

To: Newsome, Pete [REDACTED] **GRO**
From: Mark Underwood [REDACTED] **GRO**
Sent: Wed 6/14/2017 4:40:33 PM (UTC)
Subject: RE: Privileged users report

Sorry, no – but we can do anytime before 1pm – do any times in the morning work for you?

Mark



Mark Underwood

Head of Portfolio: Legal, Risk &
Governance

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Ground Floor
20 Finsbury Street
London EC2Y 9AQ

Mobile number [REDACTED] **GRO**

From: pete.newsome [REDACTED] **GRO**
Sent: 14 June 2017 17:31
To: Mark Underwood [REDACTED] **GRO**
Subject: RE: Privileged users report

Can you make it 2.00?

Sent from my Windows Phone

From: Mark Underwood [REDACTED]
Sent: 14/06/2017 17:24
To: Newsome, Pete; Godeseth, Torstein
Subject: RE: Privileged users report

Thanks, in the interim I will put a placeholder in our diaries for 10am

Mark



Mark Underwood

Head of Portfolio: Legal, Risk &
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Mobile number [REDACTED] **GRO**

From: pete.newsome [REDACTED] **GRO**
Sent: 14 June 2017 17:23
To: Mark Underwood [REDACTED] **GRO**; Torstein.O.Godeseth [REDACTED] **GRO**
Subject: RE: Privileged users report

Mark

I am but not sure about Torstein. Will try to make contact.

Pete

Sent from my Windows Phone

From: [Mark Underwood](#) GRO

Sent: 14/06/2017 17:17

To: [Newsome, Pete](#); [Godeseth, Torstein](#)

Subject: RE: Privileged users report

Thanks Pete – are you and Torstein available on Monday am for a call with Deloitte to bottom this out?

Mark



Mark Underwood

Head of Portfolio: Legal, Risk &
Governance

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20 Finsbury Street
London EC2Y 9AQ

Mobile number:

From: [pete.newsome](#) GRO

Sent: 14 June 2017 10:31

To: [Mark Underwood](#) GRO; [Torstein.O.Godeseth](#) GRO

Subject: RE: Privileged users report

Mark

Just a thought after our meeting. We are in danger of doing the impossible again which is proving a negative has not happened. Suggest we pick up next week when Torstein has the data and we can sample to find MSCs.

Pete

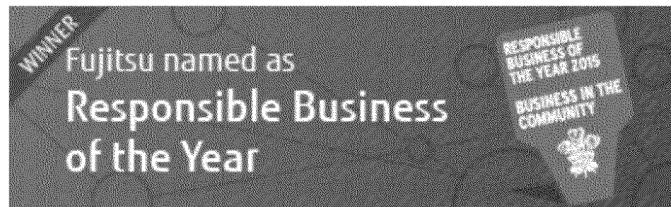
Pete Newsome
Account Manager
Post Office Account, Fujitsu UK&I

Tel:

E-Mail:

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Web: uk.fujitsu.com



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 Please consider the environment - do you really need to print this email?

From: Newsome, Pete
Sent: Tuesday, June 13, 2017 2:55 PM
To: 'Mark Underwood' GRO } Godeseth, Torstein GRO
Subject: RE: Privileged users report

Mark

My understanding for Torstein to confirm would be:

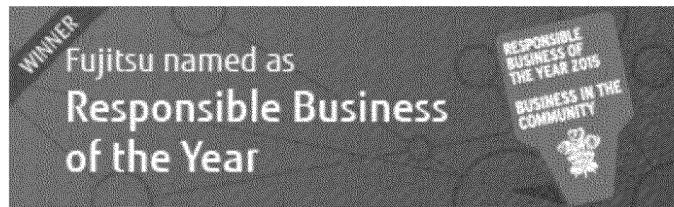
Once stored in the audit trail the data cannot be deleted until 7 years is complete (Due to the Eternus protection) the further 3 years would need direct access and are only purged in order so no records would exist.

Once Torstein has the log data next week we will be able to initially do a sample on the data to check for appropriate documentation to validate the access.

I will call Torstein so that he can verify.

Pete

Pete Newsome
Account Manager
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 Please consider the environment - do you really need to print this email?

From: Mark Underwood GRO
Sent: Tuesday, June 13, 2017 1:01 PM
To: Newsome, Pete <GRO>; Godeseth, Torstein <GRO>
Subject: RE: Privileged users report

Thanks Pete,

It may be helpful if I provide some context. To date I think we have established the following:

- Although it is possible, it is not a line of enquiry of any real merit. Further, any such action would leave an audit trail of some type.

However, to make as strong an argument as possible and based upon a previous statement by Fujitsu that it is not possible to delete or switch off the audit log without 'breaking' the application, we need to test the following:

1. Whether there are any recordings on the audit log of deletions being made by the privileged user community
2. Even if there are, by also checking that all 'log ons' have been for recognised legitimate pieces of work – this provides reassurance that any such deletions have been for legitimate reasons
3. That it would not have been possible to delete anything without leaving an audit trail by simply switching off the audit log – as this would crash the application and therefore immediately trigger investigation.

This is why we need to ascertain / test, definitively, whether or not it is possible to delete / switch off the audit log. If it transpires that it is, then the value of "1" and "2" falls away.

So – is it possible to delete or switch off the audit log without breaking the application?

If Torstein is on leave and unavailable, please put this question to Gareth.

