

13:08:29 From Tony Brook : Might be getting ahead of myself, but is this on-campus or is it something we have hosted / collocated?

13:08:40 From Charles Edamala (CIO, Illinois State) : For a moment I thought Tim was saying we are stringing a bunch of laptops together. We paid a bit more than what we'd pay for laptops!

13:08:45 From Colten Keeling : 100TB storage - you can almost install Call of Duty

13:08:57 From Kevin Selinger : on campus in JH DC

13:08:58 From Charles Edamala (CIO, Illinois State) : On-campus, Tony

13:09:06 From Matt Caplan : 1 GPU per node?

13:09:07 From Tony Brook : That is AWESOME. I so wanna see someday. :D

13:09:33 From Nathan Stien : how much did the air conditioning bill change when you turned this beastly on

13:09:55 From Ben Rappleyea : So far they have just opened the windows...

13:10:01 From Charles Edamala (CIO, Illinois State) : You offering to pay, Nathan? Thank you, the university thanks you

13:10:37 From Matt Lindstrom : I see a great bitcoin-mining system

13:10:40 From Nathan Stien : Perhaps in the winter these servers could replace the boilers in the steam plant

13:10:50 From Zach Weber : Wasn't enough electricity for A/C, so it was a cost savings on cooling.

13:11:06 From Matt Lindstrom : Do we know hashes per second for those Nvidia processors?

13:11:14 From Craig Jackson : Nice part is, the JH data center cooling project from two years ago is working just fine.

13:11:29 From Craig Jackson : Nathan, we are NOT moving OpenShift to the HPC.

13:11:33 From Charles Edamala (CIO, Illinois State) : Ssh, he wants to pay, Craig

13:11:45 From Nathan Stien : @Charlie i found a quarter in my couch cushions i can chip in to the climate control fund

13:11:45 From Craig Jackson : If he's willing to pay....then that's different

13:11:48 From Victoria Bush : Channeling Tim Taylor: "More power."

13:11:58 From Zach Weber : will it run doom?

13:12:04 From Matt Caplan : Again: 1 GPU per node?

13:12:06 From Matt Lindstrom : Everything runs Doom.

13:12:39 From Nathan Stien : @Craig you joke re: openshift but I am genuinely curious about the compute management software stack here

13:12:44 From Matt Caplan : Got it.

13:12:51 From Justin Dittburner : The better question is, how many Doooms can it run?

13:13:06 From Liam Nance-Carroll : <https://www.nvidia.com/en-us/data-center/v100/>

13:13:12 From Tony Brook : It's important to note that "GPUs" are just really advanced math calculators / specialized chips. That's why they are used a lot for complex number crunching.

13:13:15 From Christopher Johnson : Tim was a good sport when I asked him where the stack of DVD Drives was for the cluster while they were getting it all setup. ;-) (I was in the dat-center at the time and I had to upgrade one of our appliances and frustratingly required a DVD Burned disk instead of my imaged USB Drive).

13:14:28 From Nathan Stien : I saw MPI in those terminal logs. I worked with MPI (and submitted a bugfix patch to PyMPI) on the Beowulf cluster at my undergrad (Bradley University)

13:14:43 From Jamie Mcgregor Johnston : I'll be demoing some mai stuff in a bit

13:14:47 From Jamie Mcgregor Johnston : mpi*

13:15:47 From Paul Unsbee : It can run 1.21 GigaCarmacks (or 1,210 MegaRomero's) per second I hear.

13:16:19 From Nathan Stien : my biggest and most fun Beowulf application was a system for using evolutionary algorithms to design electronic circuits

13:16:30 From Matt Caplan : My code's CUDA accelerated. So yeah. Choo choo, all aboard the hype train.

13:17:39 From Victoria Bush : I might have something that could use this, but I would want to have a Mathematica kernel loaded.

13:17:44 From Timothy Walsh : that's GREAT to hear!

13:18:08 From Timothy Walsh : we can do that. I haven't looked into the mathmatica module.

13:18:35 From Liam Nance-Carroll : what about code base in STATA?

13:20:53 From Ben Rappleyea : Well that was fast...

13:21:55 From Matt Caplan : Dead hard drive brings up another question- what sort of backups/remote storage exist? What happens if Julian gets struck by lightning?

13:22:04 From Nathan Stien : it looks like Bright Cluster Manager recently got support for some kind of OpenShift integration @Criag :-)

13:22:39 From Matt Lindstrom : +1 Futurama reference

13:22:44 From Shantira Norris : lol!

13:22:44 From Nathan Stien : also Jupyter Notebook -- an excellent way to do scientific computing IMO

13:22:57 From Nathan Stien : *Jupyter

13:23:05 From Jamie Mcgregor Johnston : I believe Jupyter is coming in the next version of bright!

13:23:07 From Craig Jackson : Dr Caplan, we have a backup system outside of JH and STV for data protection.

