

Forum:[Hack Forums](#)

Thread: [Server Update](#)

Omniscient - May 22, 2015, 9:15 pm

A couple months ago I rented a new server for us and I've slowly been working on it as the time has presented itself.

Given how much BS we're dealing with lately I'm trying to push up the timetable to accomplish a full server move.

Our existing servers are old. They are underpowered and don't have enough resources. Certain options which I'd love to add to HF I have not been able to do.

The new servers are amazing. The DB server alone has 96GB of ram and 24 cores. More than enough power and room to implement new features and to run HF for at least 5 more years.

The HTTP server is right now running both Nginx and Apache with Nginx as the reverse-proxy. I just got done setting it up to my satisfaction. I have a lot of special needs and custom stuff I run. It's running like a charm right now.

Things that will improve after the move:

1. Load time. Already quick but should be even faster.
2. Search. I should be able to ditch Sphinx search in favor of the built in InnoDB FT searching. Biggest difference will be that I can likely set min characters to just 3 and that results will be more accurate. We should also have searching by Thread Prefix working too. That's going to open up some possibilities for plugins or custom changes.
3. Notifications. Yes, I might, just might consider options.
4. Uptime. The new setup should in theory provide us with a lot better uptime. The NGINX reverse-proxy provides me a new tool to stop certain attacks that have been hounding HF.
5. Security. The new servers have a few extra security measures I've placed. Can't really elaborate but the servers do have a deeper setup than existing ones.

I am sure there is more too. Many suggestions are rejected just based on resources.

I still need to continue working and doing more testing. I am almost certainly going to upgrade us to the latest branch of MyBB 1.8x. That itself is going drive me crazy with changes to plugins and templates.

Once we're on 1.8 I'm going to work on making our template a responsive design. Hopefully I won't have too much trouble and we can look forward to a truly good site experience for mobile and desktop users alike.

So that's an update to what's going on and how I spent the last 24 hours. It's going to be a big summer around here. Changes are coming and all of them are improvements.

Thank you for reading.

Fantasized - May 22, 2015, 9:16 pm

Better security should be better, always experiencing some down-time especially during 9pm for me.

Good luck Omni

Hydra - May 22, 2015, 9:16 pm

So I assume this is the "summer upgrade" you were planning for?

iDuL - May 22, 2015, 9:17 pm

Thanks for continuing to rule out updates to the site Omni.

Please forgive me of the misunderstanding between us the led you to RF me.

Supreme??????? - May 22, 2015, 9:17 pm

(May 22, 2015 09:15 PM)Omniscient Wrote: [\[CITE\]](#) 3. Notifications. Yes, I might, just might consider options.

Looking forward to this, Omni. Thanks for doing the update.

Roger Waters - May 22, 2015, 9:17 pm

What is the time frame for everything to be completely moved over to the new server?

Fr?sh - May 22, 2015, 9:18 pm

(May 22, 2015 09:17 PM)Supreme??????? Wrote: [\[CITE\]](#) Looking forward to this, Omni. Thanks for doing the update.

i also am looking forward to the notification feature

we r num 1 - May 22, 2015, 9:19 pm

This site doesn't really have loading issues for me most of the time so now its going to be crazy fast.

Fox™ - May 22, 2015, 9:23 pm

That sounds awesome Omni. Thanks for the update.

Blazin - May 22, 2015, 9:24 pm

I'm sure the new servers will handle the load like a champ and help out HF for years to come.

24 cores and 90+ gb ram is nice.

Black Reaper - May 22, 2015, 9:25 pm

Having a notification feature would be great.

Vegas - May 22, 2015, 9:26 pm

(May 22, 2015 09:15 PM)Omniscient Wrote: [\[CITE\]](#) 5

(May 22, 2015 09:15 PM)Omniscient Wrote: [\[CITE\]](#) more

(May 22, 2015 09:15 PM)Omniscient Wrote: [\[CITE\]](#) years.

Hnnnnnngh ?

