



Tools for Graph Visualization

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Graphviz



- <http://www.graphviz.org>
- Open Source
- Vizualizácia 2D grafov (hierarchické, vrstevné, uniformné, radiálne, kruhové rozloženie)
- Výstup: interactive graph browser, bmp, eps, gif, jpg, pdf, svg, png, ico, tiff, ps, ...
- C, Tcl/Tk, Java, Guile, Perl, Python, Ruby



```

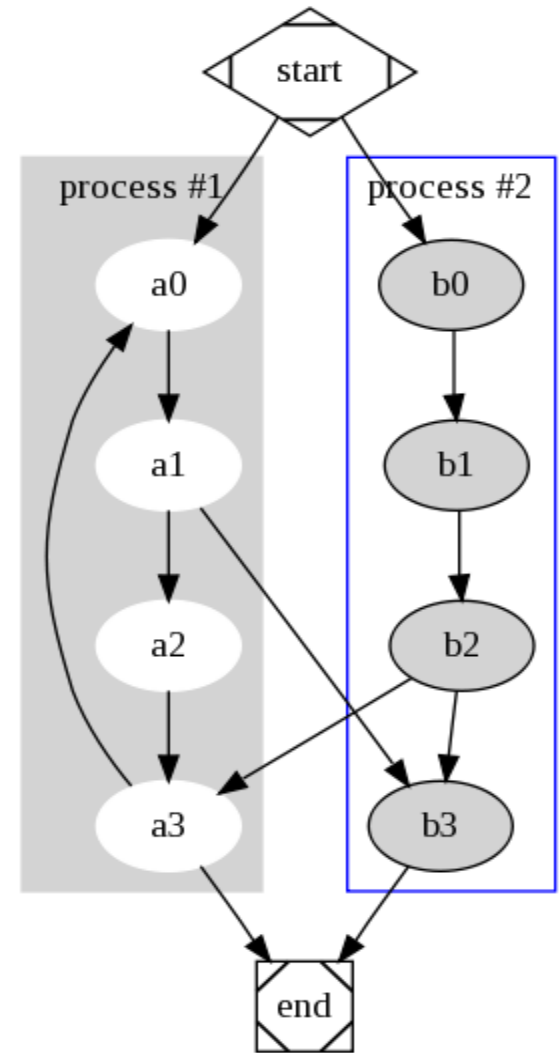
digraph G {
  subgraph cluster_o {
    style=filled;
