



presented by

Máirín Duffy

Principal Interaction Designer, Red Hat, Inc.

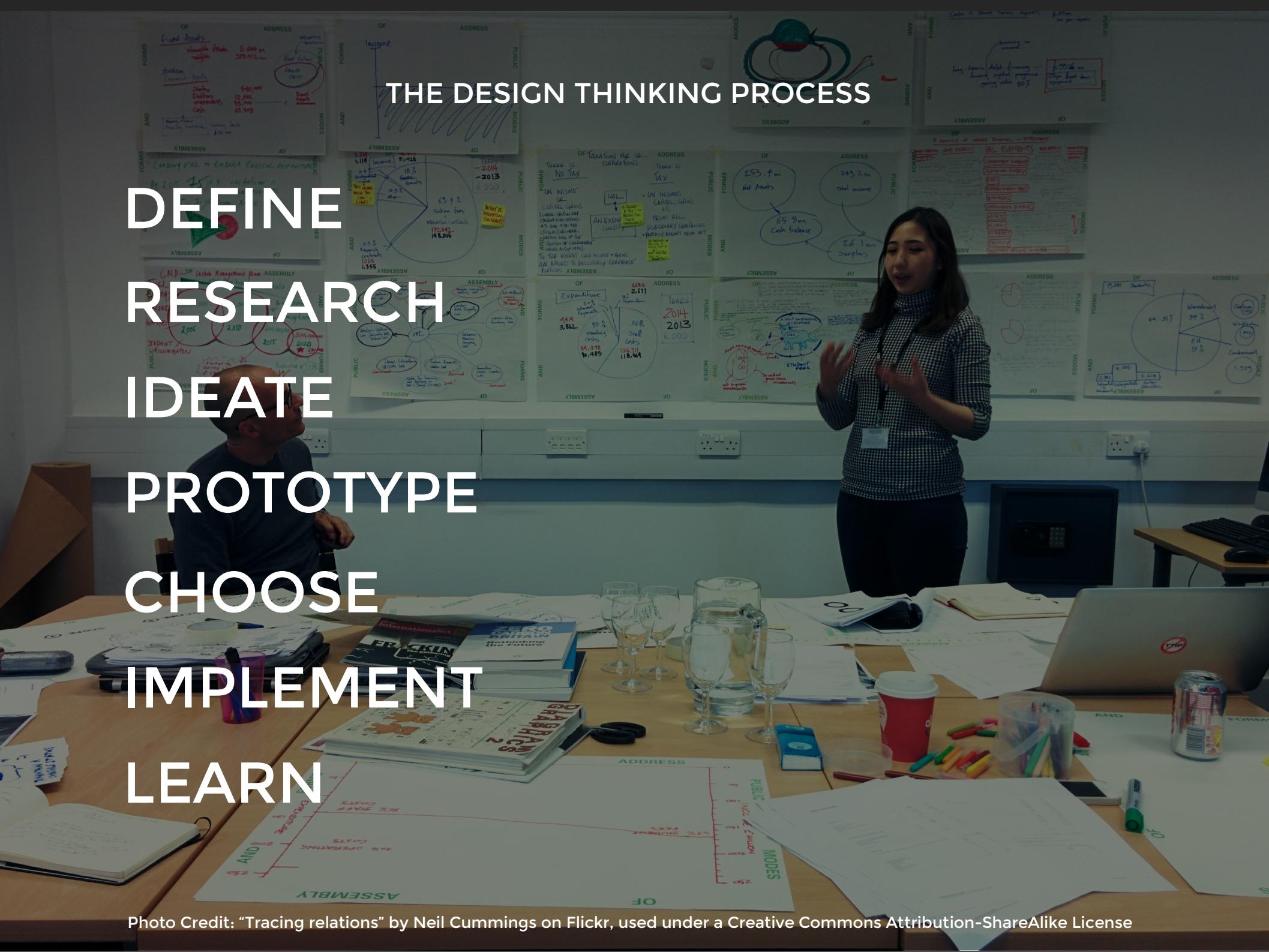


redhat.

fedora^f

Who Am I?

DEFINE RESEARCH IDEATE PROTOTYPE CHOOSE IMPLEMENT LEARN



HOMEWORK PROBLEM:

The Greater Boston area has been hit with a deluge of snow! It's causing all sorts of problems for people in your town – especially the elderly and those living with disabilities. They need help to clear snow and ice from their roofs and gutters, or their roof could leak or even collapse from the weight of the snow!

Can you come up with an idea for an app that allows these homeowners to find people to remove the snow for them?

What solutions did you come up with?

Did you discover any interesting insights in your research?

DEFINE

RESEARCH

IDEATE

PROTOTYPE

CHOOSE

IMPLEMENT

LEARN

Review of Social Problem Session

What was the hardest part of the experience for you?

What happened?

How did it make you feel?

Did you have any new insights or “Aha!” moments during the experience?

DEFINE

RESEARCH

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Review of Social Problem Session

What was the hardest part of the experience for you?

What happened?

How did it make you feel?

Did you have any new insights or “Aha!” moments during the experience?

Write out one of your impressions on a post-it and come up and tack it up.

DEFINE

CREATE
③

RESEARCH

IDEATE

PROTOTYPE

CHOOSE
IT'S ABOUT
THEATRE

IMPLEMENT
IN UN-CONTROLLED
ENVIRONMENTS

LEARN

AUDIENCE
INTERESTED IN
IDEA NOT THE
EXPERIENCE

SPIRIT OBJECTS
(the location from
where we are in it)

PERSUASIVE
NARRATIVES AS
SUPERIORITY OF
DISBELIEF - IS IT
THE ONLY MODEL?

HOW DO WE
TRANSFORMATIVE
EXPERIENCES
OUT OF DATA

DEALING
WITH
UNPREDICTABILITY

Drafting
Letting the "real
world" fill the
gaps

INFORMATION
YOU PROVIDE +
INFORMATION
THE AUDIENCE
ADAPT

Surveillance cameras
Big Data
Predictive Data
Data harvesting

INTERACTIVITY
DRIVES
DIVERGENCE

71 Bots

- WEAVRS -

- replicants.org -

- Naked on Pluto -

Virtual agents - new relationships
data harvesting
enhancing virtual self
expanding social sphere
commodification of self/friends
how long before it takes control?
exploits you?

CHAIR: MATT ADAMS

OPENING: KATE GENEVIEVE

Affinity Mapping Exercise

②

AUDIENCE

④

DISTRIBUTION

(~7 minutes)

①

"THE FIELD" Questions.

Discourse, style, language
metaphors, history, value

How does government and policy concern ideas and
jargon intersect/shape the questions we ask and the goals/ideas we think we should be pursuing?

