URI Template
draft-gregorio-uritemplate
http://www.example.com/users/{userid}

http://www.example.org/products/{upc}/buyers?page={page_num}
Why?

• Ability to express how to create a URI given a template is useful:
  • For documentation
  • For frameworks
  • For link-based protocols
• Encourages linking - loose coupling
• Avoids impinging on server’s control of URIs
http://login.example.org/login?back={return-uri}
http://auth.example.com/userauth;{return-uri}
Levels and Expression Types

• URI syntax is potentially complex
• Don’t want to require template processors to support that complexity by default
• “levels” of conformance for increasing complexity
• Higher levels have more expressivity
• E.g., expanding query parameters
{$x,y,empty}$

{$x=1024&y=768&empty=}$
Moving Forward

• Started in 2006, discussed on uri@w3.org list
• Implementations in ~9 languages
• Is a “side project” for everyone
• Latest revisions by Roy Fielding
• Spec is fairly polished; imperative is to get something stable to encourage implementation / reuse
• APPSAWG?