Spoiler [\(Click to View\)](#)As if I won't be banned by then

Charlemagne - May 22, 2015, 9:26 pm

I'm glad this is happening :) HF has become very dear to me in the months that I have joined.

G???????f????s? - May 22, 2015, 9:26 pm

This is why Omni is god. And another reason why we stay.

Canonsx130 - May 22, 2015, 9:27 pm

This is incredible news. This server update surely is going to be the base for lots of huge changes

on HF. I'm excited to see the responsive design + MyBB 1.8.x on HF.

T3h Hack3r - May 22, 2015, 9:28 pm

Nice work. I still recall the days where you had to spend hours on end working on the database because it had locked. From memory there was also a loss of threads/posts for around 12 hours at the time as a result. The server upgrade a few months later was awesome. The site ran extremely smooth.

Prince™ - May 22, 2015, 9:31 pm

Nice work Omni. Can't wait to get on the new server. It's RAM speed is so promising.

Ombra - May 22, 2015, 9:36 pm

Can't wait for these changes to come, long live HF ?

#Skyline - May 22, 2015, 9:38 pm

I'm looking forward for a better experience when browsing via my Mobile.
Looking forward to it, and thanks Omni.

iloominati - May 22, 2015, 9:41 pm

NOTIFICATIONS HELL YES YEEEEEE

QUOTES BRO I NEED NOTIFICATIONS FOR THAT

Raijin - May 22, 2015, 9:44 pm

It's always great seeing all the new changes & upgrades you make during summers.

prada ? - May 22, 2015, 9:47 pm

I don't really think notifications are necessary. Most of us have adapted to the current system.

Vegas - May 22, 2015, 9:47 pm

(May 22, 2015 09:38 PM)#Skyline? Wrote: [\[CITE\]](#) I'm looking forward for a better experience when browsing via my Mobile.

Looking forward to it, and thanks Omni.

Skyline you the real mvp-----

Grim - May 22, 2015, 9:48 pm

looking forward to all the changes. i really hope you go through with the notifications and it gets implemented. I think this will bring alot of new members to the forum if you made that option available. Or maybe even it could be a feature for upgraded members only ?

Vegas - May 22, 2015, 9:48 pm

(May 22, 2015 09:47 PM)Prada? Wrote: [\[CITE\]](#) I don't really think notifications are necessary. Most of us have adapted to the current system.

If HF gets any more convenient for mobile devices my degree is fucked.

VRUMM - May 22, 2015, 9:49 pm

I wonder what you use to mitigate ddos attacks.

Raijin - May 22, 2015, 10:03 pm

(May 22, 2015 09:48 PM)Vegas Wrote: [\[CITE\]](#) If HF gets any more convenient for mobile devices my degree is fucked.

+1 too true.

But honestly would love to see new mobile development.

Omniscient - May 22, 2015, 10:04 pm

Quote:What is the time frame for everything to be completely moved over to the new server?

I can't say for sure. Weeks or months. When it's done it's done. Keep in mind that until it's done I'm paying for all the servers including the new ones currently not in use. So I have some serious incentive to get this done. I just want this done but I can't say for sure when. Took me 2 months to do the work I did today which is realistically about 50% of the job.

Quote:Nice work. I still recall the days where you had to spend hours on end working on the database because it had locked. From memory there was also a loss of threads/posts for around 12 hours at the time as a result. The server upgrade a few months later was awesome. The site ran extremely smooth.

That was the last major server change. I wrote this at the time:
<http://www.vbum.com/2010/01/mybb-and-increasing-performance/> Yes, that's in 2010 and proof our setup is 5 years old. Which is ancient.

FuZioN - May 22, 2015, 10:09 pm

I'm really looking forward to the responsive Theme, which will be good for us mobile users.

Prince™ - May 22, 2015, 11:24 pm

(May 22, 2015 09:47 PM)Prada? Wrote: [\[CITE\]](#) I don't really think notifications are necessary. Most of us have adapted to the current system.