IS INNOVATION AN
UNHELPFUL AND
CORROSION TERM?
IS RHETORIC OF
INNOVATION
OVER-USSED + REDUNDANT

The rhetoric
of computation
is memory and
remembering.
What is the cultural
value of forgetting
long term
perspectives
responsibilities

WILL WE END
UP IN THE
SAME SPACE
AS MY PERTEXT?

HOW CAN WE BE
BETTER ENGAGED
WITH THE
LINEAGE OR
PRACTICE

HOW DO WE ARTICULATE
THE HISTORY OF
THIS FIELD OF WORK?

WHAT ABOUT THE
FUNDING CULTURE
OF "NEW AND
ADDITIONAL"?

→ THIS FIELD
OF WORK JUST
A FAO?

? ?
immersion v. mobility
? ?
BALANCE BTW.
SOLO, IMMERSIVE
LOOSE, OPEN, SOCIAL

THE PROBLEM
WITH AGENCIES
LIKE NESTA -
DRIVEN BY GOV
AGENDAS NOT CREATIV

WHAT IS
POP VERSION
MASS MEDIA
OR ALIVE ART?

ART ON ENTERTAINMENT
- who care?
only the stakeholders
care about

THRESHOLDS TO
ENTRY - AUDIENCE
CHALLENGED/DON'T
GET THE WORK

DESIGNING OUT TECHNOLOGY
(IN ORDER TO BE MORE
INCLUSIVE)

CHAIR: JU
OPENING: ANNE

CHAIR: MATT L
OPENING: PAUL

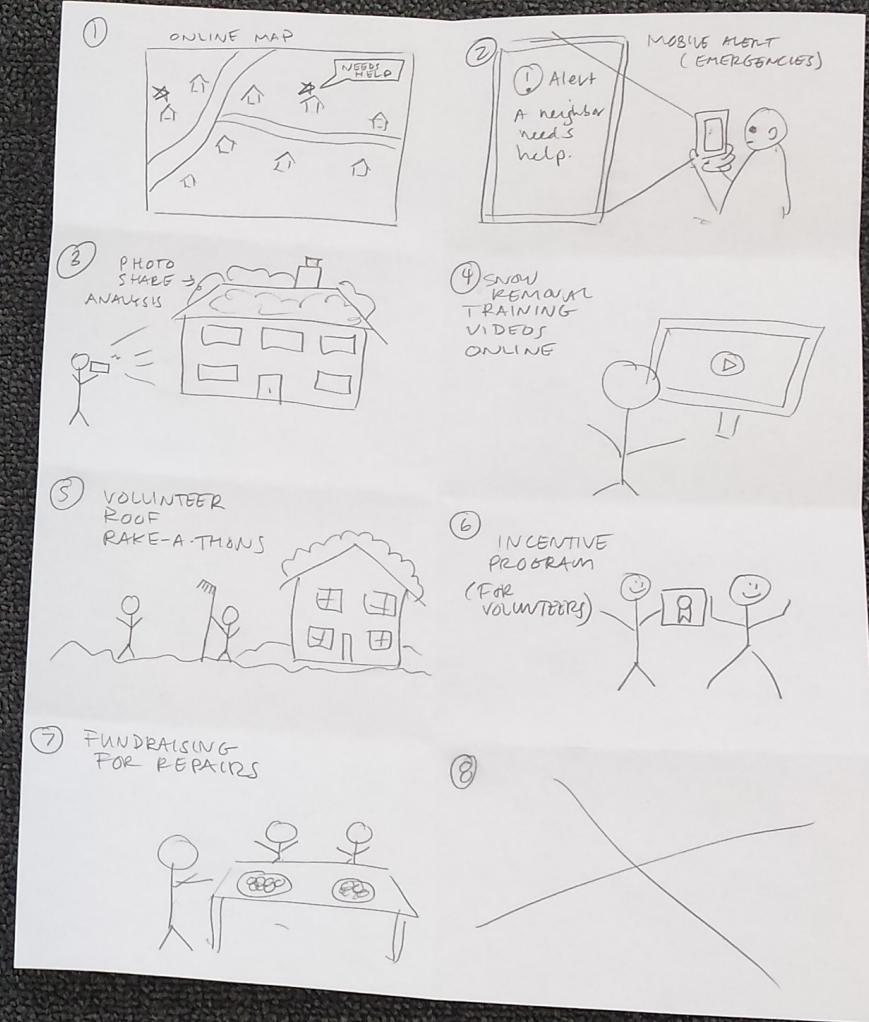
CHAIR: WAYNE
OPENING: TIM W?

DEFINE
RESEARCH
IDEATE
PROTOTYPE
CHOOSE
IMPLEMENT
LEARN

6-8-5 Brainstorm (5 minutes)

RULES OF THE GAME:

- QUANTITY not quality!
- Silly ideas make great brain food!
- Don't worry about the details.
- Quick sketches – not fine art!
- Stick figures are awesome.



DEFINE

RESEARCH

IDEATE

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Share Your Ideas (5 minutes per partner)

- Which ideas seem most promising?
- What could make them better?
- Are there existing products / services you could draw inspiration from?

