



FEDORA KDE FOR THE CLOUD

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WHO ARE WE?

David Duncan

- Contributor and package maintainer in Fedora
- Chair of Fedora Cloud WG
- Member of Fedora Mindshare Committee
- Member of CentOS Hyperscale SIG
- Member of CentOS Alternative Images SIG
- Senior Manager, Partner Solutions Architecture at Amazon Web Services, Inc.

Neal Gompa

- Open Source Advocate
- Contributor and package maintainer in Fedora and CentOS
- Member of Fedora Engineering Steering Committee (FESCo)
- Chair of Fedora Asahi SIG
- Chair of Fedora KDE SIG
- Member of the KDE, e.V.
- Member of Fedora Workstation, Fedora Cloud, and Fedora Server WGs
- Co-chair of CentOS Hyperscale SIG
- Member of CentOS Alternative Images SIG
- Co-host of the Sudo Show podcast
- Principal Consultant at Velocity Limitless



DESKTOPS IN THE CLOUD



VIRTUAL DESKTOP INFRASTRUCTURE

Desktops on-demand

Virtual Desktop Infrastructure (VDI) is an incredibly popular option for enabling success with technology. In particular, it enables *safe* experimentation, easy access, and can reduce costs for strained organizations trying to deliver useful experiences to people.



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DEVELOPING FOR THE CLOUD IN THE CLOUD

“Full” developer experience

Despite advances in web-based developer IDEs, a lot of really good development experiences can only be done with a full desktop experience, especially cloud-based software.

Linux shines here with high quality software for developing software!



Preferred operating systems survey excerpted from StackOverflow Developer Survey 2022

FEDORA KDE FOR THE CLOUD



FEDORA KDE

Fedora KDE SIG

The Special Interest Group (SIG) packages and maintains the Qt stack and KDE software ecosystem for Fedora (and RHEL, starting with RHEL 8).

We develop and maintain variants of Fedora media with KDE software on it.

Also... fedoraloveskde.org



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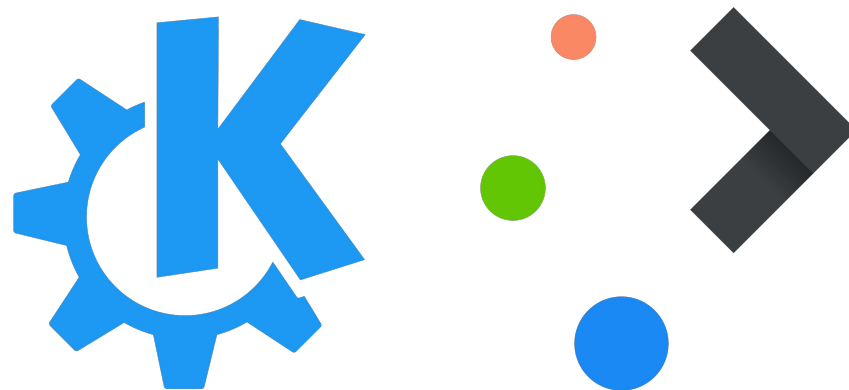
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FRESH KDE PLASMA

Always latest KDE software

The Fedora KDE SIG has a policy of continuously updating KDE Plasma for the latest stable releases of Fedora Linux.

As part of enabling that, the Fedora KDE SIG collaborates closely with the KDE community to help support our needs.



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ARTIFACTS



fedora-kiwi-descriptions

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</> Source

Pull Requests 1

Stats

Overview

Files

Commits

Branches

Forks

Releases

fedora-kiwi-descriptions

Created 2 years ago

Maintained by ngompa

Fedora image build descriptions for the KIWI image build tool

★ Star 0

👁 Watch 5

👤 Members 5

rawhide 3668bfa teams/cloud/cloud: add console="serial" to grub2

 František Zatloukal committed 9 days ago

fedora-kiwi-descriptions

This project is used to manage the Fedora KIWI image descriptions used in composing Fedora release images.

The `rawhide` branch is used for Fedora Rawhide images and each release branch is used by that release.

All changes should be made via the PR workflow.

Image variants

Please look at [VARIANTS](#) for details on the available configurations that can be built.



Build Cloud KDE Workstation using Ansible

- Readme
- Apache-2.0 license
- Activity
- Custom properties
- 1 star
- 1 watching
- 1 fork

Report repository

Releases

1 tags

Conan-Kudo fix: use correct install path for weston-start-kde-plasma ac4cac5 · 11 hours ago 18 Commits

files add: Weston KDE Plasma startup script 11 hours ago

inventory chore: update the ansible inventory configuration 9 months ago

playbooks fix: use correct install path for weston-start-kde-pl... 11 hours ago

templates add: include the security group configuration for s... 9 months ago

.gitignore chore: let git ignore emacs backup and undo files last week

LICENSE Initial commit 9 months ago

README.md Initial commit 9 months ago

ansible.cfg chore: update the ansible inventory configuration 9 months ago

All based on the ansible - planning includes support for the arm64 on EC2.

```
$ ansible-playbook --private-key ~/.ssh/id_rsa-previous -i inventory/cloud-instances-aws_ec2.yaml -e "ec2_architecture=x86_64" ./playbooks/build_kde_instance.yml
```

```
PLAY [Deploy a base instance for KDE Build] *****
```

```
TASK [Gathering Facts] *****
```

```
ok: [localhost]
```

