

Agenda

- Higher education's superpower
- Identify a need
- Building the community
- Keeping it together
- Healthy growth



Introductions



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Cornell University



INTERNET2 2023 COMMUNITY EXCHANGE



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Deputy CIO and Interim CISO

University of Maryland –

Baltimore County





Bob Flynn
PM, Cloud Infrastructure
and Platform Services
Internet2



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What would you like to get out of this conversation

(i) Start presenting to display the poll results on this slide.



8

8	Anonymous
	Better understanding of the cloud practice in Higher Educatio

Anonymous
Learn about and share cloud migration strategies

Anonymous
Collaboration to push vendors for solutions for higher Ed.

Anonymous
Multicloud challenges

Anonymous
I want to know where Damian spends all his time

Anonymous Ming

Anonymous

How to add a better in person experience to the vibrant virtual communities I help with.

Anonymous
As a part of the community I'd like to know how we got to where we are today.

Anonymous
Better understanding

Edit

Community and collaboration are our superpowers

- ★ It sets the higher ed IT community apart
- ★ It is in our DNA
- ★ Build on our common goals
- ★ Do together what can't be done individually







Identify a Need



May 8-11, 2023

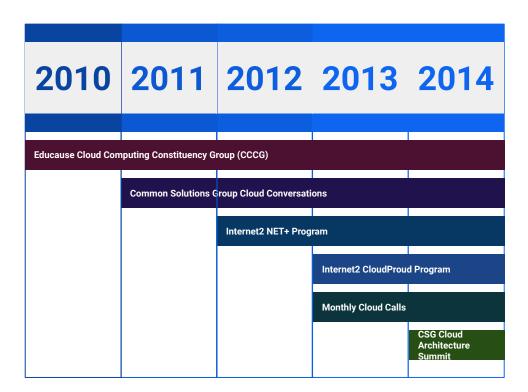
Atlanta, GA



2010 - 2014

- Hyper-scale computing was just emerging
- Disparate conversations started as people recognized the need
- Small working groups sprung up

 collaborating on product
 implementation, evaluation of services, white papers
- Narrowly focussed conversations on specific products (i.e. Box) or product areas (i.e. Collaboration Tools)







2010 - 2014



Structuring the IT Organization for Cloud Services

Beth Schaefer, University of Wisconsin–Milwaukee Melissa Woo, University of Wisconsin–Milwaukee What Campus Leaders Need to Know
About Cloud Computing

An EDUCAUSE Executive Briefing





THINGS YOU SHOULD KNOW ABOUT...TM
ORGANIZING FILES
IN THE CLOUD

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Where would you like to build community?

① Start presenting to display the poll results on this slide.



Secure research using cloud With regional networks Young professionals Virtualization Research compute nodes

Building the community



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Cloud Forum 2015

Why did we start the Cloud Forum?

Making the case for cloud requires a shift from opex to capex. Most cloud discussions were technical discussions. There needed to be a higher level, how to make the case for cloud discussion.

Who did we reach out to?

RUCC, CSG, other known cloud groups

Guiding Principles

- small enough to have open discussions
- vendors are there to learn not sell
- opportunity to showcase cool cloud research

2015 - 2019

- Increasing collaboration on white papers and working groups
- Small workshops focussed on architecture and technology
- Beginnings of larger efforts and events as individuals begin to address gaps and broaden the reach of existing conversations
- Leveraging existing venues and creating new ones











An Introdu

ECAR Wo

Preparing the IT Organization for the Cloud

FCAR

Cloud

Networking

Research Computing in the Cloud

Functional Considerations for Research

ECAR Working Group Paper | July 15, 2015





CLOUD STRATEGY FOR HIGHER EDUCATION

Building a Common Solution

November 2014

ECAR Worki







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What conversations are taking place, and who is active in them?

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- Anonymous
 - Conversations like how machine learning and AI bots can be implemented for a university use case, few management positions and students primarily.
- Anonymous AWS Higher Ed CIO group
- Anonymous Monthly virtual call for the commtech group, every other month call jointly between netman and wireless. Also mailing list and slacks for each. Plus a session at EDUCAUSE and, historically a preconference day jointly.
- Anonymous List serv Established professionals

Keeping it together



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2020 to Present (and Future)

- So many things happening... Then...
 The Pandemic
- Started converting events from immersive in person to spread out focused workshops.
- First test: Networking Workshops
- The result: It was a huge success!

