

Rapidly developing a secure data collection environment

Carl Marshall, NPEU

Or: How I learned to stop worrying
and love the ~~bomb~~ risk



MBRRACE-UK

Mothers and Babies: Reducing Risk through
Audits and Confidential Enquiries across the UK



One big, happy family

Surveillance

Confidential
Enquiry

Surveillance

Confidential
Enquiry

Perinatal

Maternal

MBRRACE Website



Confidential Survey

Home / Perinatal and Infant Death / Case ID 4562 (The Royal Oldham Hospital)

Perinatal and Infant Death Form

Open FAQs

1 Notification and Woman's details

1.1 Woman's identifiers

1.2 Woman's details

2 Woman's health

2.1 Woman's health

3 Previous pregnancies

3.1 Previous pregnancies

1.1 Woman's identifiers

1.2 Woman's details

2.1 Woman's health

3.1 Previous pregnancies

3.2 Obstetric history

4.1 Booking

4.2 Antenatal care provision

5.1 Delivery and outcomes

6.1 Add clinicians

6.2 Check the form

10/07/13 16:02 saved 'as is'

Save 'as is'

Jump to section

https://www.mbrpace.ox.ac.uk/Perinatal/PerinatalDataForm/PerinatalForm?formIDHash=ee65b6b4-38b3-4047-90e0-c1d8588b9ed0#

OXFORD

The MBRRACE-UK data collection has been approved by the Review of Central Returns Steering Committee (ROCR) – ROCR/OR/2187/001MAND

mode of delivery:

Spontaneous vaginal vaginal breech ventouse
Non-rotational forceps Rotational forceps Pre-labour caesarean section
Caesarean section after onset of labour Perimortem caesarean section

Lessons we're learning... 1

It just has to be “Good Enough”

- MBRRACE Collaborators' board

risk

/risk/

noun

a situation involving exposure to danger: *“flouting the law was too much of a risk”*

- *[in singular]* the possibility that something unpleasant or unwelcome will happen: *reduce the risk of heart disease*
- *[with modifier]* a person or thing regarded as a threat or likely source of danger: *she’s a security risk*
- (usually **risks**) a possibility of harm or damage against which something is insured: *all-risks insurance for professional photographers*
- *[mass noun]* the possibility of financial loss: *the Bank is rigorous when it comes to analysing and evaluating risk*

verb

- *[with object]* expose (someone or something valued) to danger, harm, or loss: *he risked his life to save his*

Origin:

mid 17th century: from French *risque* (noun), *risquer* (verb), from Italian *risco* 'danger' and *rischiare* 'run into danger'