DEFINE
RESEARCH
IDEATE
PROTOTYPE
CHOOSE
IMPLEMENT
LEARN

PROTOTYPE

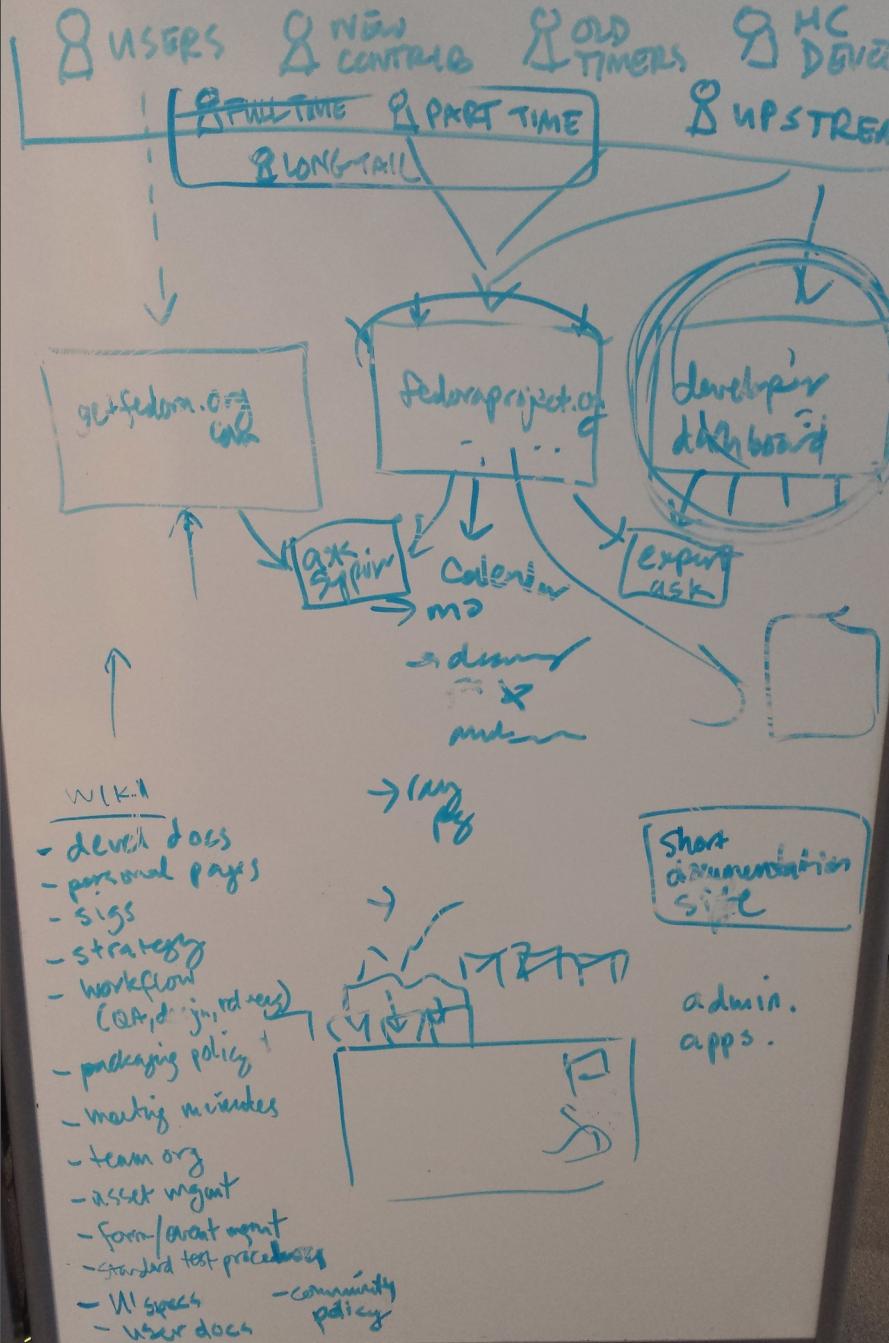


"A rough proof-of-concept to see if an idea is worth it to (continue to) pursue."

Photo Credit: Public Domain image, US Library of Congress.
First flight of the Wright Flyer I, December 17, 1903, Orville piloting, Wilbur running at wingtip.

IDEATION

Whiteboard discussion



EARLY CONCEPT PROTOTYPE

Inkscape mockup



Developers, this is
the Linux desktop you've
been waiting for.

[Take the tour](#)

[Download now](#)



More detailed explanation of
what Fedora Workstation is
and how it is simply awesome
and totally desirable to use.

Testimonial from actual
developers who use Fedora
to do the kinds of things
the developers we'd like to
attract actually do.

Highlight of a feature you
get with Fedora that makes
it compelling to use (e.g.
software collections) for devs.

ITERATION BASED ON FEEDBACK

Inkscape mockup



fedora

A photograph of a dark-colored laptop sitting on a light-colored wooden desk. The laptop screen shows a desktop interface with a weather widget displaying "70 °F Clear Sky".

Developers, this is the Linux desktop you've been waiting for.

[Take the tour](#)

[Download now](#)

Fedora Workstation is a reliable, user-friendly, and powerful operating system for laptops and PC hardware. It supports a wide range of developers, from hobbyists & students to corporate environments.

A photograph of a man with short brown hair, seen from the side and back, working on a laptop at a desk. The laptop screen is visible, showing the same desktop environment as the top image.

“Fedora makes me more productive. The desktop design helps me concentrate on the task at hand.”

Ryan Lerch,
UX and web developer

Some features we know you'll like:

FINAL IMPLEMENTATION

www.getfedora.org/workstation

Fedora Workstation – Mozilla Firefox

F Fedora Worksta... ×
https://getfedora.org/en/workstation/ DuckDuckGo

WORKSTATION fedora

This is the Linux workstation you've been waiting for.

Download now

Fedora Workstation is a reliable, user-friendly, and powerful operating system for your laptop or desktop computer. It supports a wide range of developers, from hobbyists and students to professionals in corporate environments.



"The plethora of tools provided by Fedora allows me to get the job done. It just works."

— Christine Flood, JVM performance engineer

Sleek user interface

Focus on your code in the GNOME 3 desktop environment. GNOME is built with developer feedback and minimizes distractions, so you can concentrate on what's important.

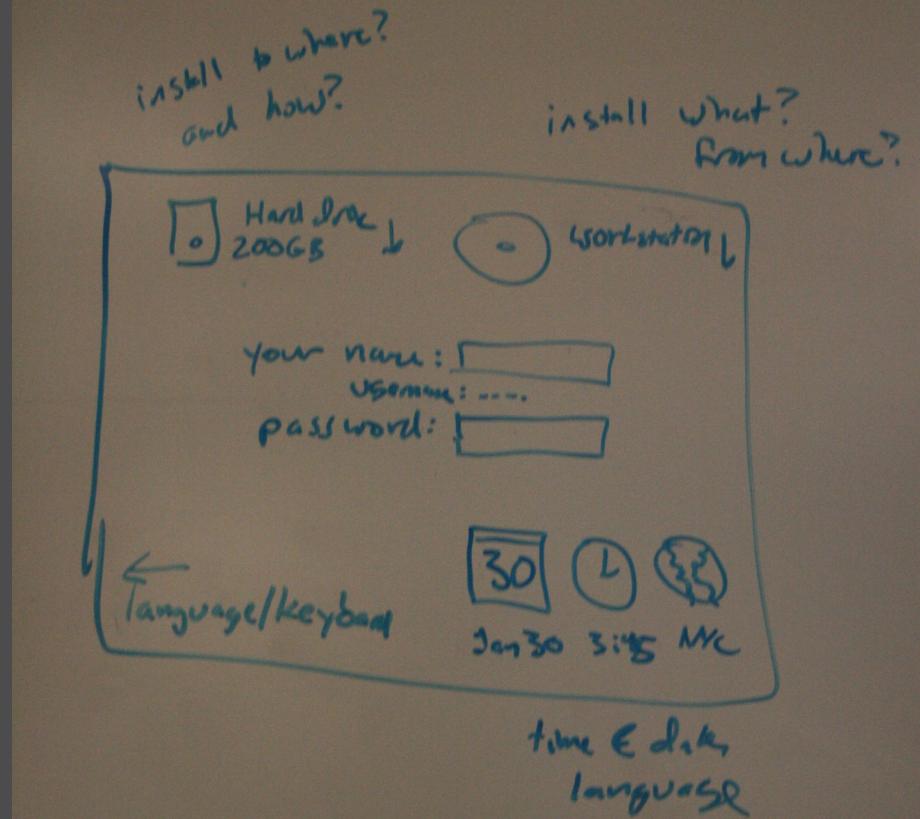


Complete open source toolbox

Skip the drag of trying to find or build the tools you need. With Fedora's complete set of open source languages, tools, and utilities, everything is a click or command line away. There's even project hosting and repositories like COPR to make your code and builds available quickly to the community.

