

From: [REDACTED] </O=ITHAKA/OU=FIRST ADMINISTRATIVE GROUP/CN=RECIPIENTS/CN=[REDACTED]>
Sent: Sunday, October 17, 2010 12:26 PM
To: [REDACTED]@ithaka.org>; [REDACTED]
<[REDACTED]@ithaka.org>; [REDACTED]
<[REDACTED]@ithaka.org>; [REDACTED]@ithaka.org>;
[REDACTED]@ithaka.org>; [REDACTED]
<[REDACTED]@ithaka.org>
Subject: FW: Update: JSTOR & MIT

Hi everyone,

While I am encouraged that MIT is being cooperative, I remain concerned by what seems a rather tepid level of concern that they seem to be demonstrating about the loss. [REDACTED], maybe in the conversations you have had the concern comes through more loudly, but I am sure that if they had lost an equivalent number of books from their library overnight (what 25,000-30,000 books) they would not be so nonchalant. If the police came and said-- "did you change the locks? Ok, case closed" -- They would not be too satisfied. They would want to know who did it. Now I understand that this is not a perfect comparison. There is a difference between physical and virtual. The fact is that this downloading does not prevent others from getting access to that content in the future (either via MIT or from us), whereas the loss of the books does prevent future access. Therein lies the rub in all e-resources and media. Using it does not take away from others. Nevertheless, we need to understand at what level they feel an obligation to help us protect these resources. Are they in conformance with the license agreement? Do we need to send a stronger signal?

It would be helpful to convene a brief call on Monday to consolidate our reaction to this situation and to decide if there are next steps to be taken, and to be sure that it is clear what empowerment framework we need to have in place to deal with such situations in the future.

[REDACTED], can you send out invites and help us get a call together. I don't want this to be a long call, we have so much to do and we cannot put the genie back in the bottle. 30 minutes max, preferably 15. But I do want to make sure that we are all on the same page about this.

Thanks

[REDACTED]

-----Original Message-----

From: [REDACTED]
Sent: Friday, October 15, 2010 11:55 PM
To: [REDACTED]
Cc: [REDACTED]
Subject: RE: Update: JSTOR & MIT

Thanks [REDACTED],

Watching carefully and coordinating thoughts on next steps with them. Frankly, this is the typical effort +

transparency that we look for in abuse cases. They've come clean and offer an alternative that is reasonable. Routing their traffic through a proxy should provide the opportunity for more granular monitoring and greater throttling controls on their end. Scale is an understandable problem across a Class A range in terms of affecting real time analysis of logs across servers and activity (like MDC * N). Not acceptable, but raking them over the coals for no effect from here on out in my opinion. Typically, this is good cop time, pending no trouble this weekend. We'll try to take this opportunity to partner with them and gain better understanding as suggested, but we may need to get a technical level deeper than [REDACTED] & [REDACTED] to do that, in my estimation.

Thanks again,

[REDACTED]

-----Original Message-----

From: [REDACTED]
Sent: Friday, October 15, 2010 6:31 PM
To: [REDACTED]
Cc: [REDACTED]
Subject: RE: Update: JSTOR & MIT

I am disturbed, as I know you are, by [REDACTED] at MIT's latest response. I know, you predicted it. We'll have to think carefully about how to handle it...

Have a great (and as [REDACTED] said) hopefully quiet weekend.

Best

[REDACTED]

-----Original Message-----

From: [REDACTED]
Sent: Friday, October 15, 2010 6:06 PM
To: [REDACTED]
Cc: [REDACTED]
Subject: Re: Update: JSTOR & MIT

Thanks [REDACTED] and agreed.

There is no question the focus on this issue will increase with CSP. We are speculating about new patterns already, like robotic low level downloading of all content in sequence on a regular schedule and in synch with our CSP partner's data release schedules. Easy to imagine, harder to detect amidst the noise and typical user patterns.

We'll have to adjust.

Best,

[REDACTED]

[REDACTED]

JSTOR | Portico

██████████@ithaka.org
██████████

On Oct 15, 2010, at 4:47 PM, ██████████@ithaka.org> wrote:

> Hi ██████████

>

> Thanks very much for this thorough summary of the situation. You guys are on it and I am glad of that. We are all equally concerned about the enormous scale of the initial breach, but I am not trying to engage at the level of trying to help figure out a technical solution! Sorry about that; that one idea just popped into my head.

>

> As for the question of how we should deal with a further problem at MIT, it seems to me that we should talk to MIT about the scale of the first incident, that we should make sure we are all on the same page about the severity of this breach, and that we should let them know in advance what our plan is for handling future transgressions. We want them to understand and not be surprised by what we choose to do.

>

> Thanks for your good and thorough work on this.