http://www.youthsportsny.org/images/peewee_concussion.jpg



<http://onebigphoto.com/uploads/2012/11/base-jumping-at-zakynthos-greece.jpg>

Risk in action

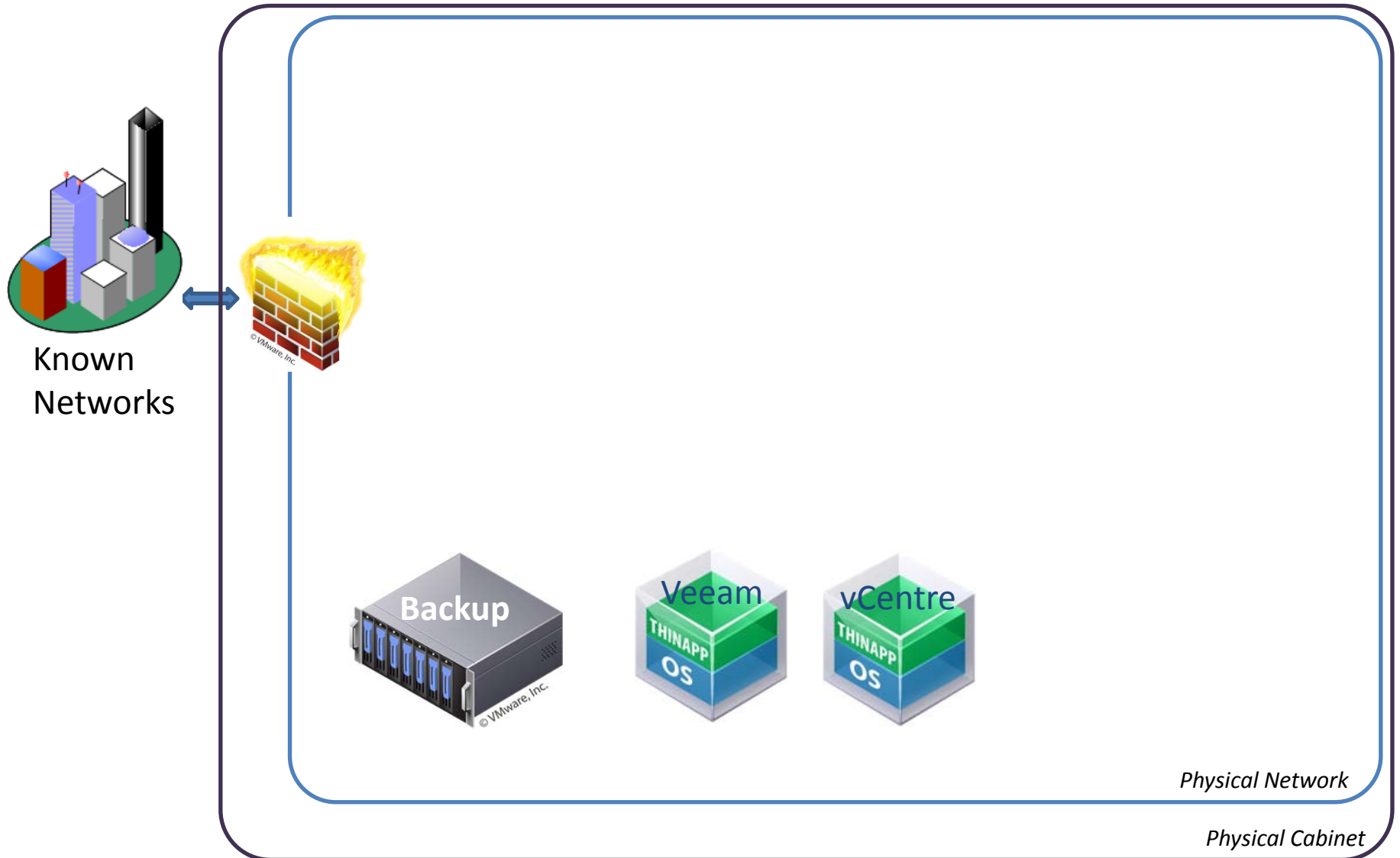


http://adurkin.weebly.com/uploads/1/3/8/9/1389041/138904724_orig.jpg

Physical Security



Infrastructure 1 – Cisco & VMware



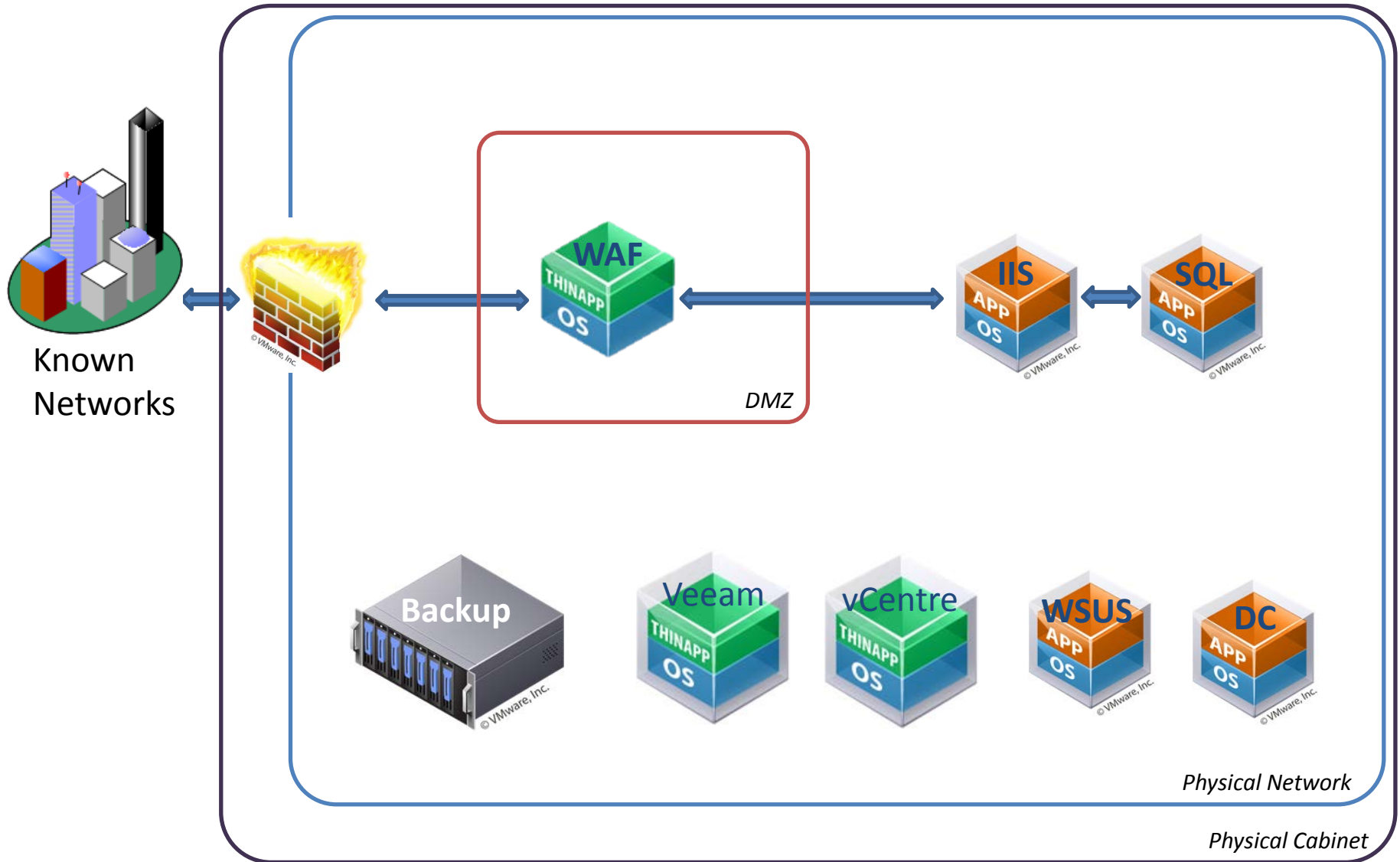
Known
Networks



Physical Network

Physical Cabinet

Infrastructure 2 - Fortiweb



Lessons we're learning... 2

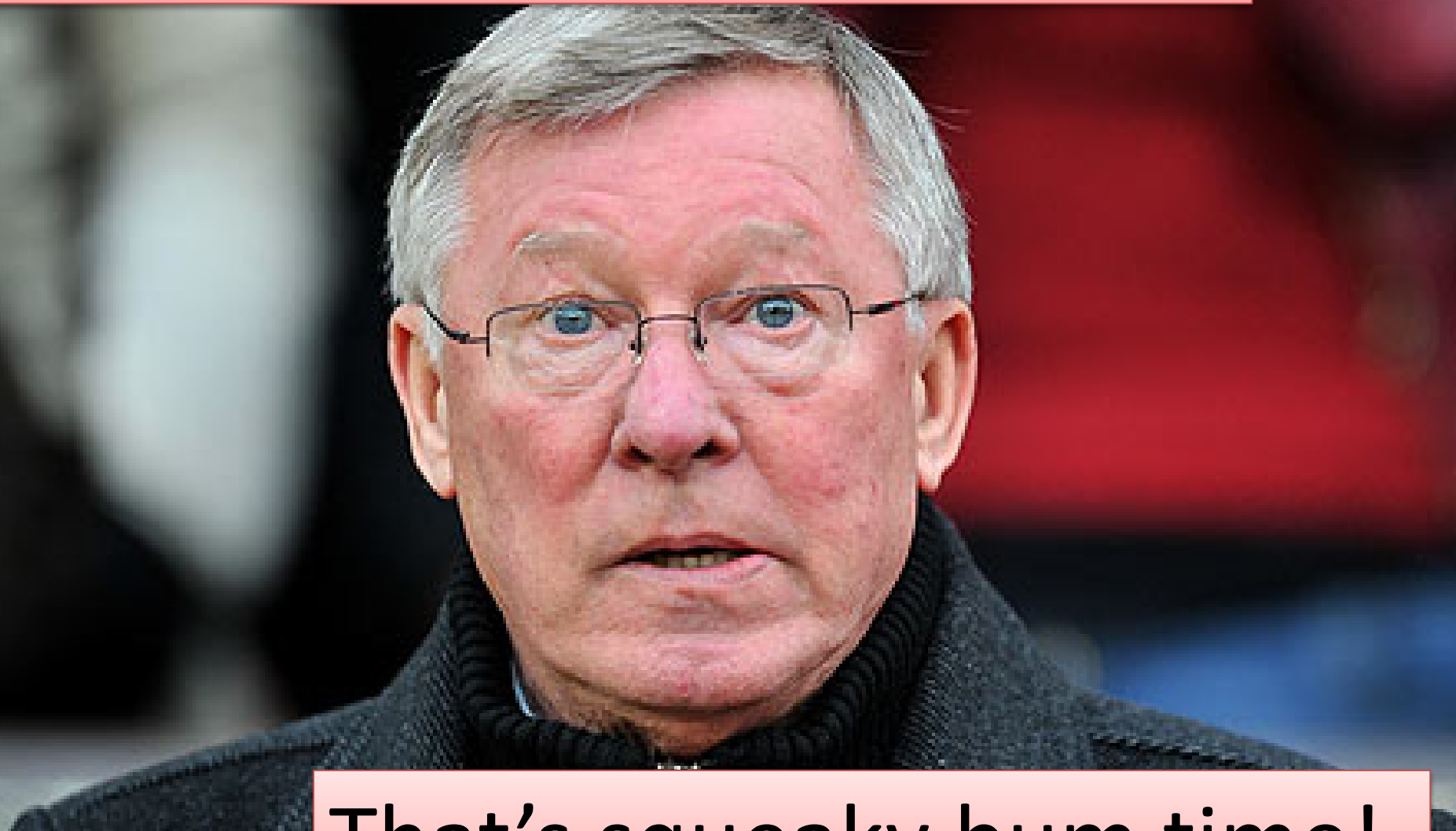
Paranoia isn't productive

- Me

Satisfy the stakeholders

(Auditors may be only buzzword compliant)

Testing penetration you say?



That's squeaky bum time!

Lessons we're learning... 3

- External technology stipulations are both a benefit and a cause for cursing
