



Fedora for Developers

Not the ones who make it

Presented by

Langdon White

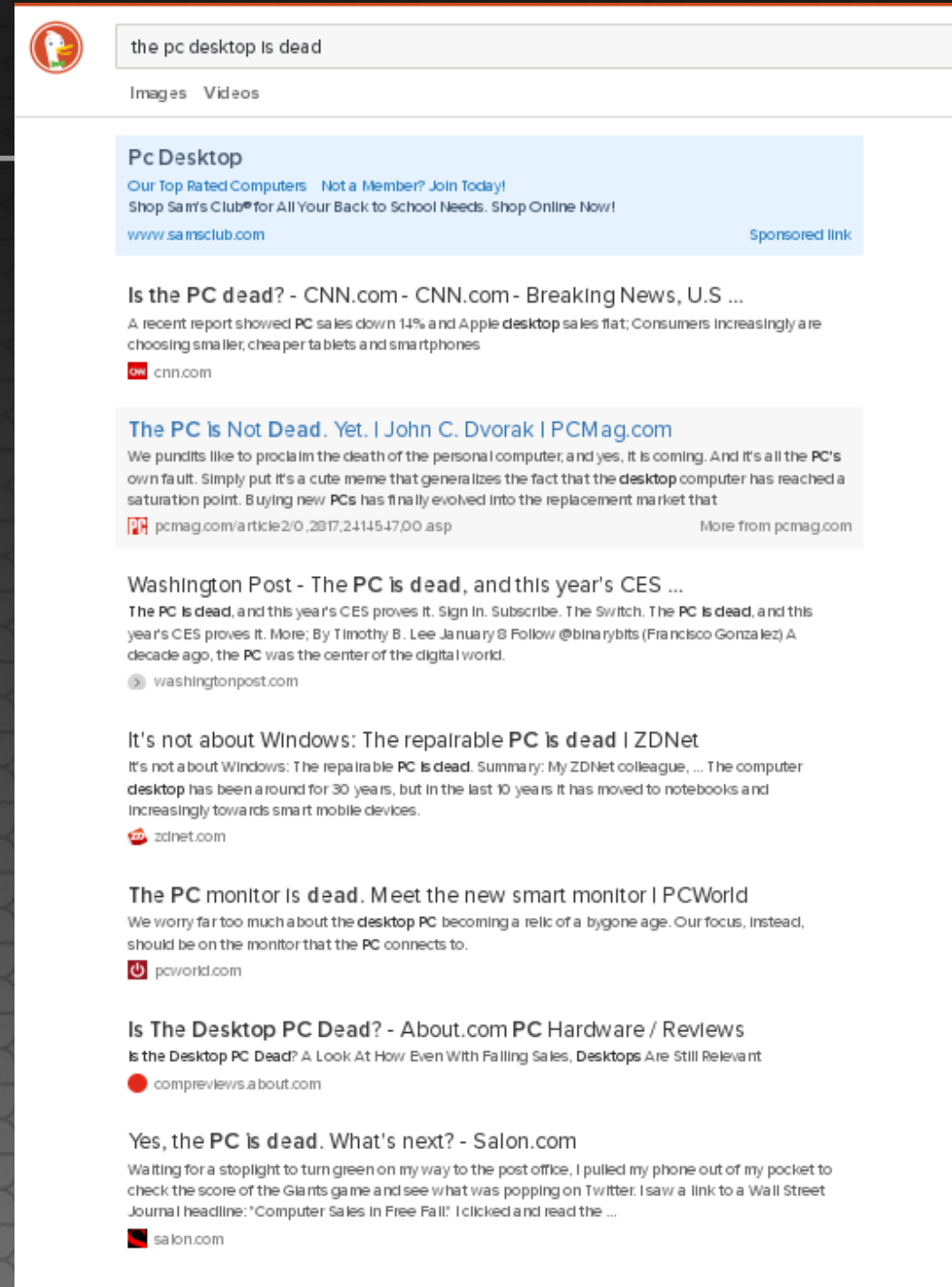
Platform Architect, Developer Experience

Red Hat, Inc

Developers

- Who will be using PCs soon?
- Creation vs Consumption?
- A case for niche marketing
- Aggressive change


Some niche marketing thoughts:
<http://www.entrepreneur.com/article/49608>





the pc desktop is dead


Images Videos


Pc Desktop
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Is the PC dead? - CNN.com - CNN.com - Breaking News, U.S ...
A recent report showed PC sales down 14% and Apple desktop sales flat; Consumers increasingly are choosing smaller, cheaper tablets and smartphones
 cnn.com


The PC is Not Dead. Yet. | John C. Dvorak | PCMag.com
We pundits like to proclaim the death of the personal computer, and yes, it is coming. And it's all the PC's own fault. Simply put it's a cute meme that generalizes the fact that the desktop computer has reached a saturation point. Buying new PCs has finally evolved into the replacement market that
 pcmag.com/article/2/0,,2017,2414547,00.asp More from pcmag.com