>

> ██████████

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> -----Original Message-----

> From: ██████████

> Sent: Friday, October 15, 2010 3:53 PM

> To: ██████████

> Cc: ██████████

> Subject: RE: Update: JSTOR & MIT

>

> Hi ██████████,

>

> That would be an ██████████ question and I'll loop ██████████ in on it. As for the existent Literatum tools, they apply to the entire site and every participant and cannot be customized on an institution by institution basis. I imagine that several varieties of notification triggers can be established, but cannot speak to the ease or difficulty of implementation. ██████████ and I have discussed this issue a few times today, exchanged personal phone numbers and discussed blocking protocols for this weekend, in depth.

>

> ██████████ and I both agreed that 400K was crazy big, 8000 on the last grab was actually quite good considering the 1st incident and that anything over 8000 on a 3rd incident would sure feel like a digression. With the speed at which this thing operates, ██████████ and crew will have to do some decent strategizing and monitoring to meet this expectation. We are working in coordination to implement various measures to try and prepare. ██████████ for instance, rigged a small check of response times from the site through ██████████ phone so that decreasing response rates will flag unusually high activity.

>

> I am going to ratchet down the # of sessions per IP in one hour from 5000 to 1000 and watch it very closely. I

am also ratcheting down the 300 PDFs in one session over the next few weeks, with the intent of getting to 200 by CSP and perhaps further if it proves successful and not unduly prohibitive.

>

>

> I would say, frankly, that I do expect it to recur. But I also expect that increased attention to the issue and steps in place will limit the number of articles acquired to fewer articles this time around. I won't try and predict a number. Beyond that, we will continue to look for ways to prevent leakage for this pattern and, I think, should be prepared for a long term embargo against ranges from MIT in violation of our Terms & Conditions. That is, if we block another IP range from this activity, I would advise against reinstating it at all until they give some solid indication that they are on top of it. I see no evidence from MIT as yet that would indicate they have this situation under control or the user identified.

>

> Best,

>

> ██████████

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> -----Original Message-----

> From: ██████████

> Sent: Friday, October 15, 2010 3:09 PM

> To: ██████████

> Cc: ██████████

> Subject: RE: Update: JSTOR & MIT

>

> Is there any way to build a trigger around unusual usage in an IP range or per institution?

>

> ██████████

>

> -----Original Message-----

> From: ██████████

> Sent: Friday, October 15, 2010 9:17 AM

> To: ██████████

> Cc: ██████████

> Subject: RE: Update: JSTOR & MIT

>

> HI ██████████,

>

> I apologize for the lack of clarity in language here. ██████████ finished compiling the stats around the 9/25, 9/26 incident late last night. There has not been a recurrence.

>

> As for additional protections, this is very tricky. ██████████ is also noting thousands of machine IDs (unique machines used in the Literatum record). This does not mean that thousands of machines were used, but the pattern now looks like...

>

> Start a session

> Download a PDF

> End the session
> Clear cookies
>
> Repeat.
>
> By clearing their cookies and starting a new session, they effectively dodge the abuse tools in Literatum. There is a # of sessions by IP rule, set at 5000 sessions, based on the 9/25 incident, that is in place that might have caught the 2nd incident, but was not in place for the 1st incident. We are analyzing what happened there.

>
> The # of sessions per IP rule did not fire because it is on a server by server basis and the user was load balanced across more than a few servers (8,500 sessions would only need two servers to dodge the rule). We can ratchet the # of sessions down, but I am requesting data to find an effective level that would have caught incident #2, without disrupting normal users elsewhere. With our MDC and number of servers, there may be no sweet spot that accomplishes both.

>
> I was unaware of the volume until [REDACTED] completed the report last night and have not, as yet, reached out to MIT. This is very concerning and needs some extensive follow up.

>
> I am having a meeting with [REDACTED] here shortly to fast track a lower sessions per IP threshold recommendation and to make sure we are watching for MIT closely until further notice, given their non-committal correspondence yesterday, this weekend looks like a red flag window for this to recur.

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> Thanks,
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> [REDACTED]
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> -----Original Message-----
> From: [REDACTED]
> Sent: Friday, October 15, 2010 8:51 AM
> To: [REDACTED]
> Cc: [REDACTED]
> Subject: RE: Update: JSTOR & MIT
>
> Hi [REDACTED]
>
> What do you mean by the startling numbers that came in. Are you referring to this 453,570! ? Or was there another incident last night. That is a very scary number. Have we put in further protections -- I thought we had trips in place to prevent something like this from happening. This is very concerning. Does MIT understand the level of abuse here -- the number of articles taken?