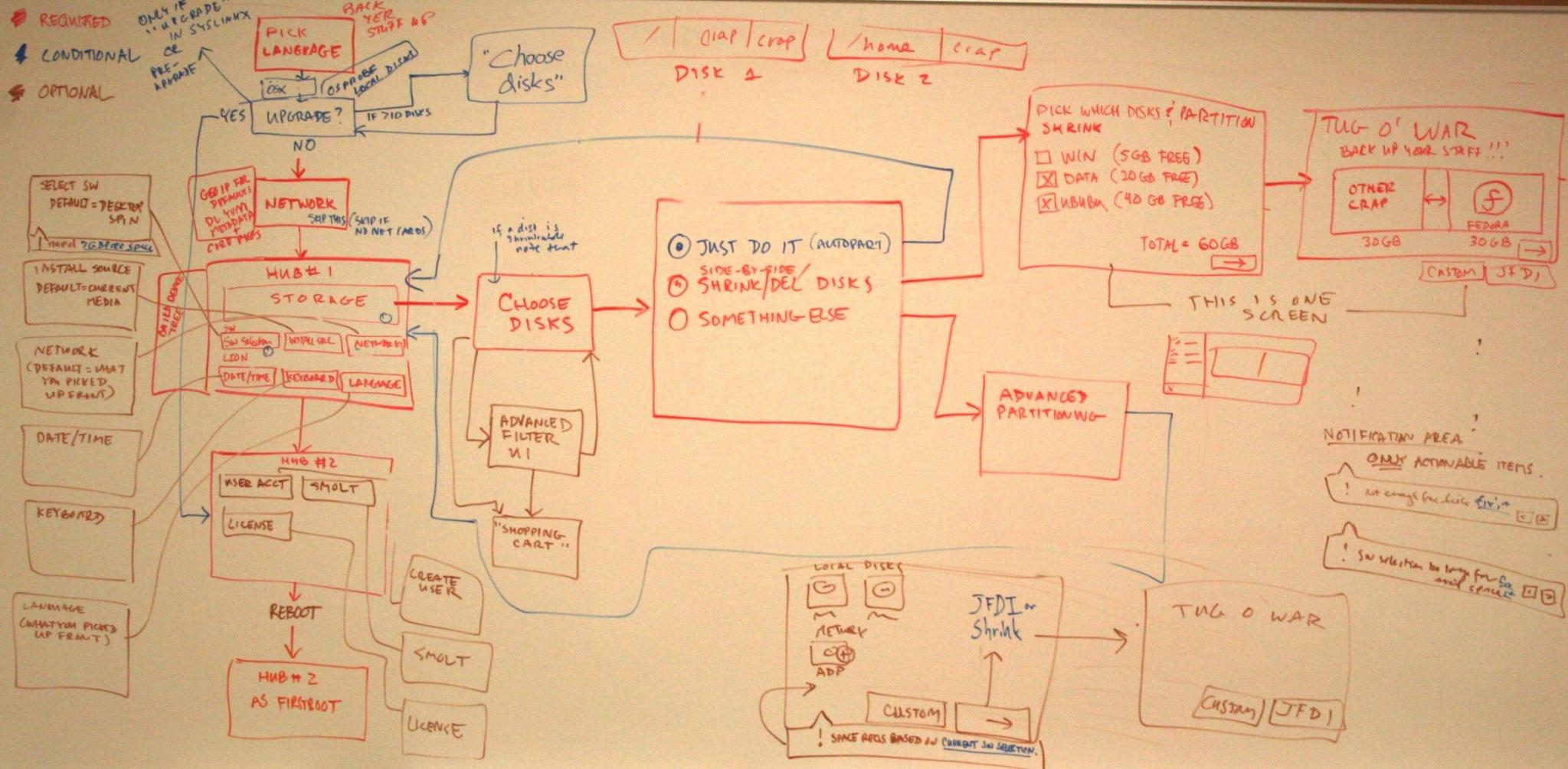
IDEATION

(Whiteboard discussion)



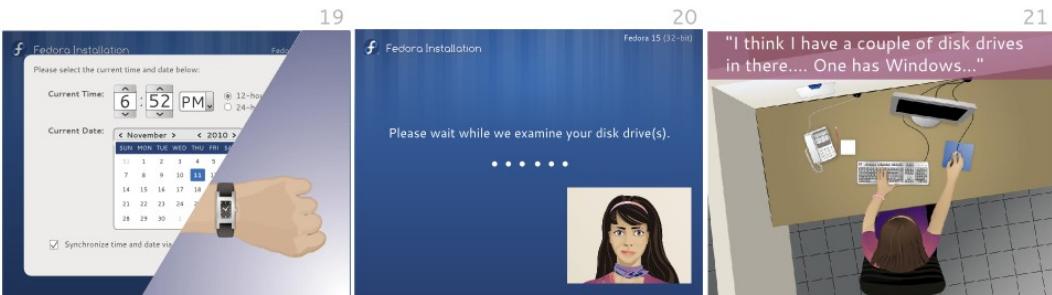
MORE IDEATION

(Much more detailed whiteboard discussion)