I kinda feel the same too. I wish he leaves it as it is.

clark.dll - May 22, 2015, 11:25 pm

Omni you are a very beautiful person please continue being yourself.

Retribute - May 22, 2015, 11:47 pm

Looking forward to the future. Thanks for all of your efforts, Omniscient.

asmoka - May 22, 2015, 11:51 pm

Looking for a fresher and better forum. Thanks for the updates you're rolling out and hopefully this change allows to implement some cool things like notifications. I VOTE ON IT! Would be a solid add to the forum.

Ahri????? - May 23, 2015, 12:01 am

Quote:3. Notifications. Yes, I might, just might consider options.

[\[img\]http://mashable.com/wp-content/uploads/2013/07/crazy-dance.gif\[/img\]](http://mashable.com/wp-content/uploads/2013/07/crazy-dance.gif)

Now we may actually keep track of replies, I tend to lose track of things fast without some sort of notification. I don't like the email thing, I tend to be OCD with email cleaning.

Coton Pker - May 23, 2015, 12:03 am

aaaaaand HF steps into the future a bit more.

Stapleton - May 23, 2015, 12:21 am

Can't wait to see what MyBB 1.8 will offer to HF.

Zink - May 23, 2015, 12:56 am

Thank god, Notifications.

The Time is HEEEREEEEEE

NiktoKan - May 23, 2015, 1:05 am

Sound great sound powerful. One of the best feature is min 3 characters search which is very useful.

Hydra - May 23, 2015, 1:23 am

(May 23, 2015 12:21 AM)ClaudeX Wrote: [\[CITE\]](#) Can't wait to see what MyBB 1.8 will offer to HF. MyBB's biggest features IMO are:Soft Delete (Like junking a thread, can be restored - not sure if Omni will allow this as it still takes up DB space but junking is allowed so maybe)

Quick Reply PM (No need to use a userscript for quick replies ?)

Edit Reason (Finally! Don't have to add "Edit:")

Relative Time (Instead of time of post, it will say 5 days ago or 30 minutes ago)

Minimum Post Count Excludes MyCode (Adding 10 bold tags to bypass post count limit won't work anymore)

Invite-Only Joinable Groups (Will be listed on the groups page but you cannot request to join, you must be invited)

A whole bunch of mod tool improvements

Read it all here: <http://blog.mybb.com/2014/09/01/mybb-1-8-released/>

Server97 - May 23, 2015, 1:51 am

[Video: <https://www.youtube.com/watch?v=a8c5wmeOL9o>]

Suspense - May 23, 2015, 1:56 am

The future of HF is looking promising. Happy that a lot of nice implementations have been added recently.

Very intrigued to see some new features and upgrades coming along. Thanks Omni.

FreeAnneFrank - May 23, 2015, 1:57 am

Really looking forward to this. Also we all would love the Notifikation system

240sx - May 23, 2015, 2:24 am

Quote:3. Notifications. Yes, I might, just might consider options.

I would love this feature to be implemented. It's more convenient for me to get an notification in a thread that I posted on. Looking forward towards this once you fully prepared HF's new server enhancements :).

Quote:I am sure there is more too. Many suggestions are rejected just based on resources.

So more features might be able to be implemented ?.

Quote:So that's an update to what's going on and how I spent the last 24 hours. It's going to be a big summer around here. Changes are coming and all of them are improvements.

You've been working your ass off improving and adding features for HF I've noticed these past months. Thank-you so much for everything you're doing for the site.

Vandie - May 23, 2015, 3:07 am

Great. I'm glad you managed to do this.

+One - May 23, 2015, 4:15 am

Fantastic news Omniscient, thanks for the update. And I hope notifications will be implemented.

Baysick - May 23, 2015, 4:39 am

Here it comes, HF going for the better.

I'm honestly looking forward to notifications, if you're going to add it.

Billie Joe Armstrong - May 23, 2015, 4:40 am

New server update? Aww yeah Omni!

Thanks a lot , mate!

Loyalty. - May 23, 2015, 4:44 am

Sounds great Omni, bring on the new servers!