>
> Do we have any idea where those articles went?
>
> [REDACTED]

>

> -----Original Message-----

> From: [REDACTED]

> Sent: Friday, October 15, 2010 8:45 AM

> To: [REDACTED]; [REDACTED]; [REDACTED]

> Cc: [REDACTED]; [REDACTED]; [REDACTED]; [REDACTED]; [REDACTED]

> Subject: Update: JSTOR & MIT

>

> Good Morning,

>

> We have received word back from MIT. I am including their email and my response as well (see below). That is where we stand at the moment.

>

> For those of you following OPS-1843, Quantify MIT Abuse Cases, you'll see that some startling numbers came in last night. The good news is that the latest incident was contained much more quickly. That said, some significant work to be done yet. Summarizing here.

>

> Incident on 9/25 & 9/26

>

> IP = 18.55.6.215

> Start = 25-SEP-10 05:06:49.109524 PM

> End = 26-SEP-10 04:24:54.297995 AM

> Total Sessions = 1,256,249

> Total Articles Downloaded = 453,570

> Total Journals Affected = 562

>

> Comments: This is an extraordinary amount and blows away any recorded abuse case that I am aware of since the CASS days.

>

>

> Incident on 10/9

>

> IP = 018.055.005.100

> Start = 2010-10-09 14:53:18 from

> End = 2010-10-09 19:08:01

> Total Sessions = 8,515

> Total Articles Downloaded = 8,422

> Total Journal Affected = 714

>

> Comments: Noticed quicker, dealt with quicker.

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> Correspondence as of yesterday...

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>

> Hello [REDACTED] and [REDACTED],

>

> Our investigations here point to the same guest that was involved in the 9/27 incident. We don't have enough information to follow the trail completely, but the signs suggest that the same guest user was responsible for this latest activity. To pursue this further, our IS&T group would need more information. Specifically, they are wondering if you are seeing any robotic activity from MIT currently and if so, whether you have any information about the IP addresses involved.

>

> Given that it appears all of this excessive use was caused by a guest visitor at MIT, we have been considering next steps, and would like to suggest that we move to a new access model that will eliminate use by guests. We have recently developed an additional authorization layer that we can apply to particular products to prevent access by guests/walkins. We've tried this approach with one or two publishers where we had seen repeated excessive use, and it has stemmed the problem in those cases.

>

> We would orchestrate this change by changing the proxy configuration on this end, and then we'd ask you to change the list of acceptable MIT IPs to only our proxy server's address -- a single IP.

>

> If this sounds like an acceptable approach, let's discuss the next steps. To carry out the change, I'd have JSTOR work with [REDACTED], copied here.

>

> Best,

>

> [REDACTED]

>

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>

> Thank You [REDACTED],

>

> I appreciate your response here. It appears we still have a ways to go to reach resolution, but I am glad to assist.

>

> First, this activity is not continuing at the moment. Given that we saw it twice in two weeks, starting on a Saturday, I will hazard a guess that if this does recur, it will begin again on a Saturday. That said, if an when it does recur, we will be denying IP ranges significant enough to prevent it from continuing, while hopefully avoiding the need to block the entire range again. Internally, we are agreed on this point.

>

> Second, we typically follow each case of excessive downloading with a three step process for considering the incident resolved...

>

> 1. Is it continuing? Not at the moment, but the jury is still out and will be for a few weeks.

>

> 2. Did the institution take the necessary steps to prevent recurrence? I see your suggestions here and have

> Cc: [REDACTED]; [REDACTED]; [REDACTED]; [REDACTED]; [REDACTED]

> Subject: Update: JSTOR & MIT

>

> Just a quick update...

>

> [REDACTED] is compiling the last of the stats surrounding these two incidents. All IP addresses have been restored for access to JSTOR at MIT with [REDACTED] keeping a watchful eye for recurrence. I have been in contact with our contacts at MIT and they are very helpful. Once we have the IPs and date stamps from our logs, I will be requesting a summary from their side, an outline of steps taken and passing along our summary to you all.

>

> [REDACTED] at MIT is very appreciative of our efforts here and was not upset that their IPs had been blocked, but seeking, as we all are, to have full reinstatement and activity return to normal with the requisite accountability. We will continue working together toward that end.

>

> [REDACTED]

>

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> -----Original Message-----

> From: [REDACTED]

> Sent: Tuesday, October 12, 2010 10:39 AM

> To: [REDACTED]; [REDACTED]; [REDACTED]

> Cc: [REDACTED]; [REDACTED]; [REDACTED]; [REDACTED]; [REDACTED]

> Subject: RE: Update: JSTOR & MIT

>

> Thanks [REDACTED],

>

> First, let me take the opportunity to clarify the two versions of this that occur...

>

> 1. An institution trips one of our abuse threshold (300 PDFs in one session, 5000 sessions in one hour), there individual IP is blocked for 30 minutes.

>

> a. Users from that IP address (sometimes a proxy serving the whole campus, sometimes just one IP address) will see the standard error page that was created last August as we implemented abuse tools...

