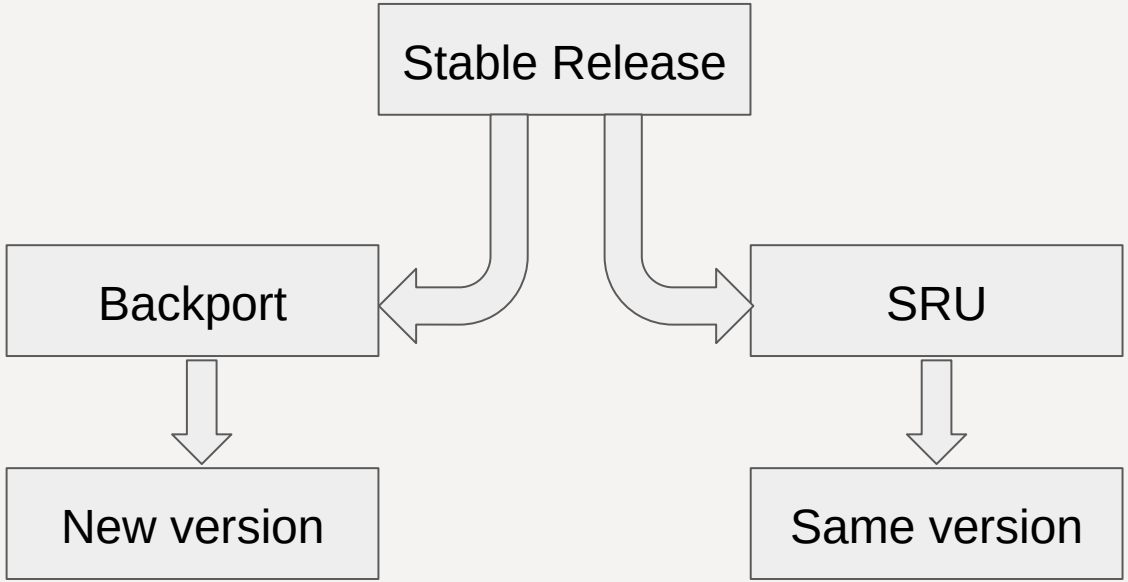
Stable Release

Releases



- Release Cycles
- 2 Releases every year
  - YY.04
    - 26.04 (Resolute Raccoon)
      - Supported till: May 2031
      - EOL: April 2041
    - 27.04 (Tenacious T-Rex)
      - Supported till: January 2028
  - YY.10
    - 26.10 (Stonking Stingray)
      - Supported till: July 2027

Updates vs. Backports



Backports

New release of package

resolute

resolute-backports

Package: yt-dlp https://launchpad.net/ubuntu/+source/yt-dlp

2026.03.17-1 -> Resolute

2026.08.19-1 -> Stonking

2026.08.19-1~bpo26.04.1 -> resolute-backports

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SRU



Same release of the package

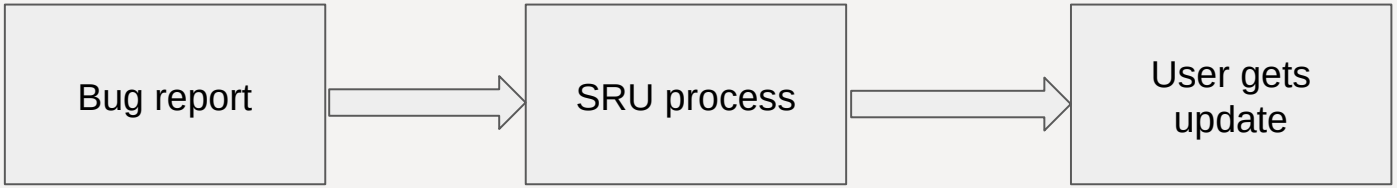
Bug fix patch is backported

Targeted Backport

Low risk

Verified

SRU - lifecycle



https://bugs.launchpad.net/ubuntu/+source/zemberek-ooo/+bug/1508290

https://bugs.launchpad.net/ubuntu/+source/fsvs/+bug/1875642

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Stage 1: The Bug Report



BUG Report

Apport Disabled by default in stable

Launchpad

Stage 2: Find the target release



Steps to reproduce the bug

Well documented bug report

Test on all releases

Jammy



Noble



Resolute

Stage 3: Find the fix



No New Feature

Build and Test

Stage 4: SRU Documentation



Bug title -> [SRU]