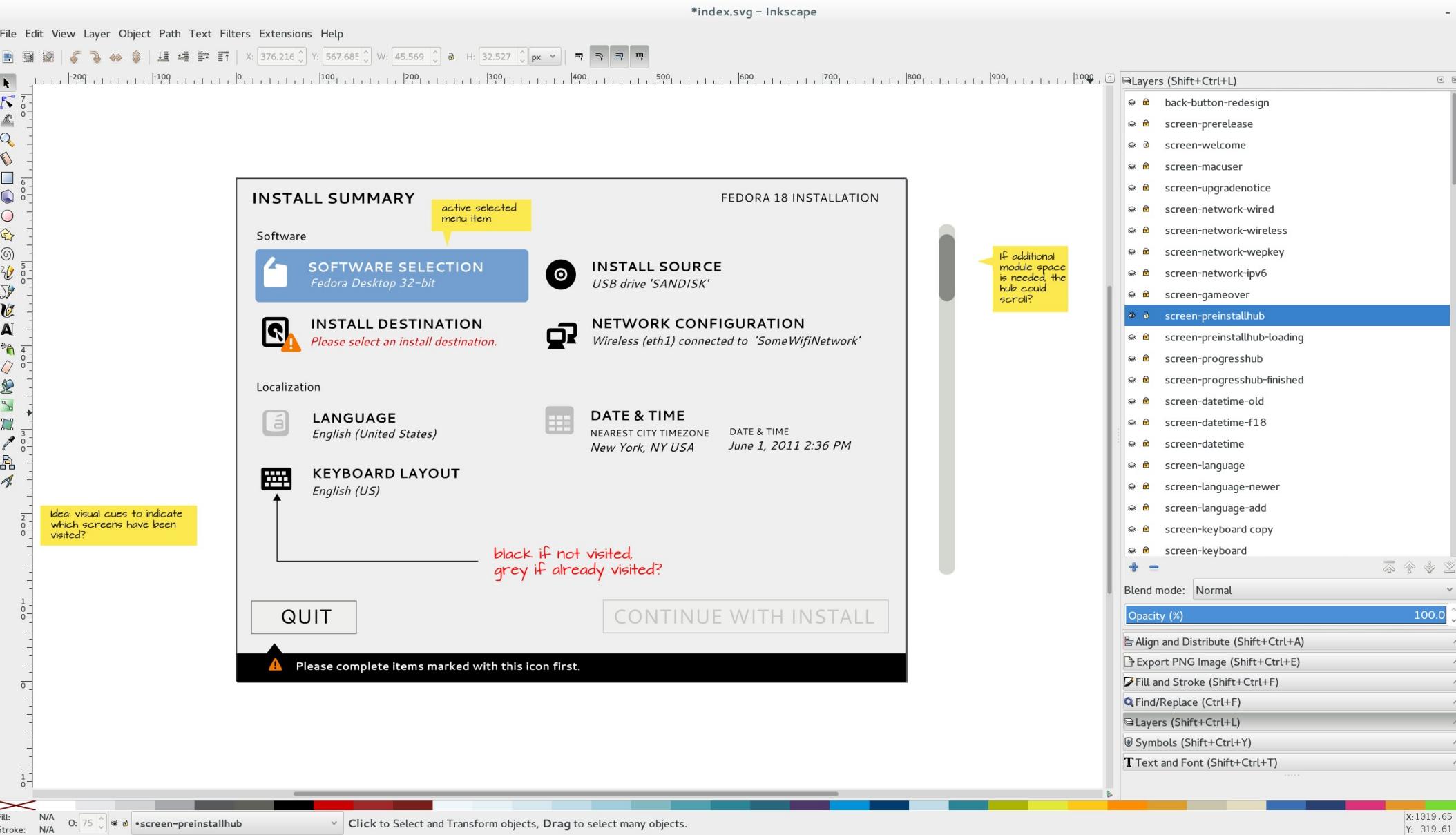
COMIC PROTOTYPE

(Created in Inkscape)



MOCKUP PROTOTYPE

(Created in Inkscape, even more detail)



EARLY IMPLEMENTATION

(Actual working code)

INSTALLATION SUMMARY FEDORA 18 INSTALLATION

LOCALIZATION

 DATE & TIME
America/New_York timezone

 KEYBOARD
English (English (US))

SOFTWARE

 INSTALLATION SOURCE
CD/DVD drive

 SOFTWARE SELECTION
GNOME Desktop

NETWORK CONFIGURATION

Wired (eth0) connected

STORAGE

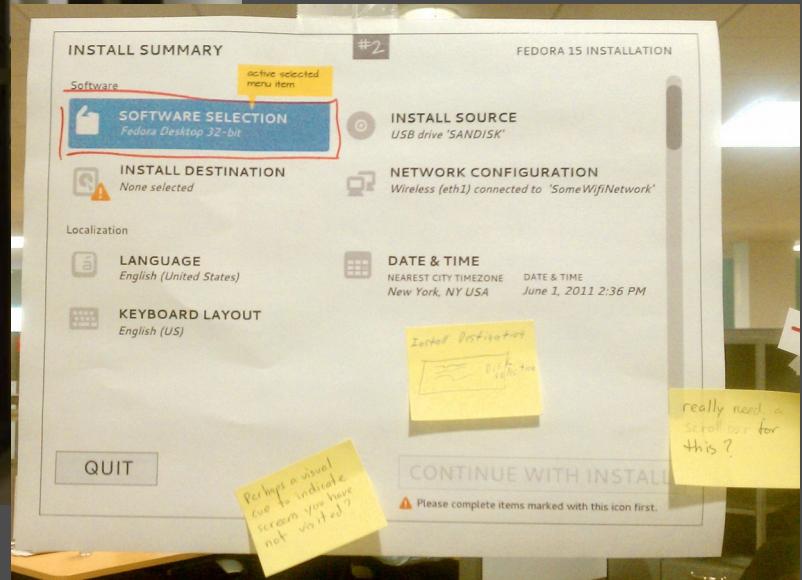
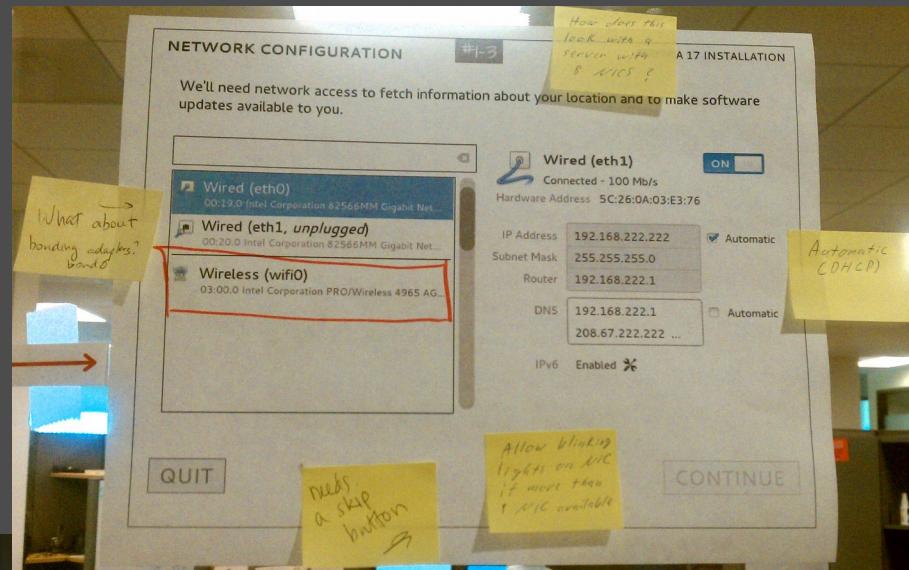
 INSTALLATION DESTINATION 
No disks selected

Quit Begin Installation

 Please complete items marked with this icon before continuing to the next step.