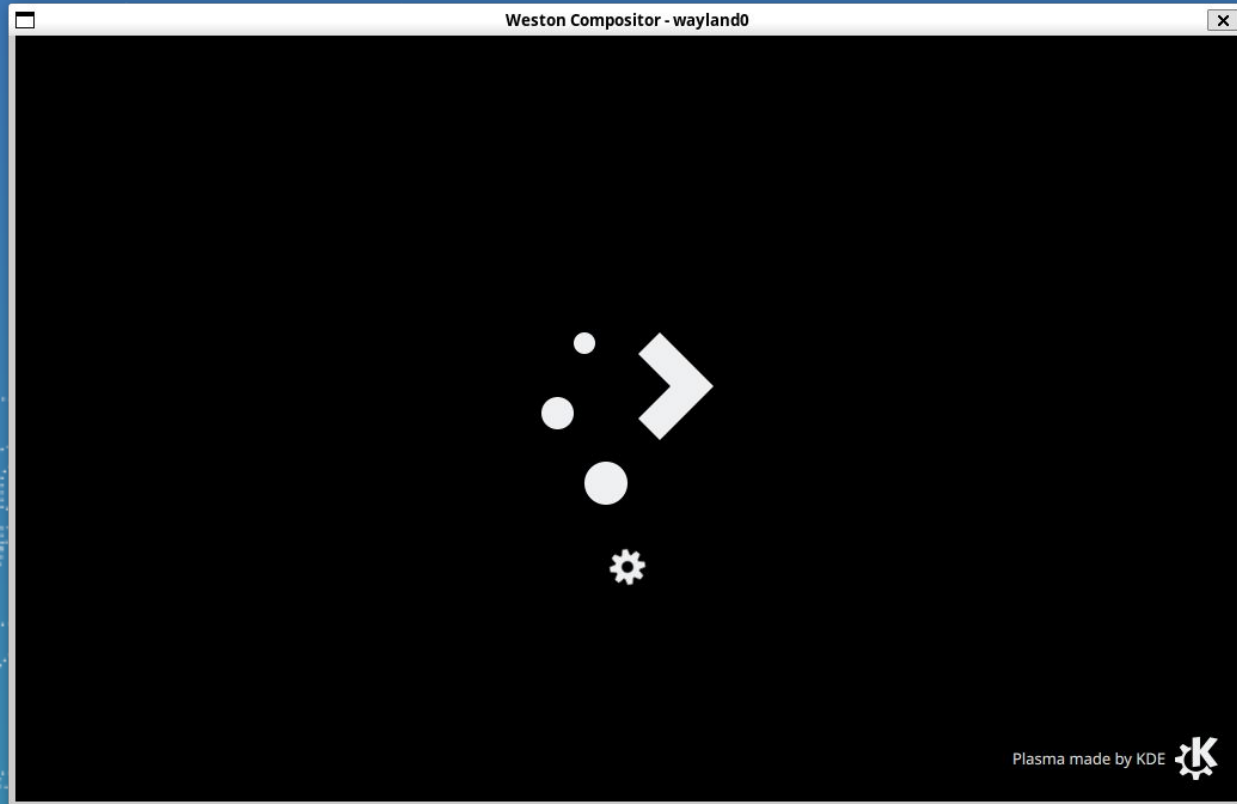
```
TASK [identify the current IP address from which this is being run] *****
```

```
ok: [localhost]
```

```
TASK [Use this address in the security group configuration] *****
```

```
ok: [localhost]
```

KDE Plasma running remotely through WayPipe nested in Weston



FUTURE FEATURES



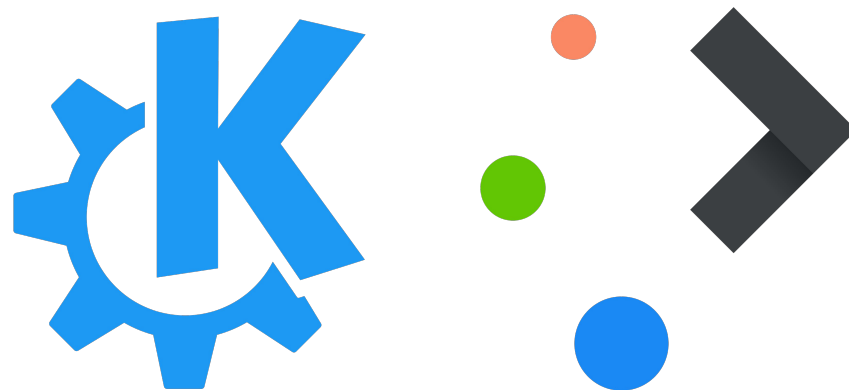
HEADLESS KDE PLASMA 6

Wayland+RDP for 6.1

Fedora is about working with upstreams to enable bringing features first to users. This is also balanced by the skillset of the KDE SIG and where we spend time and effort.

With KDE Plasma 6, Fedora KDE is shipping *only* a Wayland session. The KDE community is working on enabling support for headless KDE Plasma Wayland environment using RDP through a new component called [krdp](#).

With this, we can have a fully open-source stack for cloud desktops in **any** and **every** cloud without nesting in Weston.





























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FEDORA KDE SIG

Join Us

- Project issue tracker:
pagure.io/fedora-kde/SIG
- Mailing list:
kde@lists.fedoraproject.org
- Matrix:
[#kde:fedoraproject.org](https://matrix.fedoraproject.org/#kde:fedoraproject.org)

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QUESTIONS?