13:23:41 From Nathan Stien : <https://jupyter.org/> i have used since it was called "IPython"

13:23:44 From Matt Caplan : Thanks Craig, I'm sure I'll ask you more questions about that next time we're on a call.

13:24:19 From Craig Jackson : Please do!

13:24:30 From Charles Edamala (CIO, Illinois State) : @Matt, offering to pay for that? This has become a great place to raise funds... Seriously, that's a question that should be settled at some point. I know our regular systems have DR plans like Craig said. But the amount and type of data may not lend itself to those modes

13:29:45 From Bill Hamann : true that!

13:30:13 From Liam Nance-Carroll : the demo gods are never kind

13:30:47 From Amy Lou Cassels : Its not an IT training without IT problems.

13:30:58 From Matthew Gromer : Tradition, is what it is.

13:30:59 From Tony Brook : I wouldn't know.... *grumble*

13:31:32 From Kevin McCrone : Wow!

13:32:20 From Ben Wyman : I agree NO!

13:32:24 From Paul Unsbee : Feels like physics departments should be jumping into this big time!

13:32:29 From Tony Brook : Are there any concerns with isolation and/or resource sharing? I know you said it was centrally managed, but I would be worried about competing workloads.

13:32:47 From Tony Brook : (I remember some issues with security/authentication from a presentation I got a few years ago at the Internet2 Tech Exchange)

13:32:55 From Charles Edamala (CIO, Illinois State) : My dream is that the English department will collaborate with the Bio math department

13:33:00 From Nathan Stien : I have no legitimate use for this but it looks super fun

13:33:10 From Seth Pheasant : I'll submit my request to crack some hashes.

13:33:14 From Justin Dittburner : Cool stuff!

13:33:43 From Charles Edamala (CIO, Illinois State) : Look at Seth's set up!

13:33:49 From Shantira Norris : Yes for the goose game

13:33:49 From Paul Unsbee : Is this version of Seth's video feed being simulated in real time on the HPC?

13:33:51 From Matthew Gromer : @Tony, I'll get that question to them.

13:34:09 From Jamie Mcgregor Johnston : Thanks for your time and attention everyone, it's very much appreciated!

13:34:18 From Charles Edamala (CIO, Illinois State) : Is that really Seth or a HPC simulation?

13:34:25 From Paul Unsbee : Very cool stuff Jamie!

13:34:47 From Charles Edamala (CIO, Illinois State) : Yes, great work Jamie and Tim!

13:37:08 From Timothy Walsh : Thanks! I'm super excited about this.

13:38:39 From Timothy Walsh : @Tony. There are controls for who gets what resources. We will not be putting those in place until we start to see some contention on the cluster.
The cluster is AD auth'ed.

13:41:13 From Charles Edamala (CIO, Illinois State) : The list of controls are not in order of priority, are they? Or are an indication of maturity progression?

13:42:15 From Timothy Walsh : so which IG are we considered?

13:44:19 From Bill Hamann : nice!

13:47:50 From Liam Nance-Carroll : GPOs not working, that never happens.....

13:48:06 From Dan Taube : ☺_☺

13:48:24 From Charles Edamala (CIO, Illinois State) : Asking for friends, literally: will we have a say in the compliance standards if we have an interest? Also, will we get reasonable deadlines?

Because compliance is a four-letter word right now

13:50:51 From Charles Edamala (CIO, Illinois State) : Thanks!

13:51:01 From Craig Jackson : Red Hat Academy is coming (Purchasing is waiting on a response from RH).

13:51:05 From Adam Listek : Is it fair to say that the released standards should be done by the next audit?

13:51:54 From Dan Taube : RE: Audit - Those will always be called out uniquely and separately as part of corrective action to findings. Communication is key, but you can expect clarity on that front specifically.

13:53:40 From Tony Brook : It's a 4 letter word as well right now, but keep an eye on the corner of your eye about Solarwinds Network Configuration Monitor and Server Configuration Monitor. They are parts of the Orion suite we don't have now that specifically checks to make sure things are in compliance. There's also a User Device Manager that extends that to workstations. Just.. you know, a distant thought. :)

13:55:32 From Kevin McCrone : Will the Config Baseline and Configuration Item PowerShell scripts rely on the ConfigMgr bypass setting of PowerShell script signing and does that affect non-MECM run PowerShell script control?

13:58:41 From Paul Unsbee : This is a very impressive and thought-out approach to creating, documenting, testing, and making available controls to deploy. Very well done.

13:59:06 From Charles Edamala (CIO, Illinois State) : yes, great presentation

13:59:17 From Rosie Hauck : Very informative... thanks!

13:59:20 From Eric Grab : Thanks folks.

13:59:20 From Bill Hamann : Thanks!

13:59:23 From Tony Brook : Very nice, thank you!