- There are external constraints
 - Deal with it; most tech can do most things



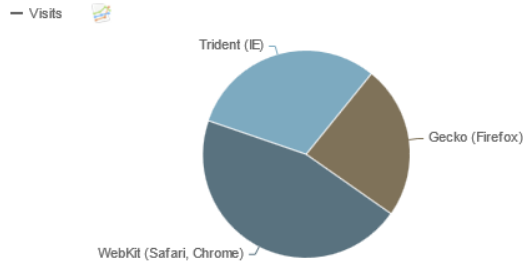
NHS, computing...?








https://sphotos-b.xx.fbcdn.net/hphotos-frc1/p480x480/599718_388633557856757_1997604356_n.jpg

Analytics, from the start!

Browser families



Browsers

Browser	Visits
 Chrome Frame	1447
 Internet Explorer	1407
 Firefox	1099
 Chrome	530
 Safari	119

1-5 of 5



Related report: Browser version

Plugins

Plugin	% Visits	Visits
 Cookie	97.5%	3115
 Pdf	92.9%	2967
 Flash	89.9%	2873
 Java	75.4%	2410
 Windowsmedia	61.9%	1978
 Silverlight	52.9%	1690
 Director	46.4%	1482

Configurations

Configuration	Visits
Windows XP / Chrome Frame / 1024x768	566
Windows XP / Chrome Frame / 1280x1024	559
Windows 7 / Firefox / 1920x1080	404

1-3 of 204 Next >



3

Operating systems

Operating system	Visits
 Windows XP	2714
 Windows 7	1492
 Mac OS	115
 Windows Vista	95
 Linux	79

1-5 of 12 Next >



5

Related report: Operating system family

Resolutions

Resolution	Visits
1280x1024	1443
1024x768	1047
1920x1080	649
1440x900	225
1067x800	195

1-5 of 72 Next >



5

Mobile vs Desktop

Mobile vs Desktop	Visits
 Desktop	4555

PUBLIC - MBRRACE-UK Login - Windows Internet Explorer
http://129.67.140.25/81/mbrrace.test/Home/Index?ReturnUrl=%2fmbrrace.test%2f

File Edit View Favorites Tools Help

PUBLIC - MBRRACE-UK Login

Google chrome frame

Select a language

Make your browser more powerful

Home

Google Chrome Frame is a free plug-in for Internet Explorer. Some advanced web apps use Google Chrome Frame to provide you with additional features and better performance.