>

> Access Suspended

>

> Access to JSTOR from your current IP address ([REDACTED]) has been suspended. We will be in contact with the administrators at your institution directly and will work to have access restored as quickly as possible. For more information, please contact JSTOR Support.

>

> ...If the activity occurs just once, we consider the issue resolved and the message effective in outlining the Terms & Conditions of Use for the end user. If the blocking recurs for that institution, we typically get a hold of the institution and seek correspondence and resolution. Long term cases at institutions are fairly rare and usually don't persist day in and day out, but occur a few times over the course of a few weeks until the institution can

get it resolved. Each block basically = 300 PDFs, which means a small amount of the archive is leaking out, never en masse.

>
> b. This particular case highlights that our 5000 session limit (implemented as a response to MIT on 9/29) is calculated per IP AND per server. We were under the impression that it would be applied per IP only, which would have caught this 2nd incident. We will use the data derived from this incident to put a limit in place that accounts for the per IP, per server metric.

>
>
> 2. In the MIT case, the Class A range was blocked, at [REDACTED] request, at the firewall level. This was necessary because the traffic itself, even if denied the ability to download PDFs, was so intense it would have had the same effect on our server stability. In this case, users are seeing...

>
> "Server not found. Firefox can't find the server at www.jstor.org."
>
> ...because it is not implementing the Literatum abuse tools, but is blocked at the firewall.

>
> In summary and answering your questions directly. I can only recall one other time that [REDACTED] blocked an IP at the firewall. It wasn't abuse, but it was a robot gone haywire, downloading the same PDF at a wild rate and beginning to threaten our capacity to serve the public site on some servers. We can alter the message that users see when IPs are blocked, but it is a one size fits all solution. We cannot alter what users see when their IP is blocked at the firewall.

>
> It is perhaps useful to note that the librarians we are in contact with are rarely defensive or irritated, and almost always shocked, embarrassed and apologetic. These are also the same librarians that we sell our content to. Our basic approach is to leave them with the impression that we are simply being good stewards of the content and using reasonable means to do so. Blanket IP range blocks and excessive force are to be avoided when possible and are not necessary 99% of the time. Once the librarian understands the different pieces of the abuse puzzle, they are very cooperative and looking to help.

>
> That said, it is a useful exercise to understand the nature of the problem here. By doing a simplified Chinese language Google search on "EZProxy password", you will find numerous lists with valid authentication information for hundreds if not thousands of schools. I copied the contents from a random site on the first page of results found using this search below just now. The number of sites like these are legion. So it's not that the librarian or technical staff are able to stem this tide either and we need to understand their position as well. We need to be level headed and even handed. This particular MIT case is extremely abnormal.

>
> All that said, with CSP on our doorstep, it would be a valuable enterprise to understand our partner's expectations for protection of their content and to help them understand our capabilities and limitations as well. In some cases, we will be doing more to protect the content than they have historically, in others, because our usage is so high, it will be hard to match their efforts because the abuse tools don't scale particularly well to both prevent excessive downloading and maintain access for legitimate users. Proxied access is especially hard in this regard. That is, you could easily imagine a larger school having 200 unique sessions from one IP (proxy) in an 5 minute span (a professor assigning one article in a large lecture could hit this mark in isolation), whereas 200 sessions in a 5 minute period from the same IP at the UC Press website might look like an onslaught.

>

> In case, once MIT is resolved, we will have to circle back and at least breakdown what our protocols should be going forward and begin to scope the CSP engagement with regards to abuse at JSTOR.