Mark



Mark Underwood

Head of Portfolio: Legal, Risk &
Governance

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London EC2Y 9AQ

Mobile number

From: pete.newsome
Sent: 13 June 2017 09:40
To: Mark Underwood
Cc: Torstein.O.Godeseth
Subject: RE: Privileged users report

Mark

I have had the following reply from Torstein.

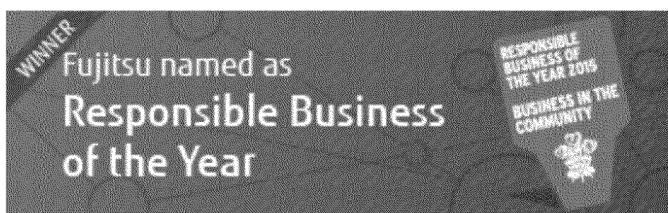
I don't think this question makes any sense. Given that the collection of the audit is decoupled from the application I can't see how the application is in any way affected by the audit.

What seems to me to matter is whether any audit is missing or not; so far there is no indication that any is missing.

We hope to check this next week when we have the Super User login audit data available to back up this argument.

Pete

Pete Newsome
Account Manager
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 Please consider the environment - do you really need to print this email?

From: Mark Underwood GRO
Sent: Monday, June 12, 2017 8:07 PM
To: Westbrook, Mark (UK - Manchester) GRO; Godeseth, Torstein
GRO Keating, Lewis (UK - Leeds) GRO >
Cc: Newsome, Pete GRO Norman, Russell GRO
Subject: RE: Privileged users report
Importance: High

Pete,

Re the below: I understand that Torstein is now on leave until next week. In his absence, could you please ask Gareth to take a look at the below question? Without a definitive answer about whether or not it is possible to 'delete' the audit log without breaking the application, we are unable to wrap this piece of work up, and prepare our defence.

Mark

**Mark Underwood**Head of Portfolio: Legal, Risk &
Governance

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Ground Floor

20 Finsbury Street
London EC2Y 9AQMobile number GRO

From: Westbrook, Mark (UK - Manchester) GRO
Sent: 09 June 2017 10:11
To: [Torstein.O.Godeseth](#) GRO; Keating, Lewis (UK - Leeds)
Cc: [pete.newsome](#) GRO; Mark Underwood GRO; Russell.Norman GRO
Subject: RE: Privileged users report

Hi Torstein,

Thanks.

Could they not delete the infringing log off when they were next logged on legitimately?

I'm also a little confused with how this sits with the point that turning the audit trail off 'breaks the application' – what audit trail being turned off breaks the application? Are we saying just log on or log offs, or broader than that?

As I'm sure you can appreciate, getting this right and the facts around it is key for the case BD are trying to build.

Cheers,

Mark

Mark Westbrook

Senior Manager | Deloitte LLP

D: [REDACTED] GRO | M: [REDACTED] GRO

GRO

www.deloitte.co.uk

From: [Torstein.O.Godeseth](#)

GRO

Sent: 09 June 2017 10:02

To: Westbrook, Mark (UK - Manchester) <[\[REDACTED\]](#) GRO <[\[REDACTED\]](#)

>; Keating, Lewis (UK - Leeds) <[\[REDACTED\]](#) GRO <[\[REDACTED\]](#)

Cc: [pete.newsome](#) GRO; [Mark.Underwood](#) GRO <[\[REDACTED\]](#) >; [Russell.Norman](#) GRO

Subject: RE: Privileged users report

Mark,

Prior to July 2015 Logons and Logoffs were audited.

Given that you have to be logged on to carry out any actions I can't see how a superuser would be able to delete the 'logoff' from the audit trail, so I think there would be a trace in the shape of instances of logoffs without corresponding logons.

Regards etc

Torstein

From: Westbrook, Mark (UK - Manchester) <[\[REDACTED\]](#) GRO <[\[REDACTED\]](#)

Sent: Monday, June 5, 2017 5:42 PM

To: Keating, Lewis (UK - Leeds) <[\[REDACTED\]](#) GRO <[\[REDACTED\]](#) Godeseth, Torstein <[\[REDACTED\]](#) GRO <[\[REDACTED\]](#)

Subject: RE: Privileged users report

Just for further clarity – i.e. does the key point around deletion activity by superusers leaving a trace in the system only apply from July 2015 onwards?

Thanks,

Mark

Mark Westbrook

Senior Manager | Deloitte LLP

D: [REDACTED] GRO | M: [REDACTED] GRO

GRO

www.deloitte.co.uk

From: Keating, Lewis (UK - Leeds)

Sent: 05 June 2017 17:37

To: [Torstein.O.Godeseth](#) GRO

Cc: Westbrook, Mark (UK - Manchester) <[\[REDACTED\]](#) GRO <[\[REDACTED\]](#)

Subject: Privileged users report

Hello

We are penning our response to POL on the Privileged users report work and have one area to validate with you.

We asked a questions about audit logging of Super-user access and we understand that:

- post July 15 all super-user activity is logged, including any DELETE actions
- pre July 15 the only logging in place was of super-user log on / log off's.
 - o it is possible to obtain these and match them to MSCs validating these accesses.

Thanks

Lewis

Lewis Keating

Manager
Risk Advisory
Deloitte LLP

Direct: GRO@deloitte.co.uk | www.deloitte.co.uk

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