PROTOTYPE FEEDBACK

(via crowd sourcing / paste-up)



PROTOTYPE FEEDBACK

(via usability testing)

4:00 PM

Anaconda F19 TC 1 usability test results from Boston tests - Mozilla Firefox

Anaconda F19 T... +

https://www.redhat.com/archives/anaconda-devel-list/2013-April/msg00000.html DuckDuckGo

[Date Prev] [Date Next] [Thread Prev] [Thread Next] [Thread Index] [Date Index] [Author Index]

Anaconda F19 TC 1 usability test results from Boston tests

- From: MÁirín Duffy <duffy fedoraproject.org>
- To: Discussion of Development and Customization of the Red Hat Linux Installer <anaconda-devel-list redhat.com>
- Subject: Anaconda F19 TC 1 usability test results from Boston tests
- Date: Thu, 04 Apr 2013 14:25:40 -0400

Hi folks,

We ran a test of 4 experienced system administrators (current RHEL users) in the Westford Red Hat office last week. Attached is my write-up of how the tests went along with a list of all of the issues encountered across users.

It's in both markdown and HTML format. The markdown is pretty readable as plain text.

~

anaconda usability test notes

MÁirín Duffy

Background: We had 4 experienced system administrators run through the Fedora 19 TC 1 Anaconda UI. They were given sheets outlining a specific LVM or RAID disk layout they were supposed to configure, and were otherwise asked to explore the user interface and let us know what they thought. They used a VM with two vda disks connected; one was 8 GB and one was 6 GB. The storage specifications we gave them required the usage of both disks.

Participant #1

- Her company runs RHEL 5, so she doesn't normally read the latest docs.
- RHEL 5.5=>5.6 - see if it works.
- Only have a couple of RHEL 6 systems.
- Has trouble unlocking gnome-shell screensaver.

Screen 1 - Welcome/Language

- Checkbox for default layout
- Beta nag

Hub #1

- Hovers over 'installation source', clicks on it

Installation Source Spoke

- Looks at 'update' checkbox... "I don't want updates"
- Plays with 'install media' checkboxes, "Typically we use kickstart." Checks off auto-detected media option.
- Clicks on 'done' in the upper left.

Hub #1

- Clicks on 'Software Selection'

Software Selection

- Looks through the list on the left
- "I want RHEL 7 OS only. I don't want a webserver or anything. What do I choose?" Looks through the list.
- Clicks on infrastructure server - "I thought that one would be the best"
- She didn't scroll the list and didn't seem to realize the list scrolled... so she never saw the minimal installation.
- "I don't want a desktop."

PROTOTYPE FEEDBACK

(magazine review!)

Fedora 18 revisited: Cinnamon, Xfce, LXDM, and a 'wow' for anaconda 4 – Page 4 | ZDNet – Mozilla Firefox

Connecting... www.zdnet.com/pictures/fedora-18-revisited-cinnamon-xfce-lxdm-an DuckDuckGo Search ZDNet Log In | Join ZDNet

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Topic: Linux Follow via: [RSS](#) [Email](#)

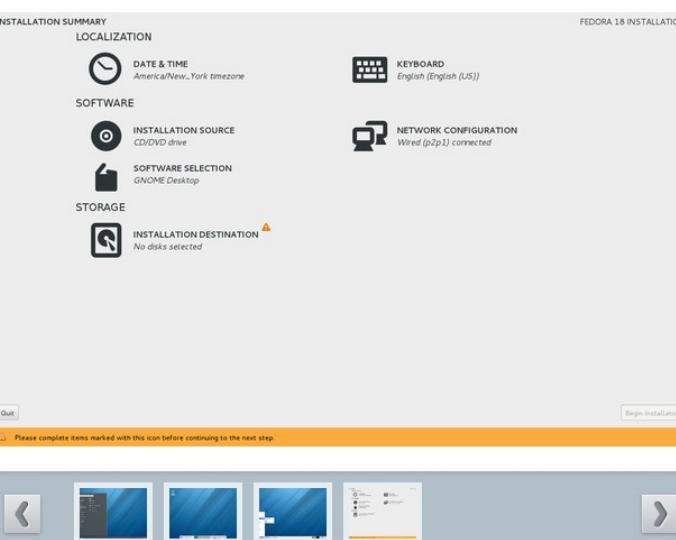
Fedora 18 revisited: Cinnamon, Xfce, LXDM, and a 'wow' for anaconda

Summary: Cinnamon, Xfce, LXDM and more comments on anaconda: the fun never stops!

By J.A. Watson for Jamie's Mostly Linux Stuff | January 21, 2013 -- 10:29 GMT (02:29 PST)
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Image 4 of 4 Previous | Next



The Fedora anaconda installer

I would like to add a few more words about *anaconda*. In my previous post about *Fedora 18*, I tried to include some tips specifically about the disk and partition allocation operations, because I felt I got rather lost in that part and thought others might need help.

I've been rather blunt in my comments and criticism of *anaconda*, both here in my own blog and in comments I've posted elsewhere. But on reflection, I think it's important to remember that writing a program like *anaconda* is a huge task: it's extremely complex and absolutely full of variations, different paths to the final goal (installing Linux), tons of minute details, every one of which has got to be exactly right. And the complexity is increasing, not decreasing. Get anything wrong, often even in the smallest detail, and you end up with a failed install — or even worse, with an unbootable or even wiped disk or an otherwise unusable system. I have never worked on or contributed to *anaconda* (other than flippant criticism), but from having been on other such projects I can tell you that you seldom hear about how well you have done, but you always hear (generally at high volume) when

