Fedora Graphs!

Reimagining charts for purposes inside Fedora Universe

Onuralp Sezer

@thunderbirdtr

Fedora W&A Team Member
Fedora Mindshare Elected Representative
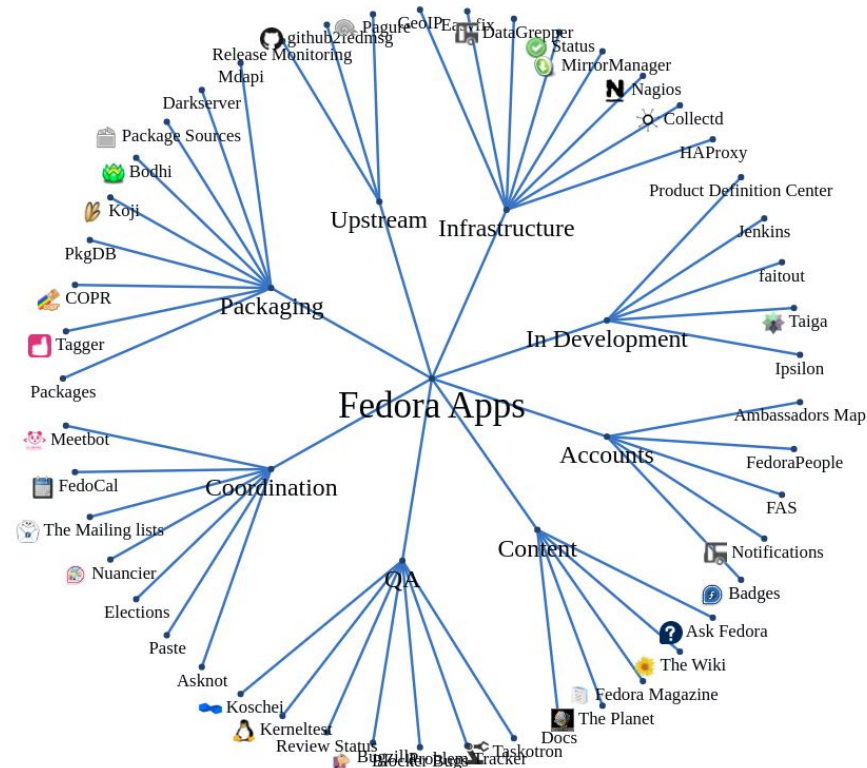
Akashdeep Dhar

@ace1999dhar

Fedora W&A Objective Revamp Lead
Red Hat CPE Member

What do we plan

from infra import apps

Recreate the Fedora Apps Directory with modern features

websites@lists.fedoraproject.org

Plans

- Avoid jQuery as much as possible and stick to native JavaScript DOM function

- Obsolete the use of JavaScript InfoVis Toolkit which has not been maintained since the last six years

- Have static templating wherever it seems fit while extending interaction to dynamic elements