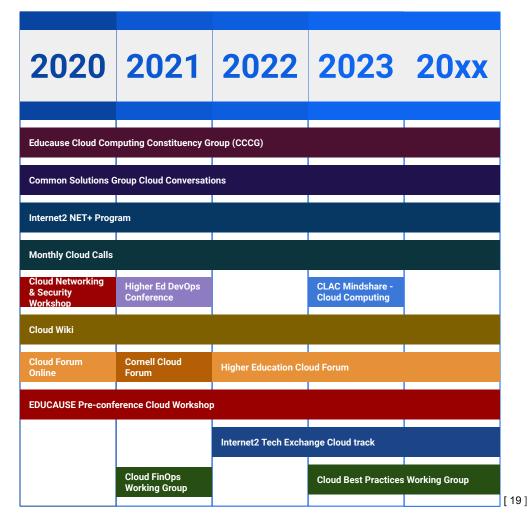
But....

Now everything looks the same, virtual this, monthly that....

How do we make ----->
all this make sense

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Building a cohesive experience

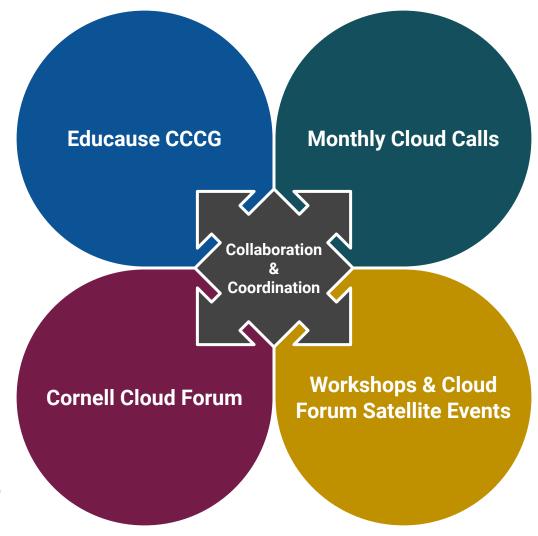
Re-imaged Cloud Forum as year long event.

- CCCG role:
 - Umbrella for communications
 - Advertisement/amplification
- Internet2:
 - Calendar of Cloud events
 - Wiki/landing page
 - Zoom rooms/support

Result:

- Brought in new voices
- Attendance tripled, no physical limits on space/travel
- Put conversations and topics into a broader context

Most importantly - making it all work as one big community effort



2020 to Present

Cloud FinOps Top Tips

A Higher Ed Community Discussion







Cloud Forum 2020 – reformulated



CLOUD COMPUTING

A CLAC Mindshare Event - Davidson College - April 24-26, 2023



THAT'S A WRAP!

Thank you to all of you! The <u>resources page</u> is updated with many links to resources developed and mentioned during the mindshare event

Please keep the conversations going with the folks you met! See you next time.

~Nick

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What can you do and who can you recruit to join you in building you community?

(i) Start presenting to display the poll results on this slide.



What specific steps are you going to take going forward to build your community? 2

- Anonymous
 https://tinyurl.com/edu-cloud-community
- Anonymous

 Nag Bob for an I2 contact to figure an in person option at techex

Healthy growth



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Evaluating post-pandemic community and events

- Being intentional about finding and cultivating new voices
- Turnover in both people and schools healthy and natural
- All new planning committees but with role consistency
 - e.g. Internet 2 Cloud Track, CCCG
 Co-chairs managed first one, using similar roles as with cloud forum
- Cross CG talks
 - Research CG, Small School CG, DevOps CG





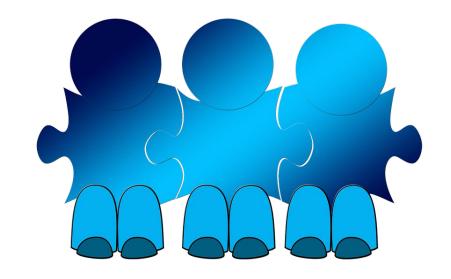
Narrowing and expanding conversations

Critical mass allows you to address specific issues:

- FinOps working group
- Best practices working group

A strong base allows you to expand the tent:

- Networking workshop at '21 Cloud Forum brought the vendors into the conversation on our terms
- CLAC Mindshare on Cloud







Community and collaboration are our superpowers

- ★ The power is there to use to benefit your colleagues and institution
- ★ It only takes one person to step up and get things going
- ★ With great power comes great responsibility (and great things will follow)







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What specific steps are you going to take going forward to build your community?

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o Anonymous

Offer to be a co presenter to help those uncomfortable with presenting to get them on the stage

Anonymous

Connect with Cloud users and operators around campuses, learn about what they are interested in and doing with cloud.

- Anonymous

 Getting leadership to Cloud Forum including research IT, and getting technical folk to TechEx.
- Anonymous
 Encourage additions to the budget for learning opportunities framed around building the next generation of professionals. Allocate team time to present and engage in communities.
- Anonymous
 Better organize internally to help build out community
- Anonymous
 Leveraging our vendor friends for who they think we should reach out to to talk. Sometimes they know about something interesting another institution is doing that the community facilitators don't.
- Anonymous
 Need to get the security team better involved.
- Anonymous
 Share event info with my network

Thank you

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