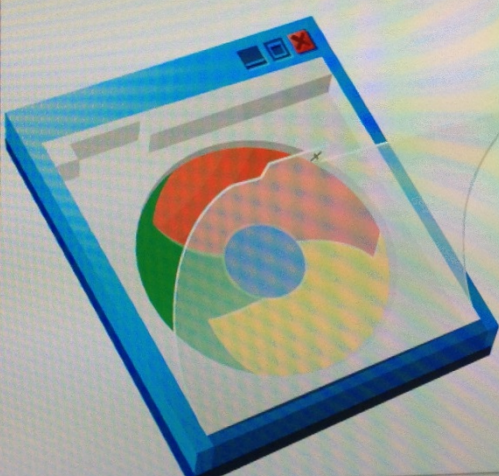
Get Google Chrome Frame

It is free and is installed in seconds.
For Internet Explorer 6, 7, 8 and 9 on Windows 7/Vista/XP SP2 or greater.

Download Google Chrome Frame to:

- Speed up your web experience**
Sites that utilise Google Chrome Frame become more responsive.
- Enjoy more advanced features**
With Google Chrome Frame, sites offer you new features based on open technologies.
- Surf the web the way that you are used to**
Google Chrome Frame works under the hood with your current browser.

[Try the beta version of Google Chrome Frame](#)



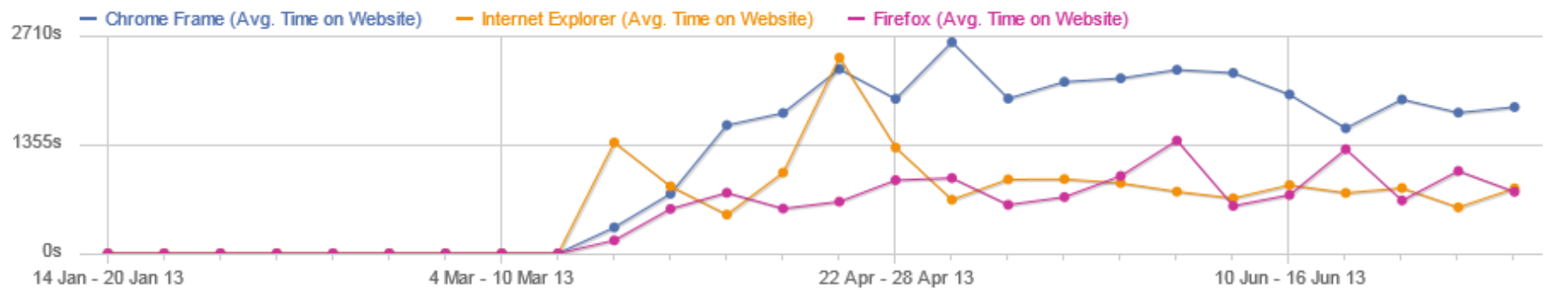
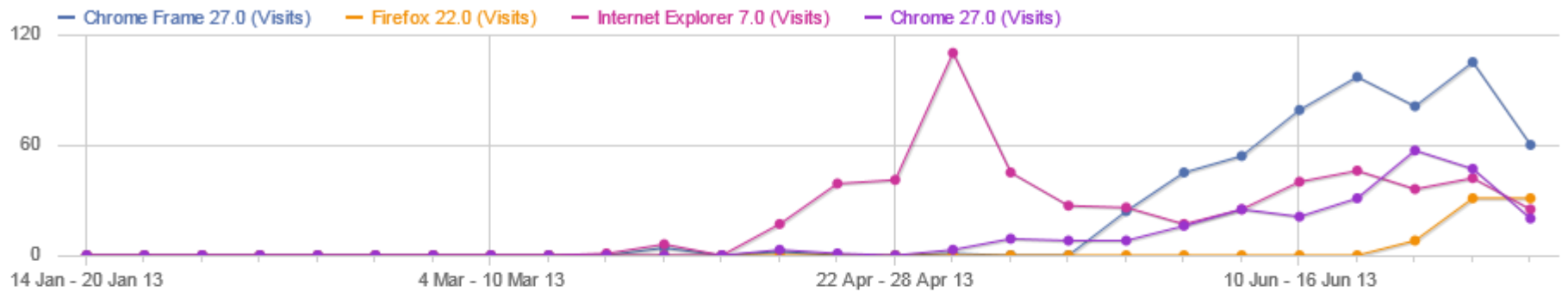
v0.7.2 (Feb)

Done

start PUBLIC - MBRRACE-U... PUBLIC - MBRRACE-U...


