Open Source Software pros and cons

Iain Pritchard and Azadi Sheridan

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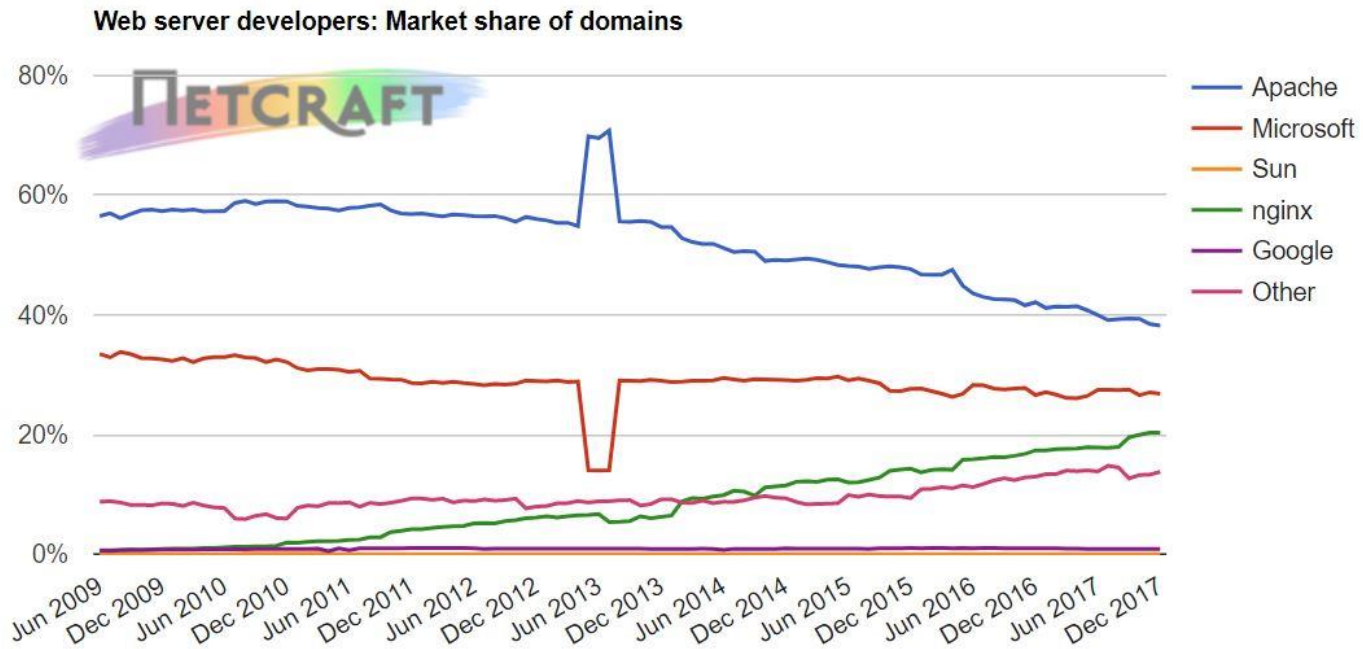*processes, people and technology*

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Adapta Consulting

We are:

- A specialist information systems consultancy
- We only work with membership organisations, charities, associations, trusts and others in the NfP sector
- We are completely supplier-independent
- Our consultants have held senior positions in a broad range of different organisations
- Our advice and guidance is based on practical experience gained over many years.

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What is Open Source?

60% of the world wide web

Web server developers: Market share of domains

Legend: Apache, Microsoft, Sun, nginx, Google, Other

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What is Open Source?

- Operating systems
- Content management software (CMS)
- Customer relationship management (CRM)
- Finance systems
- Office and other business software

- ….and anything that is also available as proprietary software..!

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Open source examples

Operating system	CMS	CRM	Accounting	Office
GENTOO	Drupal	Sugar	Apache OFBiz	OpenOffice
DEBIAN	Joomla	CiviCRM	LedgerSMB	LibreOffice
UBUNTU	Wordpress		OpenBravo	
SUSE	DNN		Wav	
	Squiz			
	Alfresco			

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Open Source Benefits...?

- More secure..?

- No vendor lock-in...?

- Source code transparency...?

- Cheaper...?

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Considerations

- Cost

- Characteristics

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Cost

Cost component		Open Source £	Proprietary £
One-off	Licences		
	Implementation and configuration		
	Project management		
	Project administration		
	Other internal staffing		
Recurring	Support		
	Development		
	5-Year cost		

Cost – CRM (eg 25-user system)

Cost component			Open Source £	Proprietary £
One-off	Licences		0	30,000
	Implementation and configuration	*Open Source cheaper but takes longer*	30,000	40,000
	Project management		50,000	50,000
	Project administration		35,000	35,000
	Other internal staffing		50,000	50,000
		One-off cost	**165,000**	**205,000**
Recurring	Support	Assuming third-party supplier	15,000	10,000
	Development		10,000	0
		5-Year cost	**290,000**	**255,000**

Characteristics

Open Source	Proprietary
Sharing	Competitive
User-driven	Managed
Collaborative/ Responsive	Commercial/ Negotiated
Organic forking	Planned roadmaps
Component-based	Single solution
COST- NEUTRAL	

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Short case study

Blackbaud
Helping You Make The World A Better Place

MARKETING

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Case Study continued

- From Microsoft stack (Visual Studio, .net, SQL Server) to...

Case Study continued

OpenSource: Everywhere

At the centre of web development…

- Node.js – engine for web apps
- **Bootstrap** – CSS toolkit
- Visualisation tools: draw.io, highcharts, d3, chart.js, datawrapper
- **AngularJS** – JavaScript framework
- Brackets – text editor for web dev
- Bower – package management
- Gulp.js – development automation
- **MySQL, Postgressql** – SQL databases
- **MongoDB** - NoSQL
- **GitLab, GitHub** – Source code repositories
- ToddMotto – Public JSON API's
- Cypress and Sizzy for application testing

And a growing component of corporate IT…

- **Mail for Good** email for charities.
- **Firefox – by Mozilla Foundaion**
- **Microsoft Visual Studio – YES. Microsoft.**
- **Moodle** – LMS with huge market share gradually being chipped away by proprietary such as D2L
- Elastix – telephony software
- Umpteen shopping cart solutions excluding Magento Community edition which I call freemium
- **Drupal, joomla, wordpress,** umbracco, Django
- **Audacity** for podcasting
- **7zip** for zipping (with a password)
- **Filezilla f**tp client
- Add-ins for visual studio on an app I was working on today
- **Rust** programming language
- Go programming language
- **Android** – may well be on your phone now!
- **R** for statistical research
- **Blockchain too…!**

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Questions & Answers

Thank you

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