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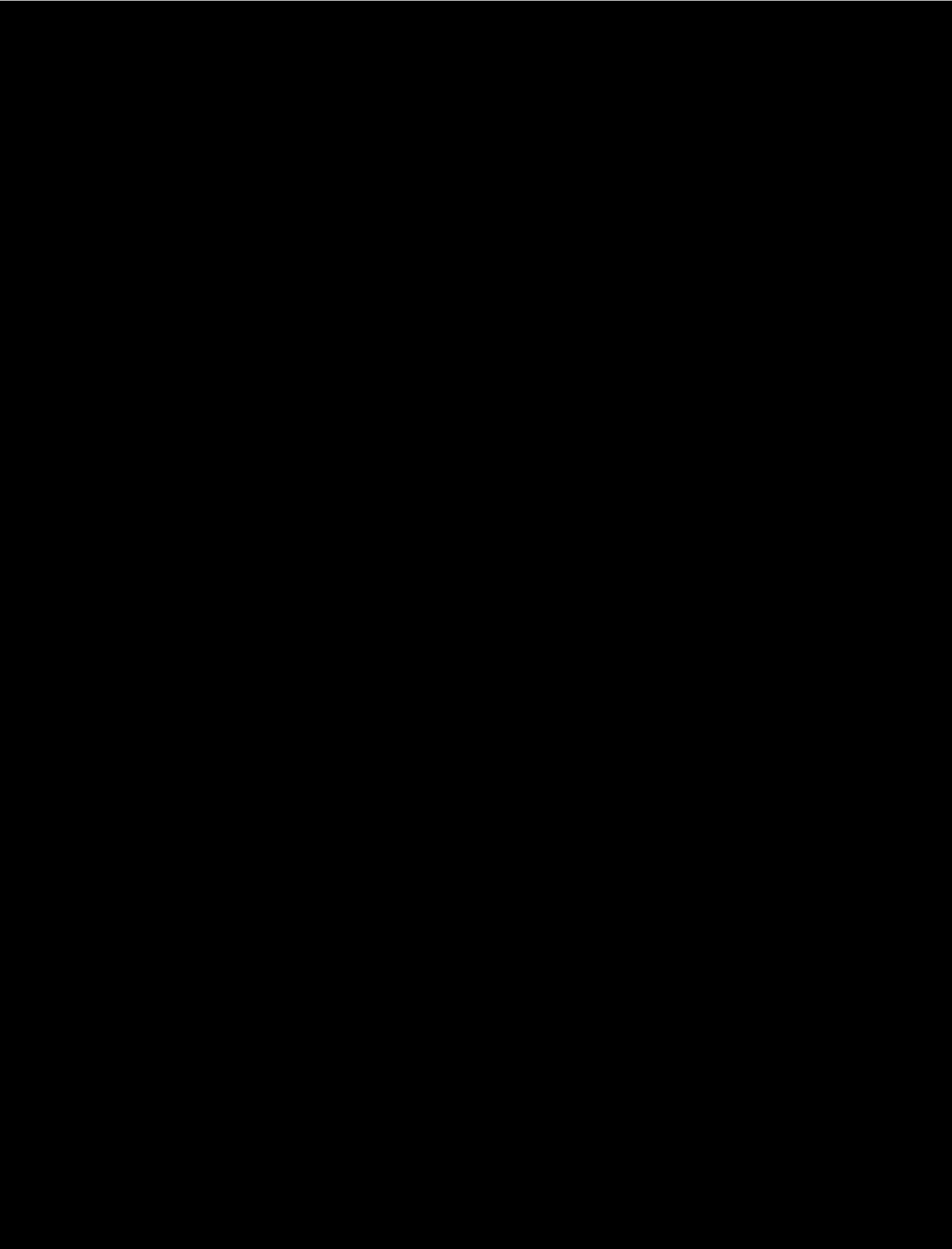
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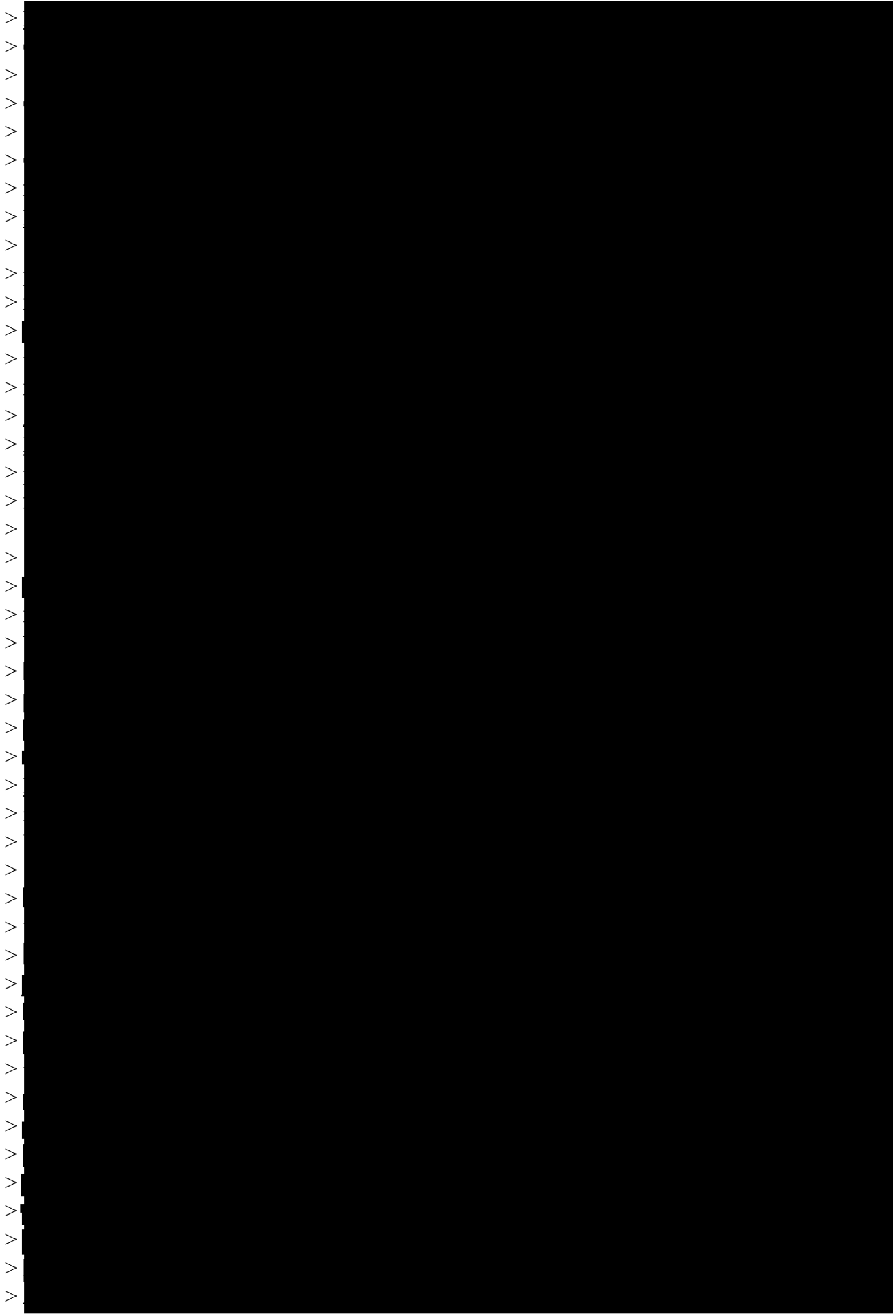
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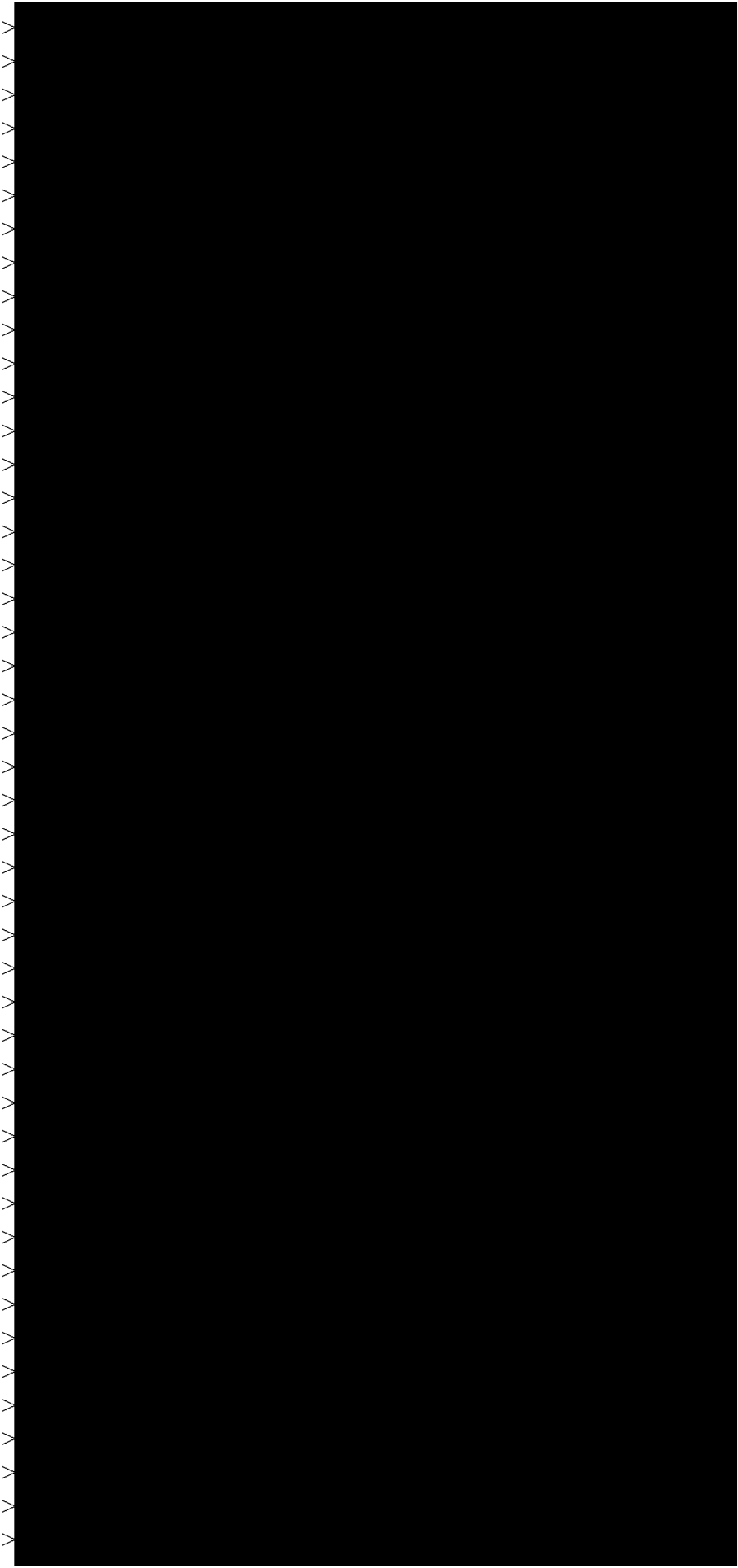
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>
> Dear [REDACTED] & [REDACTED],
>
> Good evening. I am hoping to hear additional news from you about the status of this weekend's block of IPs for JSTOR access at MIT. We are beginning to receive feedback from MIT users on our Facebook page and via direct email and we would like to be able to let them know the current status of the IP denial and an expected timetable for resolution. We are reticent to do so having not heard from you. A progress report on this incident would be helpful to assist us in better serving our mutual patrons.

