



# CentOS project announcement

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# Red Hat and CentOS History

# Evolution of Open Source Commercial Business & Development Models

## Enterprise Linux Ecosystem

### v1.0: **Fedora Model**

Red Hat Linux splits into Fedora and RHEL to balance innovation and stability and establish Red Hat's business model.

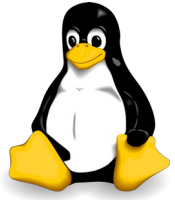
### v2.0: **CentOS Model**

CentOS enabled as a foundation for Origin, OKD, RDO and Wildfly, balancing business needs with innovation on top of RHEL.

### v3.0: **Stream Model**

Balance faster development with easier contributions by aligning all the communities into a mutually reinforcing ecosystem.

# Code that is developed upstream of us gets pulled into Fedora first



Linux Kernel

Fedora

Red Hat Enterprise Linux

CentOS Linux

Community space

Private space

Partner, Upstream, Community



**Audience:**  
Developers



**Audience:**  
Enterprises  
Application development partners



**Audience:**  
Cost-sensitive users  
Ecosystem developers



**Focus:**  
OS innovation, architecture changes



**Focus:**  
Stability, security, and performance



**Focus:**  
No cost and easy to acquire



**Pace:**  
Fast moving: major release every 6 months



**Pace:**  
Predictable release cadence



**Pace:**  
Released several months after Red Hat Enterprise Linux

# Every three years, we fork Fedora's code and make it into RHEL



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# After we build RHEL, the same source gets rebuilt as CentOS Linux



Linux Kernel



Fedora



Red Hat Enterprise Linux






CentOS Linux




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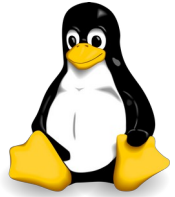
Partner, Upstream, Community

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# Enterprise Linux Ecosystem (Circa 2014)



Linux Kernel

Fedora

Red Hat Enterprise Linux

CentOS Linux

Community space

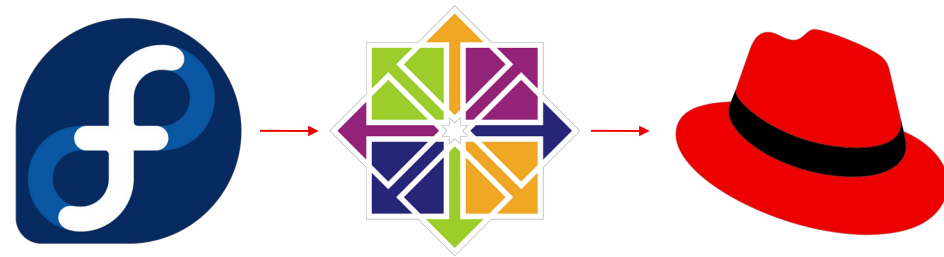
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# CentOS Stream

## What is it?

**2019: CentOS Stream is a Linux development platform** from the CentOS Project designed to increase transparency and collaboration around the Red Hat® Enterprise Linux® development process.

Open to anyone, CentOS Stream is the development stream of the next minor release of Red Hat Enterprise Linux.

It allows developers, partners, and end customers a more streamlined process for influencing Red Hat Enterprise Linux and by extension their future infrastructure or ecosystem.

Where can you get it?



<https://centos.org/download>



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# What was announced



Red Hat's investment will shift from CentOS Linux to CentOS Stream beginning December 31, 2021.

## Red Hat

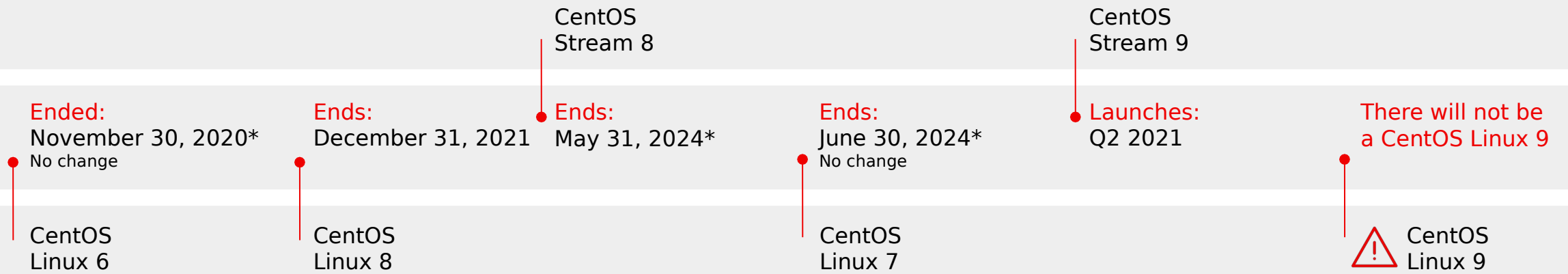
- ▶ We believe CentOS Stream represents the best way to further drive Linux innovation by giving customers and the broader ecosystem a closer connection to the development of Red Hat Enterprise Linux
- ▶ Positive interest in CentOS Stream since its introduction in 2019, including public statements from Facebook and Intel
- ▶ As an open source platform for development, CentOS Stream will become an innovation hub for Red Hat Enterprise Linux
- ▶ Red Hat will be offering low- and no-cost options to ease the transition from CentOS Linux