ScreamOutLoud - May 23, 2015, 5:18 am

This is nice news omni. Thanks for your hardwork :D

LastSession - May 23, 2015, 5:25 am

Quote:2. Search. I should be able to ditch Sphinx search in favor of the built in InnoDB FT searching. Biggest difference will be that I can likely set min characters to just 3 and that results will be more accurate. We should also have searching by Thread Prefix working too. That's going to open up some possibilities for plugins or custom changes.

FINALLY! Thanks for the new features. :)

Time? - May 23, 2015, 5:27 am

Damn, notifications would be great.

ItsATumor - May 23, 2015, 5:37 am

Great work omni, this opens the door for a ton of new features.

Wymon - May 23, 2015, 5:45 am

Really happy that notifications aren't a total no now. ?

He B TeMy - May 23, 2015, 8:16 am

The MyBB update for sure will be the biggest 'hassle' i think.

That's some good news omni.

Reval - May 23, 2015, 8:20 am

Nice to see that forum is constantly being updated and improving.

Looking forward for these summer updates, good luck with your work.

Bluffer - May 23, 2015, 8:32 am

Sounds awesome, I'm looking forward to seeing how HF turns out.

Windows95 - May 23, 2015, 8:43 am

With all these post I expect you need a high speeded DB server, assuming it's going to be remote be sure to secure it properly.

Omniscient - May 23, 2015, 8:56 am

I'm feeling so gawd right now with how badass the new setup is becoming. It's very very nice. All working really well under my testing. If we're lucky I can get us moved within a few weeks maybe even sooner. I sort of just want to get this done. I do however still need to finish sticky purchase automation. I think that will take me 3-5 days to fully complete.

Very likely HF will have to be offline for 4-12 hours for the move. I will of course announce it. The move will only happen once I've fully tested the environment. I'm pretty much ready to run a full version of HF on it now. I have to move the 35Gb database, setup the MyBB files, make sure it's all working as expected and then see how upgrading to 1.8x goes.

What's going to need to be done is the upgrade to 1.8x will have to happen on the new hardware. I suspect the existing hardware will just choke on the queries. So in essence we move as 1.6x and on the new server when I open we'll be 1.8x. Going to create a rather interesting week when this happens. Hopefully I can prepare well enough that the problems will be minimized.

Canonsx130 - May 23, 2015, 9:00 am

(May 23, 2015 08:56 AM)Omniscient Wrote: [\[CITE\]](#) I'm feeling so gawd right now with how badass the new setup is becoming. It's very very nice. All working really well under my testing. If we're lucky I can get us moved within a few weeks maybe even sooner. I sort of just want to get this done. I do however still need to finish sticky purchase automation. I think that will take me 3-5 days to fully complete.

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Goddamit you must be feeling badass. Having ran some minute forums, I can scale it up and imagine how big this is. Gotta give it to you for doing all of this solo. I guess that's your huge experience in action. I'm all excited for 1.8, so many handy features in there... Hope all goes well.

Prince™ - May 23, 2015, 9:03 am

(May 23, 2015 08:56 AM)Omniscient Wrote: [\[CITE\]](#) I'm feeling so gawd right now with how badass the new setup is becoming. It's very very nice. All working really well under my testing. If we're lucky I can get us moved within a few weeks maybe even sooner. I sort of just want to get this done. I do however still need to finish sticky purchase automation. I think that will take me 3-5 days to fully complete.

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suspect the existing hardware will just choke on the queries. So in essence we move as 1.6x and on the new server when I open we'll be 1.8x. Going to create a rather interesting week when this happens. Hopefully I can prepare well enough that the problems will be minimized.
Just can't wait. The hype is real right now. ?

E M I N e M - May 23, 2015, 9:11 am

Thanks Omni for keepin' the Site Updated, Very excited for 1.8 ;) but plz don't Block Jordan, Dubai IP's :P...
Hope it all goes well.

iExploits - May 23, 2015, 9:28 am

Omni you're fucking awesome. Thanks for being the best Web Master ever. I personally want to thank you for what you're doing with the site. Thank you very much.