>
> Again, please do let me know if I can assist further from our end and I'll be glad to do so.

> Best,

>
> [REDACTED]
> [REDACTED]
> JSTOR
> [REDACTED]@ithaka.org

> -----Original Message-----

> From: [REDACTED]
> Sent: Monday, October 11, 2010 7:36 PM
> To: [REDACTED]
> Cc: [REDACTED]
> Subject: RE: Update: JSTOR & MIT

> I would let our MIT contacts know immediately that we are hearing directly from end users and how they would like us to respond. We don't want this discussion to go viral on Facebook, etc., so my advice is to try to avoid direct responses about robots and such. This could result in criticism in both directions that could be hard to stop.

>
> [REDACTED]
>
> -----Original Message-----

> From: [REDACTED]
> Sent: Monday, October 11, 2010 7:32 PM
> To: [REDACTED]
> Cc: [REDACTED]
> [REDACTED]
> Subject: RE: Update: JSTOR & MIT

> Good Evening,

> By way of an update, we have one email and one Facebook post referencing the outage at MIT, both are from end users and are of the wondering what's up and giving us an FYI variety. Having not heard from MIT officially today, I am suggesting we respond to both users with the following...

>
>
> Thanks for alerting us to the issue with JSTOR access and MIT. Over this past weekend, robotic activity was noticed at JSTOR that is in violation with our Terms & Conditions of Use. The scope of this activity required us to deny access to JSTOR for all of MIT until it can be resolved.

>
> We are in communications with the library and technical staff at MIT and expect resolution shortly. Please accept our apology for any inconvenience this may have caused. We are working to restore JSTOR access to MIT as quickly as possible and anticipate a resolution shortly.

>
>
> ... but welcoming suggestions. We can also refer them to their librarian, but note that this can be seen as a passive aggressive step from their end, though it would provide additional pressure on them, and is usually reserved for the completely non-responsive official contacts.

>
> No doubt, the correspondence thus far from them would seem to be direct and agreeable, but no word from them today. From the incident on 9/25 and 9/26, they confirmed resolution on the 29th, so it might be expected to take a day or two, but that was only denying a small subset of their range and this is much, much larger.

>
> I will reach out again, directly, first thing tomorrow morning, just to make sure they are in receipt on their end and action is being taken. Without additional word directly from MIT or anyone on this email chain, I will respond to the two users others going forward as stated above by 10pm EST.

>
> Best,

>
> [REDACTED]

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> -----Original Message-----

> From: [REDACTED]
> Sent: Monday, October 11, 2010 2:05 PM
> To: [REDACTED]
> Cc: [REDACTED]

[REDACTED]
> Subject: RE: Update: JSTOR & MIT

>
> Thanks, [REDACTED].

>
> Does sound quite probable that this is an open proxy issue. I suggest we also ask MIT to scan for other open proxies, given that we had a situation with them a couple of weeks ago as well. If it's not an open proxy (that is, if the infringer is on-site or locatable/identifiable), I'd like -- as you already note -- confirmation of deletion of harvested content. I'd like to understand with some specificity how they go about obtaining this confirmation and ascertaining its veracity. And, how do they "deal with" these situations, beyond requesting confirmation of

deletion? Are they able to tie the activity to a former "visiting scholar" or other individual? If so, are they willing to work with us to pursue more stringent law enforcement efforts (I'm not saying that we would in this circumstance, but I'm not necessarily satisfied with letting things go simply because the activity "stopped"; again, this is industrial theft and it's happening on a large scale or organizations all over). Also, open proxy is one risk and we should consider what if any follow up is possible re tracking down the content stolen from locations far away, but I also have real concerns about our content being downloaded more locally to hard drives or exported elsewhere. So, there may be different follow up depending on the type of infringement occurring.