## CentOS Stream is the future focus of the CentOS community

### CentOS Project

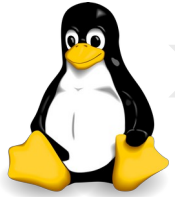
- ▶ Shifting focus to a contribution model to have more influence over RHEL
- ▶ SIGs are focused on readying software for the next release of Red Hat Enterprise Linux and extending it.
- ▶ The Project recommends migrating to CentOS Stream 8 or considering Red Hat Enterprise Linux for production environments



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# The Red Hat Enterprise Linux Ecosystem of Today

# Enterprise Linux Ecosystem (circa 2021)



## Fedora

## CentOS Stream

## Red Hat Enterprise Linux

### Linux Kernel

Community space

Shared space

Private space

- ▶ Contributions welcomed and encouraged
- ▶ A packaged integration of upstream
- ▶ Take risks, do experiments
- ▶ An Open Source community
- ▶ Focused on more than the Enterprise

- ▶ Contributions welcomed and encouraged
- ▶ Variants are encouraged through Special Interest Groups (“SIGs”)
- ▶ Contributions curated by Red Hat
- ▶ Continuously delivers the next minor version of Red Hat Enterprise Linux
- ▶ Focused on the future of the Enterprise

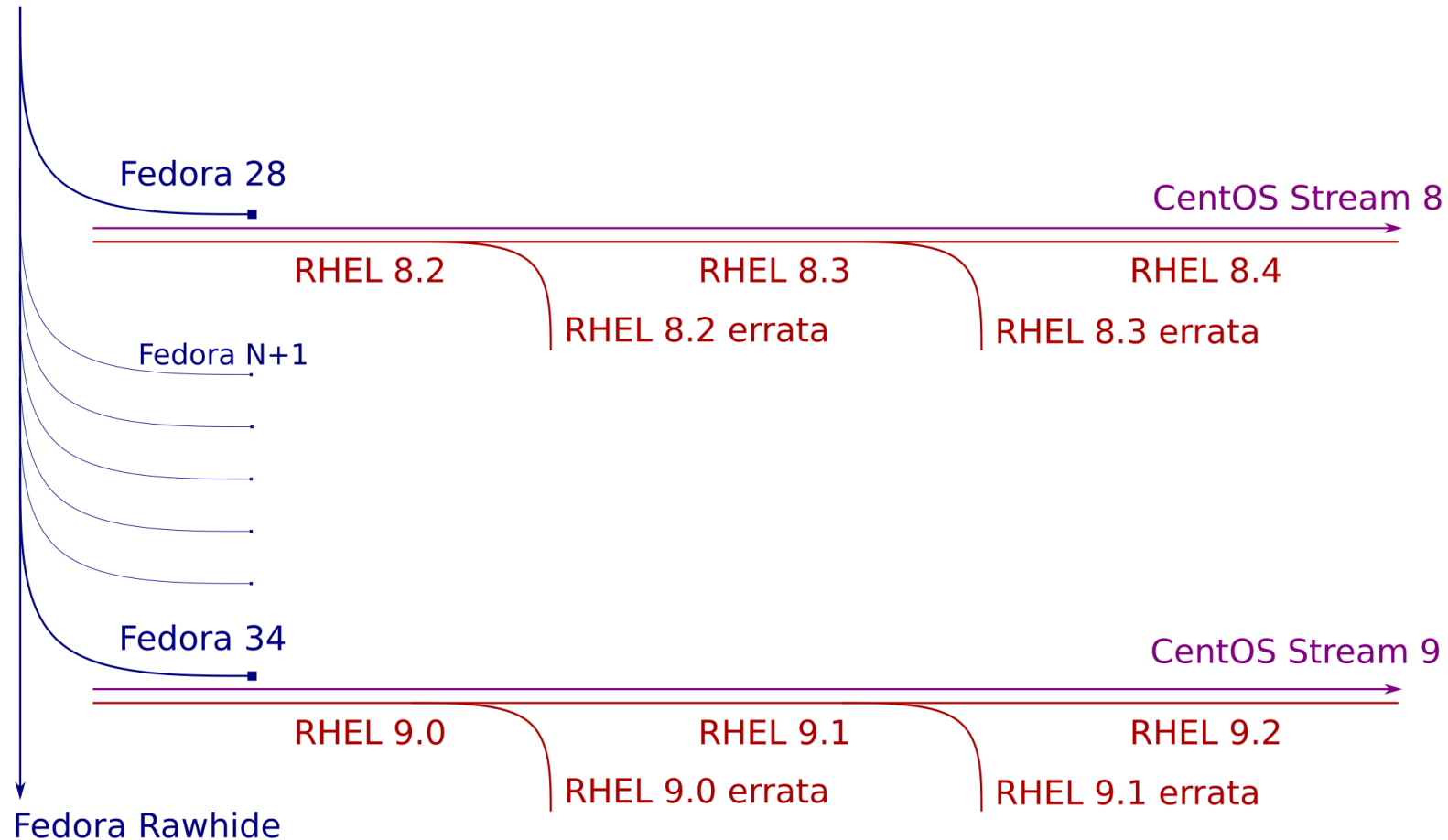
- ▶ Private until after release
- ▶ Under Embargo
- ▶ NDA and CVE work
- ▶ Accessible only via subscription
- ▶ Focused on today’s Enterprise