Related Stories

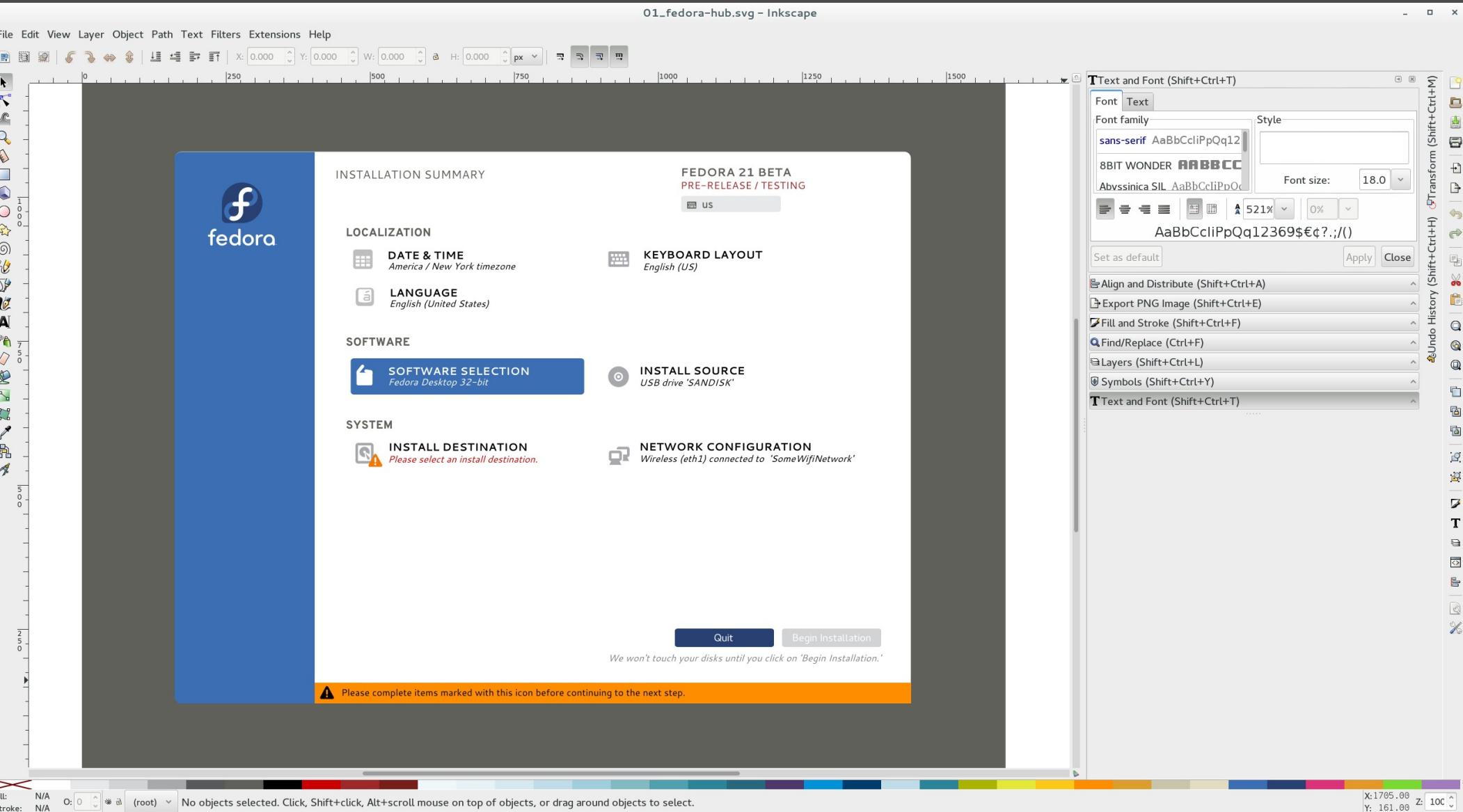
- Red Hat Developer Toolset 3.1 beta arrives
- Linux pre-release Testbed continued, adding LMDE 2 Betsy beta
- Red Hat 7.1 is here, CentOS 7.1 coming soon
- Building a pre-release Linux testbed with openSUSE, Fedora, Ubuntu, and more

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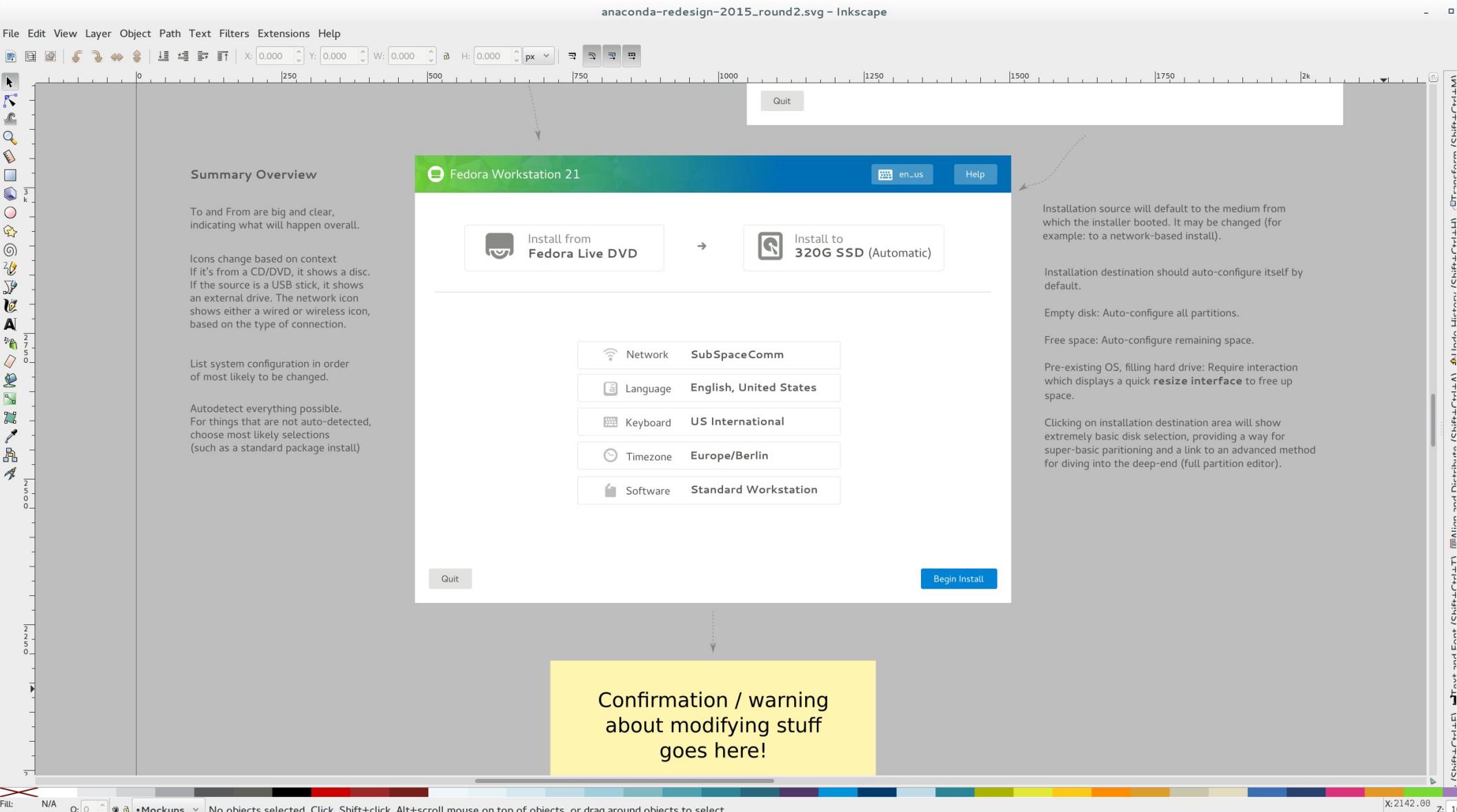
MORE INKSCAPE PROTOTYPES

(Iterations based on feedback)



MORE INKSCAPE PROTOTYPES

(Even more iterations based on more feedback)