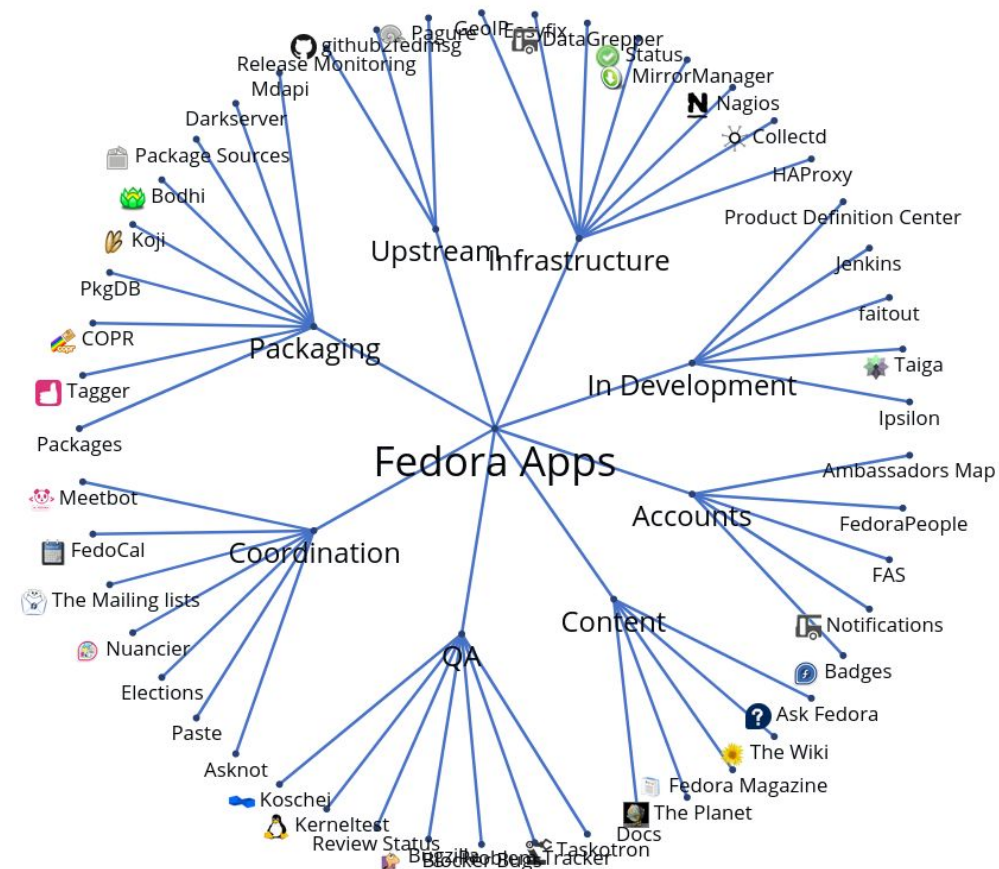- Add responsiveness to variable viewport widths and heights

GO ON, SCAN THE QR CODE and PAY IT A VISIT :)

websites@lists.fedoraproject.org

fedora

Ideas

- Revamp Fedora Apps Directory

- Using more modern frontend content

- Add advanced interaction using elements imported from JSON documents and SVG images

- Make easier/interactive for user to access

  - Custom pop-ups

  - Click events
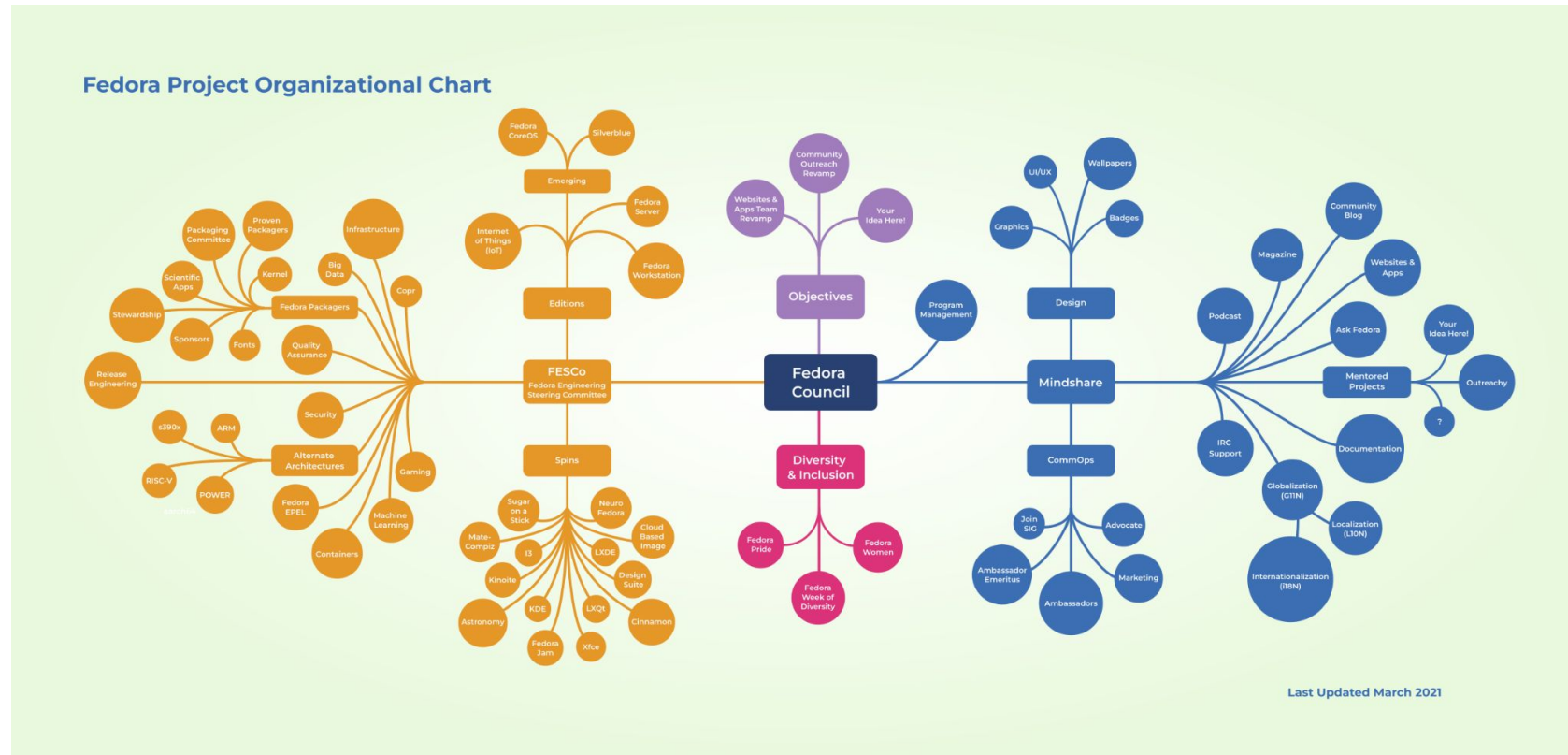
CREATING **MOAR CHARTS** *FOR OUR PROJECTS!*

