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

Desks 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.
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 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](http://fedoraloveskde.org)
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.
ARTIFACTS
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.
<table>
<thead>
<tr>
<th>Path</th>
<th>Description</th>
<th>Commit Time</th>
</tr>
</thead>
<tbody>
<tr>
<td>files</td>
<td>add: Weston KDE Plasma startup script</td>
<td>11 hours ago</td>
</tr>
<tr>
<td>inventory</td>
<td>chore: update the ansible inventory configuration</td>
<td>9 months ago</td>
</tr>
<tr>
<td>playbooks</td>
<td>fix: use correct install path for weston-start-kde-plasma</td>
<td>11 hours ago</td>
</tr>
<tr>
<td>templates</td>
<td>add: include the security group configuration for s...</td>
<td>9 months ago</td>
</tr>
<tr>
<td>.gitignore</td>
<td>chore: let git ignore emacs backup and undo files</td>
<td>last week</td>
</tr>
<tr>
<td>LICENSE</td>
<td>Initial commit</td>
<td>9 months ago</td>
</tr>
<tr>
<td>README.md</td>
<td>Initial commit</td>
<td>9 months ago</td>
</tr>
<tr>
<td>ansible.cfg</td>
<td>chore: update the ansible inventory configuration</td>
<td>9 months ago</td>
</tr>
</tbody>
</table>
All based on the ansible - planning includes support for the arm64 on EC2.

```
$ ansible-playbook --private-key ~/.ssh/id_rsa-previous -i inventory/cloud-instance-e-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.
FEDORA KDE SIG

Join Us

- Project issue tracker: pagure.io/fedora-kde/SIG
- Mailing list: kde@lists.fedoraproject.org
- Matrix: #kde:fedoraproject.org
QUESTIONS?