PHYSICAL OBJECT PROTOTYPING

(with 3D printing)

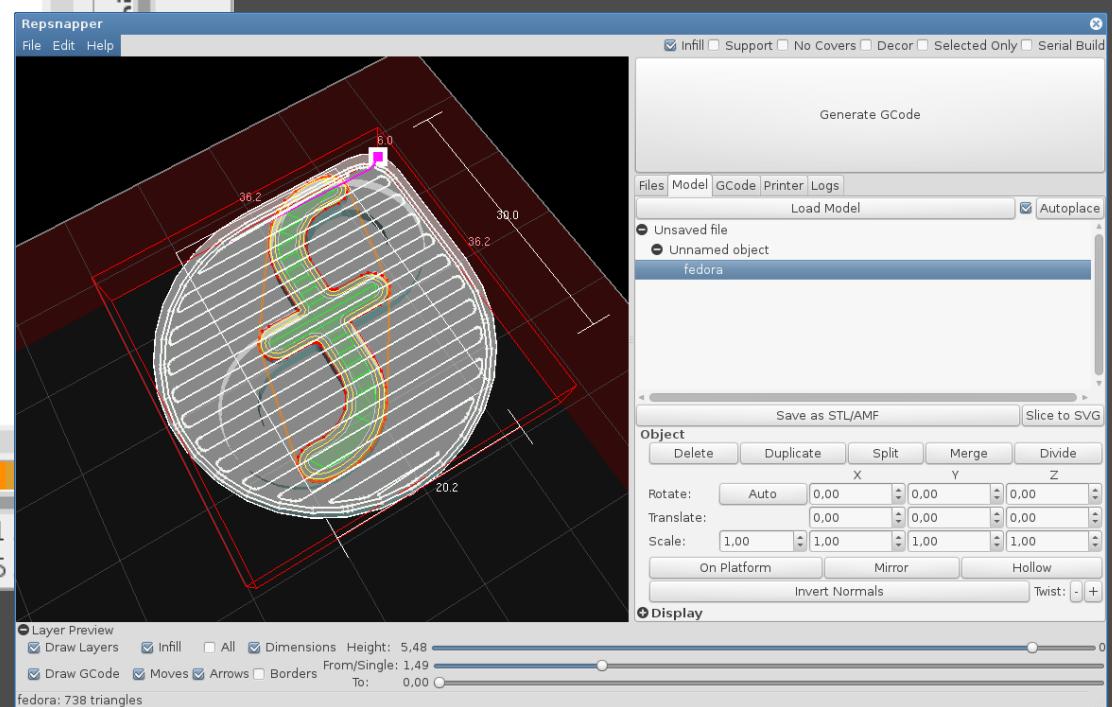
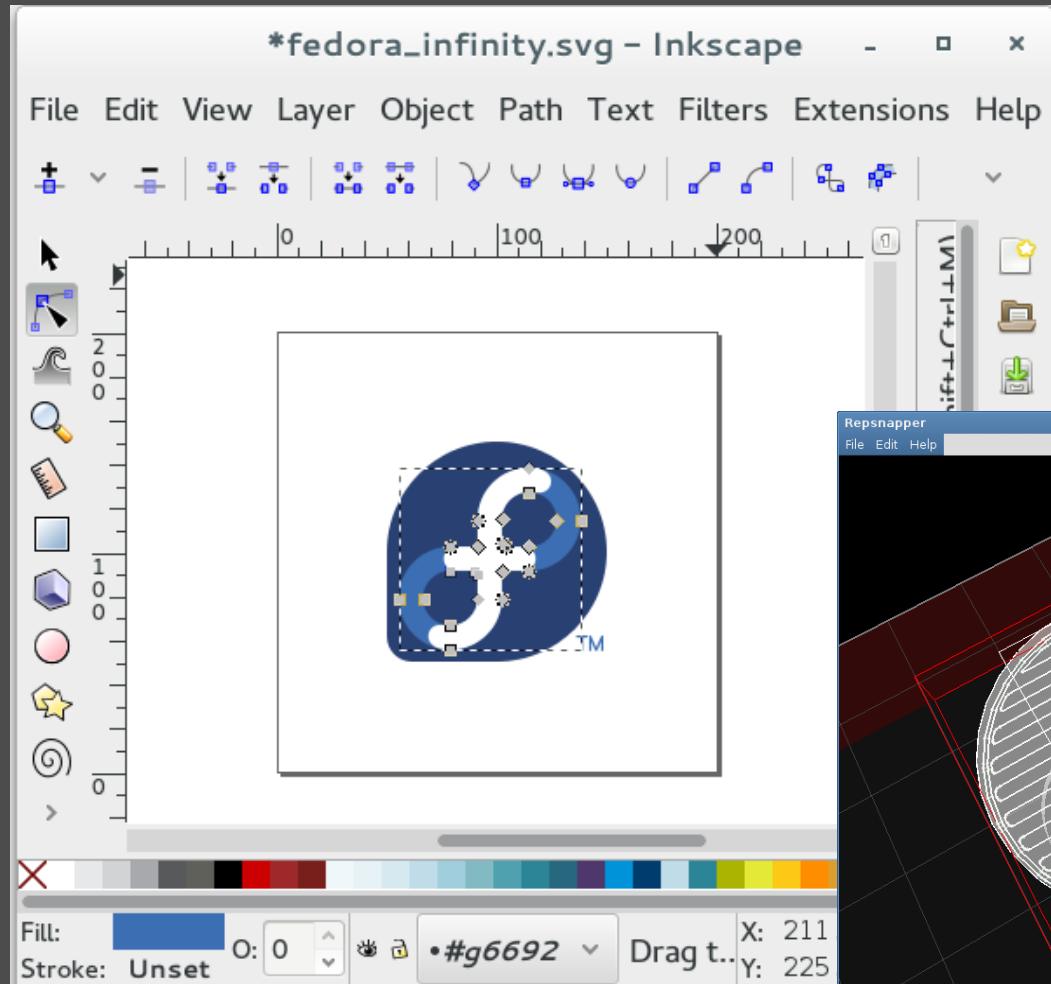
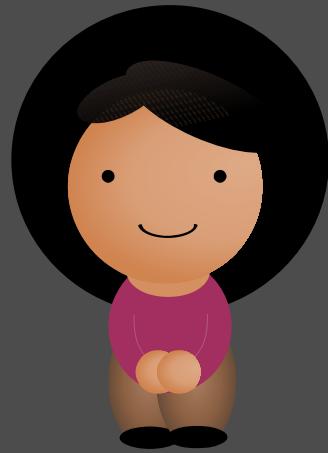




Photo Credit: Miro Hrončok, used under a Creative Commons Attribution 3.0 license.

Questions?



Thanks to my Fedora Design Team pal María 'Tatica' Leando for designing the cute characters throughout these slides. :)