Progress

from design import orgchart

Recreate the Fedora Organizational Chart with User Interactivity

Technologies used

STICKING to the MAINTAINED DEPENDENCIES

- Bootstrap

- Apache eCharts

- PopperJS

- jQuery (temporarily)

- We did with ❤️

```html
1  <!doctype html>
2  <html lang="en">
3    <head>
4      <meta charset="utf-8">
5      <meta name="viewport" content="width=device-width, initial-scale=1">
6      <link href="https://cdn.jsdelivr.net/npm/bootstrap@5.0.2/dist/css/bootstrap.min.css"
7            rel="stylesheet"
8            integrity="sha384-EVSTQN3/azprG1Anm3QDgpJLIm9Nao0Yz1ztcQTwFspd3yD65VohhpuuCOmLASjC"
9            crossorigin="anonymous">
10     <script src="https://cdn.jsdelivr.net/npm/echarts@5.1.2/dist/echarts.min.js"
11           integrity="sha256-TI0rIaxop+pDlHNVI6kDCFvmpxNYUnVH/SMjknZ/WOY="
12           crossorigin="anonymous">
13     </script>
14     <script src="https://cdn.jsdelivr.net/npm/bootstrap@5.0.2/dist/js/bootstrap.bundle.min.js"
15           integrity="sha384-MrcW6ZMFYlzcLA8Nl+NtUVF0sA7MsXsP1UyJoMp4YLEuNSfAP+JcXn/tWtIaxVXM"
16           crossorigin="anonymous">
17     </script>
18     <script src="https://code.jquery.com/jquery-3.6.0.min.js"
19           integrity="sha256-/xUj+3OJU5yExlq6GSYGSHk7tPXikynS7ogEvDej/m4="
20           crossorigin="anonymous">
21     </script>
22     <link rel="preconnect" href="https://fonts.googleapis.com">
23     <link rel="preconnect" href="https://fonts.gstatic.com" crossorigin>
24     <link href="https://fonts.googleapis.com/css2?family=Montserrat:wght@400;700&family=Overpass:ital@0;1&display=swap" rel="stylesheet">
25     <script src="jscn/orgndata.js"></script>
26     <script src="jscn/teamdata.js"></script>
27     <script src="jscn/pjctdata.js"></script>
28     <script src="jscn/sitedata.js"></script>
29     <script src="jscn/appsdata.js"></script>
30     <script src="jscn/makegraf.js"></script>
31     <title>Fedora Websites and Apps</title>
```