Durham - May 23, 2015, 9:30 am

Wow, nice update Omni. Nice job with 24 cores and 90+ gb ram!

Purist - May 23, 2015, 9:31 am

This is amazing, nice to see it.

Cyaddd - May 23, 2015, 9:33 am

You da bomb Omni, you da bomb!

Realizm - May 23, 2015, 9:34 am

This is really great news! ?

Quiver - May 23, 2015, 10:08 am

Sweet! I'm so excited for these future changes!

Epicur - May 23, 2015, 10:13 am

Always is good to hear this community will get more features.

It's nice we don't have an admin that just looks at the community and charges them but try to improve and get better services.

Thanks Omni!

Vegas - May 23, 2015, 11:04 am

Tinychat party for the server change tho ?

Omniscient - May 23, 2015, 11:27 am

(May 23, 2015 10:13 AM)Ragnar Lodbrok Wrote: [\[CITE\]](#) It's nice we don't have an admin that just looks at the community and charges them but try to improve and get better services.

First and foremost I want to run a community, not just own it and make the money. It's not fun unless I actively manage, participate, and improve this community. What I learn running this place is invaluable. The reward of doing a good job surmounts all else.

Expels - May 23, 2015, 11:44 am

I'm super fucking excited for this, notifications would literally be jesus...!

Realizm - May 23, 2015, 11:50 am

(May 23, 2015 01:23 AM)iHydra Wrote: [\[CITE\]](#) MyBB's biggest features IMO are:Invite-Only Joinable Groups (Will be listed on the groups page but you cannot request to join, you must be invited)

Read it all here: <http://blog.mybb.com/2014/09/01/mybb-1-8-released/>

I'm not sure I like that all too much lol. Especially when we have our events ?

Happeh - May 23, 2015, 1:33 pm

Looking forward to all the changes and the upgrade to 1.8. Can remember when I first joined there used to be so many attacks on Hf and everyday it'd be down for a few hours atleast, great to see how much you as an admin deflecting attacks, and the site has changed.

Vandie - May 23, 2015, 3:46 pm

(May 23, 2015 01:33 PM)Happeh Wrote: [\[CITE\]](#) Looking forward to all the changes and the upgrade to 1.8. Can remember when I first joined there used to be so many attacks on Hf and everyday it'd be down for a few hours atleast, great to see how much you as an admin deflecting attacks, and the site has changed.

Happeh, ladies and gentlemen. OldFag for life.

Seriously though, Happeh, talking like your reminiscing their buddy...

Gary - May 23, 2015, 3:54 pm

Looks like its the year of change for HF.

Tokyo - May 23, 2015, 4:01 pm

Awesome! Excited for the new changes, also explains why the site is so slow lately.

~\$ocio - May 23, 2015, 4:05 pm

MOBILE! Yes! That is what I am looking forward to!

iDiv - May 23, 2015, 4:09 pm

Fuck yes, money well spent. Good job, sir.

If I may suggest, a toggle for what type of notifications we get.

webdev77 - May 23, 2015, 4:55 pm

Wow that's a lot of stuff that was covered here. I look forward to seeing all the hard work be implemented once and for all.

Eternal. - May 23, 2015, 5:04 pm

Very good, glad to see you will be improving the site further and will have the resources to implement future improvements as well. I cannot wait to see what future updates to MyBB and the new servers will mean for HF.

NoodleBot™ - May 23, 2015, 5:10 pm

That's nice to see that updates previously suggested took to much more and resources and that this will fix that. I guess you'll be getting a fuck ton more suggestions again, even some older ones.

Happeh - May 23, 2015, 6:24 pm

(May 23, 2015 03:46 PM)Vandie Wrote: [\[CITE\]](#) Happeh, ladies and gentlemen. OldFag for life.

Seriously though, Happeh, talking like your reminiscing their buddy...

I like to take myself back because it allows me to enjoy the current even more. How HF and I have grown.