>
> In any event, this is one of the reasons for wanting to implement discrete watermarking or identifiers, should we in time find our content re-purposed by other sites.

>
> -----Original Message-----
> From: [REDACTED]
> Sent: Monday, October 11, 2010 12:47 PM
> To: [REDACTED]
> Cc: [REDACTED]

> Subject: Update: JSTOR & MIT

>
> Afternoon Update,

>
> Still no word from MIT, but I suspect it will come shortly. That said, and wanting to be prepared, if there are any details or contingencies for reinstatement, we should be developing those now. They will likely come back and say it's taken care of again. They may or may not offer a reason. An immediate recurrence is highly unlikely, whether they have truly taken care of it or not, so it will be hard to solicit proof.

>
> If I were forced to guess, I think they will report back that they identified a compromised User Name and Password and a bunch of referring access from IPs around the globe (typically some combination of China, Russia, and a smattering of Eastern European, Asian and South American origins). Some schools think that blocking those referring IPs is sufficient, which it is not, but isn't a bad addition. Hackers generally use Open Proxies to fake their actual location and can find an alternate Open Proxy to use quite readily. Only changing the password or disabling the offending Username and Password is an acceptable solution.

>
> In cases like these, we ask them to confirm that the identity responsible has been dealt with, we also ask that they confirm deletion of harvested content, but if it is from a referring IP abroad, this user could be anyone/anywhere.

>
> Anyway, if there are special requests or requirements to gain reinstatement, we should have them at the ready.

>
> Thanks,

>
> [REDACTED]

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>
>

>
> -----Original Message-----
> From: [REDACTED]
> Sent: Monday, October 11, 2010 11:04 AM
> To: [REDACTED]
> Cc: [REDACTED]
[REDACTED]
> Subject: Re: Extreme robotic activity of JSTOR at MIT
>
> Thanks [REDACTED],
>
> There was one Facebook post at midnight, a normal user from MIT (at least via his profile he lists the MIT Network in Facebook), having trouble. I have not responded, wanting to give MIT at least the morning to touch base. Still no word from MIT.

>
> Looping in [REDACTED], [REDACTED] and [REDACTED]. I brought them up to speed last night.

>
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>
>
> [REDACTED]
> [REDACTED]
> JSTOR | Portico
>
> [REDACTED]@ithaka.org
> [REDACTED]

> On Oct 11, 2010, at 10:40 AM, [REDACTED]@ithaka.org> wrote:

>
>> Good to see this response. I fully understand our need to be down until this is remedied, but I'm also mindful of the potential loss of goodwill from innocent MIT users who rely on us. Has [REDACTED] received any inquiries on this front?

>>
>> -----Original Message-----
>> From: [REDACTED]
>> Sent: Sunday, October 10, 2010 9:43 PM
>> To: [REDACTED]
>> Subject: Fw: Extreme robotic activity of JSTOR at MIT
>>
>> Fyi

>> ----- Original Message -----
>> From: [REDACTED] [mailto:[REDACTED]@MIT.EDU]
>> Sent: Sunday, October 10, 2010 08:15 PM
>> To: [REDACTED]
>> Cc: [REDACTED]@mit.edu>; [REDACTED]@mit.edu>

>> Subject: RE: Extreme robotic activity of JSTOR at MIT

>>

>> Thank you, [REDACTED]. Your action was entirely appropriate, and I appreciate your courtesy in letting me know. It is infuriating that MIT's security appears unable to stop this pattern. We will redouble our efforts to solve the problem. --[REDACTED]

>>

>>

>> From: [REDACTED]@ithaka.org]

>> Sent: Saturday, October 09, 2010 11:15 PM

>> To: [REDACTED]

>> Subject: Extreme robotic activity of JSTOR at MIT

>>

>> Dear [REDACTED]

>>

>> I wanted to let you know about an extreme step we have taken this evening. Our staff have blocked access to JSTOR from MIT. This is a highly unusual step and one we do not take lightly. We have had to do so because someone is systematically attempting to download large parts of the JSTOR database from within MIT's IP range. They use robots to open a session, download a PDF, open a new session, download another PDF, and keep repeating at a high rate. Not only is this a problem because it is beyond the terms of the license, but the downloading is so extensive that it impacts other users and has even brought some of our servers down. We worked through a similar incident at MIT three weeks ago and thought that the activity was being done by a visiting scholar who had left. But it has started again at an even faster rate. I am not writing you to complain about the activity; I just wanted you to be aware of the extreme step we have taken and why.

>>

>> Our staff have communicated with your staff and will be working to get MIT access back up just as soon as possible.

>>

>> I'll keep you posted as I hear more.

>> Best regards,

>>

>> [REDACTED]