fedora

Picking coordinates...
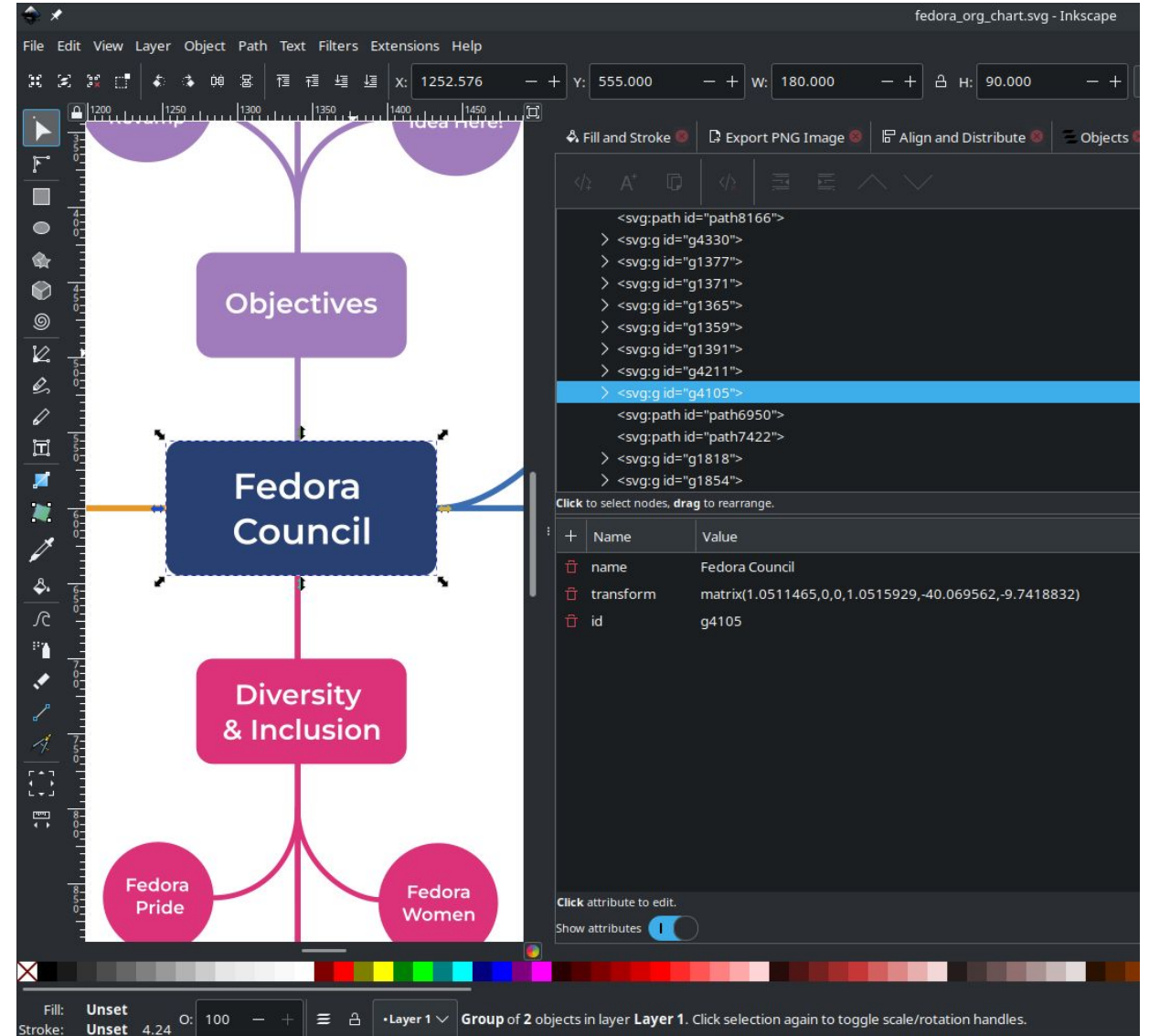
DECIDING LINKS, COLORS, ANGLES
and COORDINATES