[Impact]

[Test Plan]

[Where problems could occur]

[Other Info]

[Original Bug Description]

Example test plan



```
[ Test Plan ]

 * login as root and use the following steps:
   - apt-get install apache2 libapache2-mod-svn fsvs
   - mkdir -p /home/REPO/REPO-svn/svn/
   - cd /home/REPO/REPO-svn/svn/
   - svnadmin create test
   - find /home/REPO -exec chown www-data:www-data {} \;
   - htpasswd -c /home/REPO/REPO-svn/.htpasswd.svn root (set a password in this step)
   - cat >/etc/apache2/mods-available/svn.conf <<EOF
        <Location /svn/>
                ### SVN ###
                DAV svn
                SVNParentPath /home/REPO/REPO-svn/svn/
                AuthUserFile /home/REPO/REPO-svn/.htpasswd.svn
                Require valid-user
                AuthType Basic
                AuthName "SVN reposity"

                AuthBasicProvider file
        </Location>
    EOF
    - ln -s /etc/apache2/mods-available/svn.conf /etc/apache2/mods-enabled/svn.conf
    - systemctl restart apache2.service
    - cd /home/ubuntu/
    - fsvs urls http://localhost/svn/test
    - fsvs
    - fsvs commit -mstart
```

Stage 5: Upload



Upload

Find sponsor

https://ubuntu.com/project/docs/contributors/uploading/find-a-sponsor/#formal-sponsorship-request

Unapproved queue

Review/Validation

Stage 6: The -proposed



SRU team approval

Package lands in -proposed

Built for all architecture by The Launchpad build farm

Autopkgtest

Stage 7: Verification



Package published in -proposed

Test from -proposed series

Add test results in bug

Tag: verification-done

Example verification

I can confirm that xxdiff-scripts from jammy-proposed has fixed the bug for me.

Test done:

installed xxdiff-scripts and subversion and execute 'xx-svn-review' to confirm it still fails to run.

Added jammy-proposed to apt sources.
install xxdiff-scripts from jammy-proposed.

followed the testplan, commited to svn and modified the file, executed "xx-svn-diff" and it showed the window with the diff

(not in testplan) Also, tested with the command 'xx-svn-review 1 2' which worked.

Package tested:

```
$ apt-cache policy xxdiff-scripts
xxdiff-scripts:
  Installed: 1:5.0~b1+git20211103+dfsg-1ubuntu0.1
  Candidate: 1:5.0~b1+git20211103+dfsg-1ubuntu0.1
  Version table:
 *** 1:5.0~b1+git20211103+dfsg-1ubuntu0.1 500
        500 http://gb.archive.ubuntu.com/ubuntu jammy-proposed/universe amd64 Packages
        500 http://gb.archive.ubuntu.com/ubuntu jammy-proposed/universe i386 Packages
        100 /var/lib/dpkg/status
     1:5.0~b1+git20211103+dfsg-1 500
        500 http://gb.archive.ubuntu.com/ubuntu jammy/universe amd64 Packages
        500 http://gb.archive.ubuntu.com/ubuntu jammy/universe i386 Packages
```

tags:added: verification-done verification-done-jammy verification-done-mantic verification-done-noble
removed: verification-needed verification-needed-jammy verification-needed-mantic verification-needed-noble

Waiting period



Mandatory 7 day wait

Promotes to -update

Phasing



Thank You.

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