- 👤 Operating System developers
- 🔍 OS innovation, architecture changes
- 🕒 Fast moving, major release every 6 months

- 👤 Community and partners
- 🔍 Develop, test, contribute to next version of RHEL
- 🕒 Continuous stream of new content

- 👤 RHEL customers and partners
- 🔍 Stability, security, performance
- 🕒 Predictable release cadence

# Red Hat Enterprise Linux Ecosystem Relationships



# No-Cost Developer Alternatives (more to come)



## CentOS Stream

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- ▶ Variants are encouraged through Special Interest Groups (“SIGs”)
- ▶ Contributions curated by Red Hat
- ▶ Continuously delivers the next minor version of Red Hat Enterprise Linux

- Ecosystem developers
- Develop, test, contribute to the next RHEL
- Continuous stream of new content



## Red Hat Enterprise Linux

Universal base image

- ▶ Safe, secure, and free-of-charge redistributable container base image
- ▶ Production deployment on Red Hat Enterprise Linux and across Red Hat’s open hybrid cloud portfolio
- ▶ Enables compatible container images with other operating systems

- Developers creating cloud-native enterprise apps
- Containerized development
- Flexible based on your organizations’ development cycles



## Red Hat Enterprise Linux

Developer subscription

- ▶ Free-of-charge, self-supported subscription for individuals
- ▶ Development or test environment for applications that are meant to be deployed on Red Hat Enterprise Linux

- Individual developers
- Application development on RHEL
- Predictable release cadence

# Red Hat Enterprise Linux is for Production



## Red Hat Enterprise Linux

- ▶ Stable, secure, and high-performing operating system
- ▶ Identify and remediate compliance and configuration risks with included Red Hat Insights
- ▶ 10+ years supported life cycle
- ▶ The hub of a large hardware and software ecosystem
- ▶ Available through developer, embedded, public clouds, and a variety of partner programs



RHEL customers and partners



Stability, security, performance



Predictable release cadence



# Which Platform is Right for You?

- ▶ Operating System development and desktop use cases: **Fedora**
- ▶ Hassle-free and secure OS for your home lab: **Red Hat Developer program**
  - [developers.redhat.com](https://developers.redhat.com)
- ▶ Dev & CI/CD to ensure RHEL+1 compatibility: **CentOS Stream**
- ▶ Developing containerized applications: **RHEL UBI**
- ▶ Participate in RHEL development: **CentOS Stream**
- ▶ Running mission critical workloads: **RHEL**
- ▶ Developing software for resale or hardware: **Red Hat Partner Connect Program**
  - [connect.redhat.com](https://connect.redhat.com)

# Programs In Progress

- ▶ Red Hat Developer program Improvements
  - Streamlined Access, Easier Cloud Deployments
  - Small Production and Incubation Use Cases
- ▶ Open Source & Standards Projects Program
- ▶ High-Performance Computing
- ▶ Academic, National Labs, and Research Institutions
- ▶ Not-for-profit, Governments, and Non-Governmental Organizations
- ▶ Hosting Companies
- ▶ Easier Partner Evaluation Licensing
- ▶ Partner Bundling/Install Experience

If these options seem helpful, or if you do not see your use case here, please email:

[\*\*centos-questions@redhat.com\*\*](mailto:centos-questions@redhat.com).

*This is not a sales process. We want to learn more about what you need.*

# Thank you

Red Hat is the world's leading provider of enterprise open source software solutions. Award-winning support, training, and consulting services make Red Hat a trusted adviser to the Fortune 500.

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