    color=lightgrey;
    node [style=filled,color=white];
    a0 -> a1 -> a2 -> a3;
    label = "process #1";
  }
  subgraph cluster_1 {
    node [style=filled];
    b0 -> b1 -> b2 -> b3;
    label = "process #2";
    color=blue
  }
  start [shape=Mdiamond];
  end [shape=Msquare];
  start -> a0;
  start -> b0;

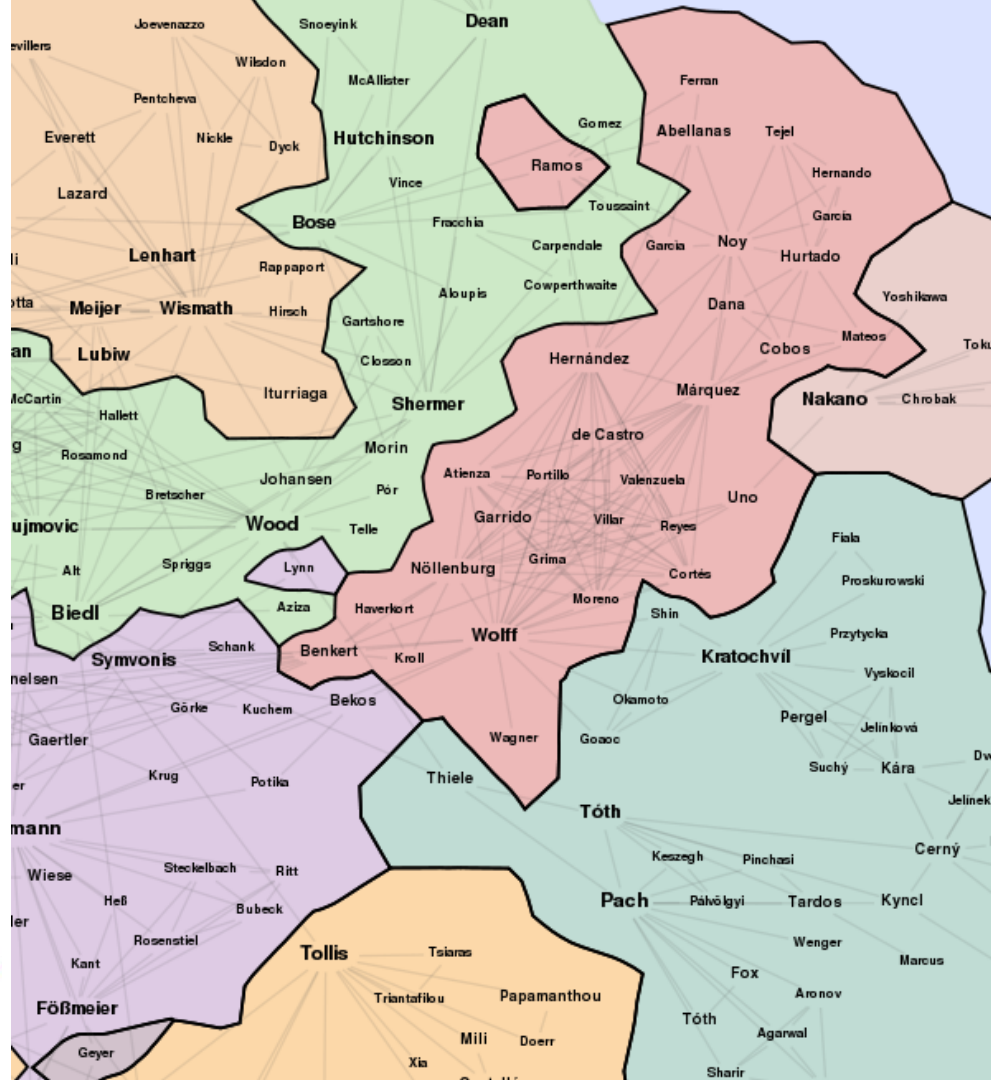
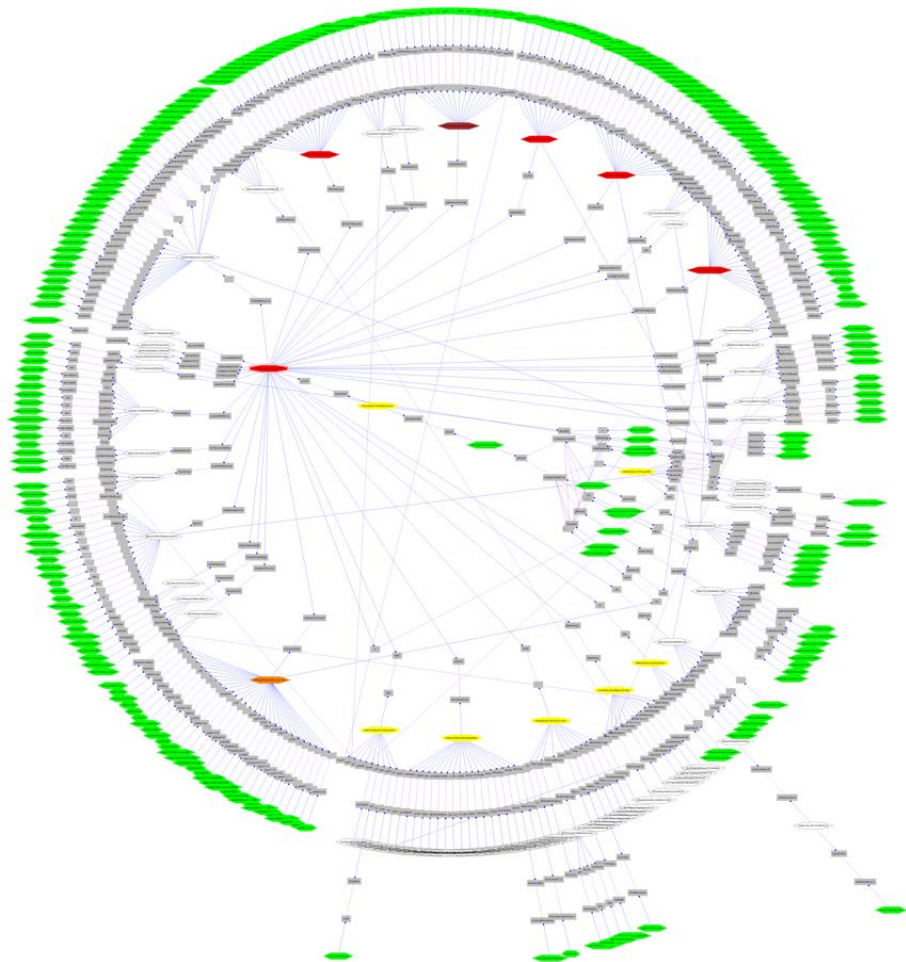
```

```

a1 -> b3;
b2 -> a3;
a3 -> a0;
a3 -> end;
b3 -> end;
}