Tony Stark - May 24, 2015, 4:41 am

Awesome to hear the new levels HF is progressing too.

I feel like this soundtrack should be in OP.

Spoiler ([Click to View](#))

Meow - May 24, 2015, 4:45 am

Thanks Omni, happy to see you will be updating servers. ?

???? - May 24, 2015, 4:45 am

This is something very exciting for the community, thanks for the upgrade Omni.

Hopsin - May 24, 2015, 4:49 am

3 min characters for search? Finally! Good update this time.

spradebassen - May 24, 2015, 5:02 am

Thank you for this, the loading is pretty annoying at the moment though.

'An0ny - May 24, 2015, 6:40 am

There are some interesting systems out for 1.8 currently, using Web Sockets. Ends up as Real Time notifications, which is cool.

Zettabit - May 24, 2015, 6:54 am

Read all the replies, and didn't see it once, so I gotta be that person to ask.

Where did you buy the new servers from?

blu3 - May 24, 2015, 7:19 am

I'm looking forward to notifications. Thanks Omni

???? - May 24, 2015, 9:16 am

We seem to finally be back running at full power, transfer must be done. Speeds are seriously amazing.

Shockley - May 24, 2015, 9:16 am

Hey Omni, maybe with these new servers you'll accept [my suggestion](#) now, huh? ;)

?

Dean Winchester? - May 24, 2015, 4:12 pm

will we have a mobile-friendly theme @m.hackforums.net, different from the current theme?

Business - May 24, 2015, 5:18 pm

Site seems to be running as good as ever, thanks for your hard work.

Narvikz - May 24, 2015, 5:27 pm

Awesome job Omniscent. Looking forward for the notifications, that would be awesome.

Double A - May 24, 2015, 6:11 pm

I have been using hf a lot less than when i first started but even I am hype about this update! I am looking forward to the changes and great job with the recent updates. Best forum owner, even a competing forum has recognized you as a great person to be running a community. Hope nothing bad happens during the transfer like data loss or corrupted files D: and I really REALLY hope you do

implement the notification features. I like the current email system as well but notifications are much more convenient

Krew - May 25, 2015, 5:17 am

9 out of 10 page loads is now a whitescreen for me...

Serpius - May 25, 2015, 6:08 am

(May 25, 2015 05:17 AM)Krew Wrote: [\[CITE\]](#) 9 out of 10 page loads is now a whitescreen for me... Krew,

Yea, same here.

HF seems to be running slow as molasses this morning.

Not sure if it's server related or internet related or both.

(F.Y.I., my broadband test using Speedtest.net is running at 47.5 Mbps [which is almost the max of my internet plan], so, the issue is not on my side)

Serpius

You can find answers to your computer questions by doing an internet search. Go to www.google.com! Try it!

??

Korzh - May 25, 2015, 6:23 am

(May 25, 2015 06:08 AM)Serpius Wrote: [\[CITE\]](#) Krew,

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Serpius

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??

Same here. I need to clear the cache just to get the page to load.

Warren Buffett - May 25, 2015, 6:26 am

This sounds like good stuff. Good luck!

omgwteff - May 25, 2015, 11:33 am

Any reason of using Apache? Why not litespeed with either varnish or litespeed cache? It is much better in countering http ddos attacks.

'An0ny - May 25, 2015, 12:35 pm

(May 25, 2015 11:33 AM)omgwteff Wrote: [\[CITE\]](#) Any reason of using Apache? Why not litespeed

with either varnish or litespeed cache? It is much better in countering http ddos attacks.

Fuck litespeed, why would he pay for something that can be found free and better.. such as NGINX?

He were using apache for hes custom modules and customization from my knowledge.

-- Other than that. I've also got tons of white pages today, never got it before but today I've had serious issues. I attempted to clear cache, cookies etc.

Blazin - *May 25, 2015, 12:56 pm*

Guess I'm one of the only ones who never had problems with the site today.

Hash G. - *May 25, 2015, 3:22 pm*

That's really good news, thanks for all your dedication !