- Graphs can be loaded up via JSONs of a custom schema

- Sticks to the technicality of JavaScript with the use of DOM elements

- Opens up possibilities of finer adjustments

- Collaboration is can slightly challenging and technical in nature

```
 43        {
 44            "id": "fron",
 45            "name": "Frontend/Design",
 46            "symbolSize": 50,
 47            "x": -25,
 48            "y": 0,
 49            "value": "Create",
 50            "category": 2,
 51            "extra": "Frontend/Design"
 52        },
 53        {
 54            "id": "onur",
 55            "name": "Onuralp Sezer",
 56            "symbolSize": 25,
 57            "x": 25,
 58            "y": 25,
 59            "value": "thunderbirdtr",
 60            "category": 3,
 61            "extra": "Ambassador and Packager at Fedora Project"
 62        },
 63        {
 64            "id": "vipu",
 65            "name": "Vipul Siddharth",
 66            "symbolSize": 25,
 67            "x": 25,
 68            "y": -25,
 69            "value": "siddharthvipul",
 70            "category": 3,
 71            "extra": "Software Engineer at Red Hat CPE"
 72        },
 73        {
 74            "id": "jank",
 75            "name": "Jan Kuparinen",
 76            "symbolSize": 25,
 77            "x": 50,
 78            "y": 0,
 79            "value": "copperi",
 80            "category": 3,
 81            "extra": "Contributor at Fedora Project"
 82        },
 83        {
 84            "id": "mich",
 85            "name": "Michael Scherer",
 86            "symbolSize": 25,
 87            "x": 42.6776695,
 88            "y": 17.6776695,
 89            "value": "misc",
 90            "category": 3,
 91            "extra": "Principal Systems Administrator at Red Hat OSPO"
 92        },
```

```
100    "categories": [
101        {
102            "name": "0",
103            "itemStyle": {
104                "color": "#294172"
105            }
106        },
107        {
108            "name": "1",
109            "itemStyle": {
110                "color": "#3c6eb4"
111            }
112        },
113        {
114            "name": "2",
115            "itemStyle": {
116                "color": "#e59728"
117            }
118        },
119        {
120            "name": "3",
121            "itemStyle": {
122                "color": "#db3279"
123            }
124        },
125        {
126            "name": "4",
127            "itemStyle": {
128                "color": "#a07cbc"
129            }
130        },
131        {
132            "name": "5",
133            "itemStyle": {
134                "color": "#51a2da"
135            }
136        },
137        {
138            "name": "6",
139            "itemStyle": {
140                "color": "#79db32"
141            }
142        }
143    ]
144 }
```

fedora

Interactive SVGs

COLLABORATING WITH DESIGN HAS
NEVER BEEN SO EASY

- The only thing needed here is an well-labelled SVG

- The designs can be loaded AS-IS on the page and be interacted with

- Opens up possibilities of greater flexibility in design

- Collaboration is easier as minimal to no changes are needed for importing

websites@lists.fedoraproject.org

Demo Time

Using a JSON document

FEDORA WEBSITES AND APPS CHART

fedora

Using an SVG image

FEDORA ORGANIZATIONAL CHART

websites@lists.fedoraproject.org

fedora

Get involved

How you can contribute

- Check out our docs page!

- Introduce yourself on Telegram/IRC, or say Hi at one of our weekly meetings

- Fork the fedora-websites repo to get started

- Make your first issue ticket or pull request

- Join for weekly website meetings

websites@lists.fedoraproject.org

fedora

git https://github.com/t0xic0der/impression/

[m] #fedora-websites on matrix.org and irc.libera.chat:6697

🌐 https://fedoraproject.org/wiki/Objectives/Websites_%26_Apps_Community_Revamp

✉ websites@lists.fedoraproject.org

Thank you!

(We look forward to meet you!)