```

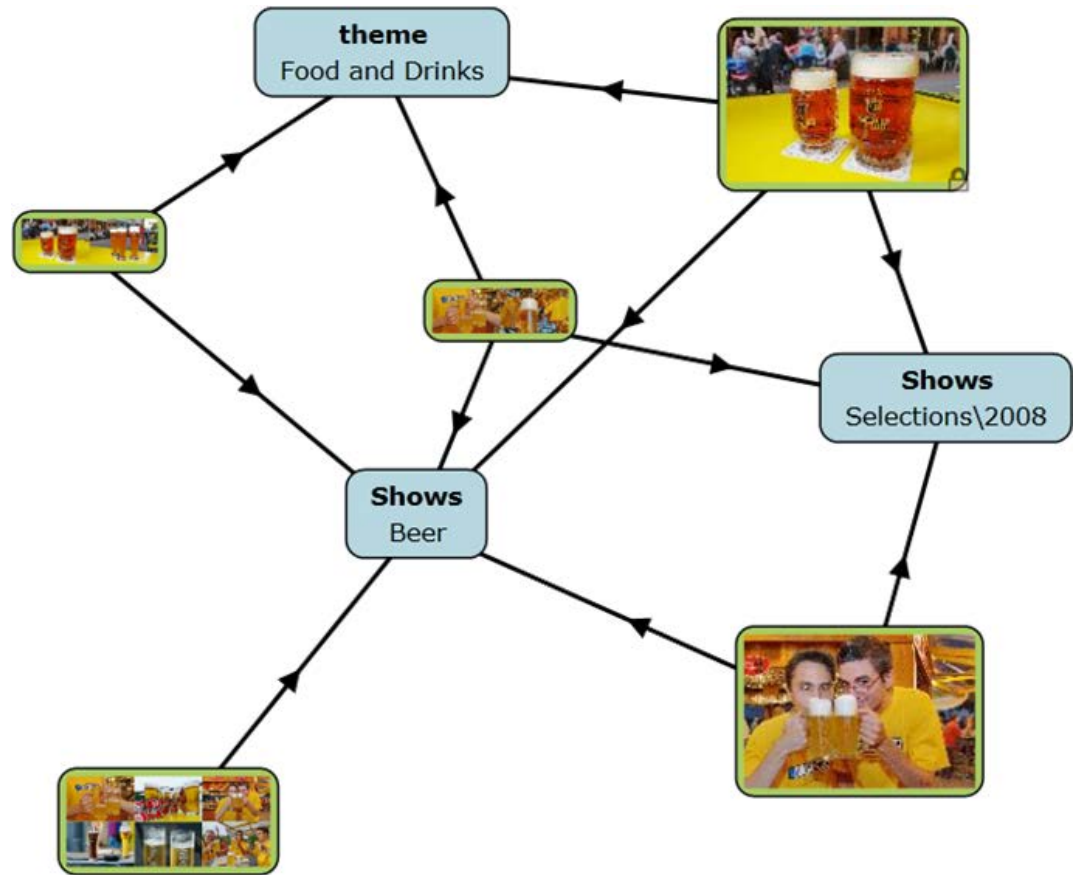
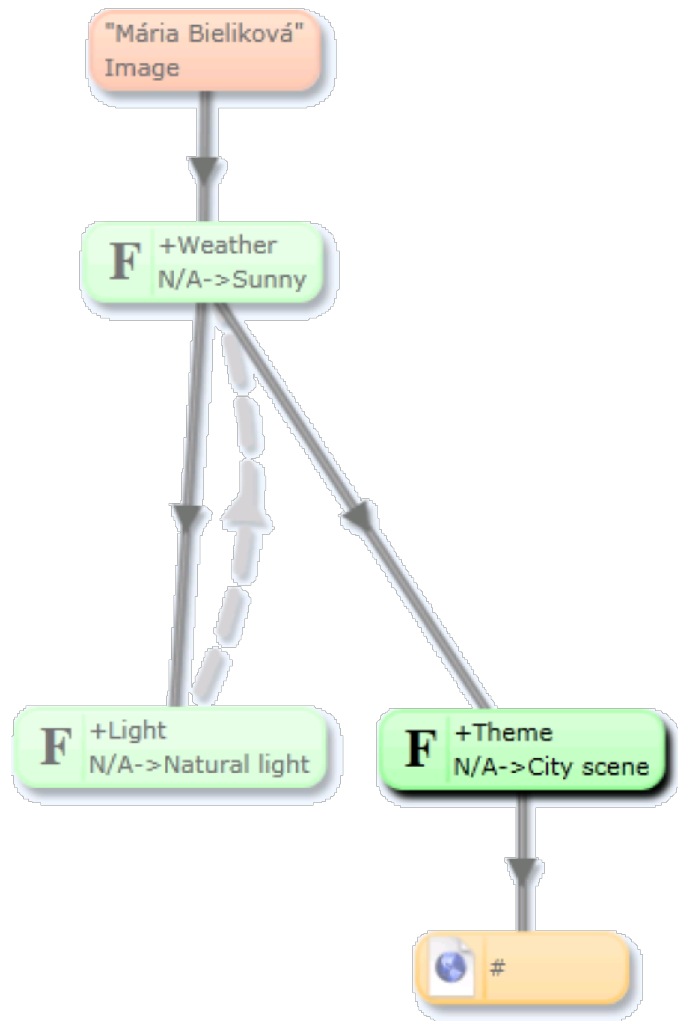




GraphToolkit



- D211 (Jakub Šimko, Karol Rástočný)
- Generická Silverlight knižnica
- Interaktívne 2D grafy
- Formátovanie prostredníctvom XAML šablón
- Možnosť definovania vlastných algoritmov pre výpočet rozloženia grafu



UBIGRAPH



- <http://ubietylab.net/ubigraph/>
 - Vizualizácia dynamických 3D grafov
 - Distribuovaná editácia grafu
 - Python, Ruby, PHP, Java, C, C++, C#, ...
 - Release alpha-0.2.4 (June 2008)
 - Mac OS X, Linux
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- Demo: <http://ubietylab.net.s3.amazonaws.com/DemoReel.mov>



- <http://prefuse.org/>
- Sada nástrojov na vytváranie interaktívnych vizualizácií grafov
- Java
- Beta 21.10.2007
- Prefuse flare
 - Vizualizácie pre ActionScript, Flash
 - Alpha 24.1.2009