Search Desktop EN 100% 15:29

DELL



Browser: Comparing 3 rows

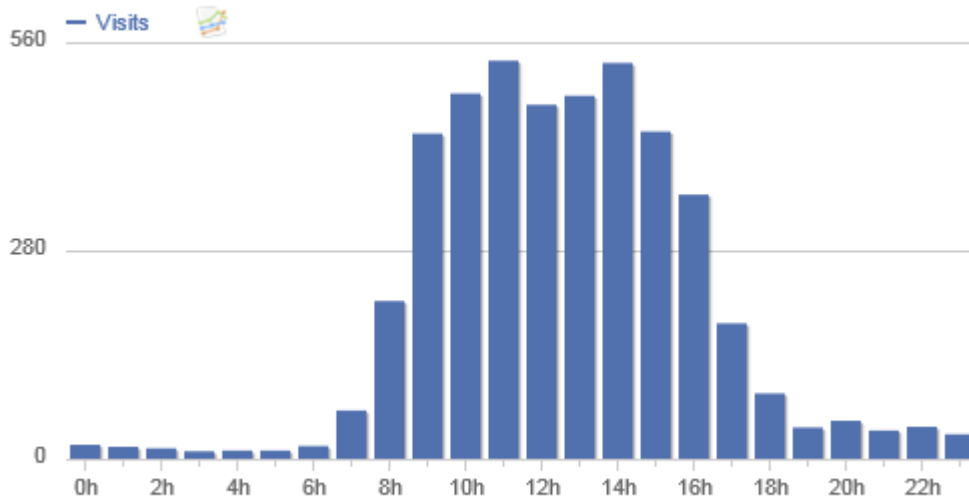
 **Chrome Frame (Avg. Time on Website)**
between 325s and 2629s

 **Internet Explorer (Avg. Time on Website)**
between 484s and 2436s

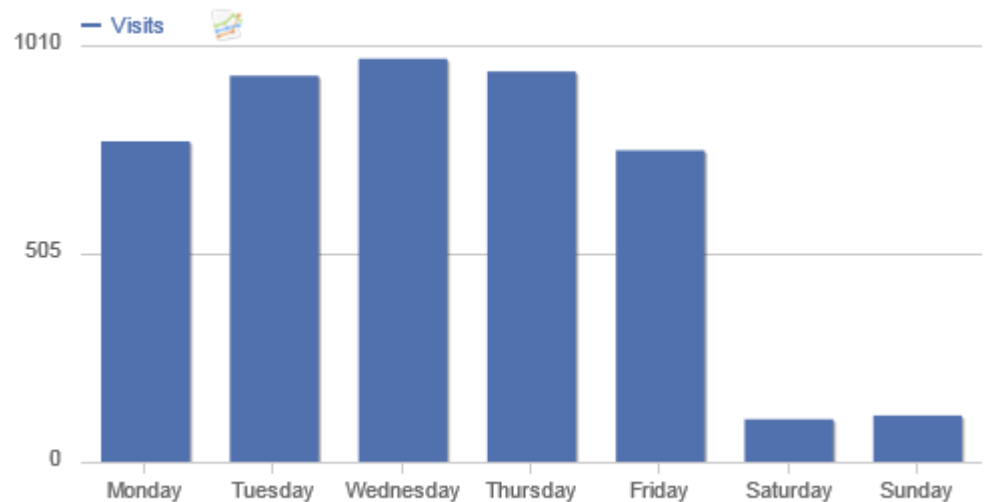
 **Firefox (Avg. Time on Website)**
between 164s and 1405s

Support processes matter

Visits per local time



Visits by Day of Week



Lessons we're learning... 4

I have always found that plans are useless,
but planning is indispensable

– Dwight D Eisenhower

This concluding slide is left intentionally vague