Washington Post - The PC is dead, and this year's CES ...
The PC is dead, and this year's CES proves it. Sign In. Subscribe. The Switch. The PC is dead, and this year's CES proves it. More; By Timothy B. Lee January 8 Follow @binaybits (Francisco Gonzalez) A decade ago, the PC was the center of the digital world.
 washingtonpost.com

It's not about Windows: The repairable PC is dead | ZDNet
It's not about Windows: The repairable PC is dead. Summary: My ZDNet colleague, ... The computer desktop has been a round for 30 years, but in the last 10 years it has moved to notebooks and increasingly towards smart mobile devices.
 zdnet.com

The PC monitor is dead. Meet the new smart monitor | PCWorld
We worry far too much about the desktop PC becoming a relic of a bygone age. Our focus, instead, should be on the monitor that the PC connects to.
 pcworld.com

Is The Desktop PC Dead? - About.com PC Hardware / Reviews
Is the Desktop PC Dead? A Look At How Even With Falling Sales, Desktops Are Still Relevant
 compreviews.about.com

Yes, the PC is dead. What's next? - Salon.com
Waiting for a stoplight to turn green on my way to the post office, I pulled my phone out of my pocket to check the score of the Giants game and see what was popping on Twitter. I saw a link to a Wall Street Journal headline: "Computer Sales in Free Fall." I clicked and read the ...
 salon.com

People

Personas – Enterprise



- **Enterprise C/C++ Developer**
 - Maintenance work
 - Large, old, code bases
 - Often fat client guis on windows (lots) or linux (few)
- **Enterprise Java Developer**
 - Probably the bulk of enterprise developers
 - New apps & maintenance
 - Favor IDEs and graphical debuggers
- **Enterprise PHP Developer**
 - Mostly maintenance work
 - On the left side of the sophistication curve
 - Favor IDEs and graphical debuggers
- **Client-side Application Developer**
 - C# / VB / VB.net
 - C/C++
 - Python (linux)

Personas – Small Shop

- **Small Shop PHP Developer (often Consultancy)**
 - Usually more cutting edge
 - Looking for debuggers
 - Right side of sophistication curve
 - May favor IDEs (as they often come from enterprise)
- **Small Shop Ruby Developer (often Consultancy)**
 - Very cutting edge
 - Favor sophisticated text editors
 - Looking for CI/CD support
 - Very UI/UX focused
- **Web App Python Developer**
 - Bit of a unicorn
 - Increasing
- **Small Shop Java Developer (often Consultancy)**
 - Similar to Small Shop PHP Developers, shop may have both
 - Debuggers & IDEsWeb App Ruby Developer
 - Similar to the consultancy model
 - Probably very strongly in favor of CI/CD
- **Web App PHP Developer**
 - More similar to ruby consultancy
 - CI/CD
 - Still leaning towards IDEs and graphical debuggers

Personas – Special

- **HPC-style C/C++/Python Developer (actual HPC, Hedge Funds, etc)**
 - Experiments with languages? (e.g. Go)
 - Highly parallized applications with many application updates deployed to many servers
- **Casual programmer (scientists, researchers)**
 - Python (mostly)
- **Java Mobile Developer**
- **Multi-target Mobile Developer**
- **Objective-C / iOS Developer**

Commonalities

Worries

- Will this install break my system (e.g. email, comms, video, web)?
- When do I need to upgrade my app?
- How do I save “state” when my boss changes my priorities?
- Does my dev/test environment match production?
- Am I using the best tools?

Lies!

- Always tweaking L&F
- Hate security!
- Hate IDEs! Love IDEs!
- Passion for technology / software!
- Single dev env or language



Ideas!?

- Deploy tools in a container
 - Clone per project
 - Clone to test tools
 - Shareable
- Encourage containers for (unit) test
- Desktop integration with “tasks” (w/ saved state)
- Easy, complex network management (tunneling, vlans, vpn)
- Easy mounting of local fs in VMs & Containers
- Desktop CI/CD
- Alternate application configuration for development

Right now (policy)*

- Commit to holding Gnome at F21 version for 2 releases
- Implement “rings” style package review
 - Recommend easy rpm (e.g. fpm)
 - A path for new components w/ active “ambassador” program
 - A path for SaaS applications
- Understand our users and our market

* things not covered elsewhere

Right now (impl)

- Containerized Mozilla Sync/Auth Server (or implement profiles in Mozilla Sync)
- GTG support for bug trackers
 - New backends
 - Replace backend with TaskWarrior
- Implement easy NFS from “Files” (nautilus)
- Modern, programmer's editor
- Serious docs effort on Gnome dev

Discuss!



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