Welcome to the NET+ Amazon Web Services (AWS) wiki.

Many Internet2 member and non-member institutions take advantage of this service offering. If your institution is one of them then this wiki will provide details on how to make the most of your participation of the programming and interact with peers across Internet2 member institutions.

This program is open to all higher education, affiliate and federal affiliate members as well as non-member higher education institutions. If you are looking details on how to join the program, please visit the Sign Up Tab of the NET+ AWS webpage.

You can also find out more about the Internet2 Cloud Connect offering for AWS Direct Connect.

Service Documentation and Resources

Accessibility:

• Voluntary Product Accessibility Template® (VPAT)

Identity:

• NET+ AWS Portal Identity Guidance - For end user self service AWS account requests
• InCommon-enabled Group to role mapping for AWS Accounts

Information Security:

• Cloud Controls Matrix - please email cloud@dlit.com
• Higher Education Cloud Vendor Assessment Tool (HECVAT) - pending

Contract and Pricing:

• NET+ AWS Enterprise Customer Agreement - please email cloud@dlit.com
• NET+ Infrastructure and Platform Services (IPS) Program Participation Agreement and Schedule - pre-req for subscribing to NET+ AWS

FAQs and Instructions:

• NET+ AWS Frequently Asked Questions
• NET+ AWS NIH STRIDES Initiative Frequently Asked Questions
• Requesting an NIH STRIDES account through DLT

Community Resources

Participate in our Community Conversation (Subscribers Only):

Institutions participating in the NET+ AWS program may take advantage of our email discussion list to receive curated program updates and participate in other activities and events.

We host a series of regular events for program subscribers. For 2022 they include:

• Bi-weekly NET+ AWS Technology Share calls where campus cloud enablement professionals, cloud engineers and developers, meet to discuss their challenges, share lessons learned and collaborate to find the best answers for their institutions’ AWS deployment. AWS solutions architects and DLT support engineers regularly attend and participate.
• Quarterly NET+ AWS Subscriber Calls (Feb, May, Aug, Nov) are home to strategic and directional conversations. The intended audience is cloud and infrastructure leadership, but anyone working on your AWS team is welcome to attend. Twice annually we invite AWS EDU leadership to join us and encourage campus infrastructure and IT leadership to join.
• Quarterly NET+ AWS Tech Jams (Mar, Jun, Sep, Dec) bring together a couple of subscriber schools working on a specific issue with related technical experts from AWS to talk through the challenge and related choices. The rest of us watch and learn, tossing in our own questions as well. Example topics are building compliant environments, enforcing policies for FinOps best practices, etc. The December Jam is devoted to a rapid-fire recap of the announcements coming out of the annual AWS re:Invent conference that are most relevant to the NET+ subscriber community.
• Quarterly NET+ AWS Town Halls welcome experts from AWS to present targeted topics to the community. Past Town Halls covered Ransomware, AWS Academy and Research Support Tools. We encourage subscribers to suggest topics we can work with AWS to bring to us.

Please contact netplus@internet2.edu to be added to any of these conversations.

Join the AWS Community Forum (Open to all community members):

NET+ AWS Service Advisory Board (SAB)

Membership

• Rick Rhoades, Penn State University, Chair
• Cornelia Bailey, University of Chicago
• Shlomo Balass, Carnegie Mellon University
• Asbed Bedrossian, Member Emeritus
• Damian Doyle, University of Maryland Baltimore County
• Jeff Gumpf, Case Western Reserve University
• Jay Hartley, Massachusetts Institute of Technology
• Jim Jokl, University of Virginia
• Scott Kinner, University of Notre Dame
• David Lacey, J. Paul Getty Trust
• Gerard Shockey, Boston University
• Jim Thomas, Indiana University

To Contact the Service Advisory Board

• Email: aws-campus-advisory@internet2.edu

NET+ AWS Advisory Board Goals

• 2020 Goals

Questions?

• Internet2 NET+ Service Management netplus@internet2.edu
• DLT Customer Team cloud@dlit.com
• DLT Ops Team
• Internet2 Program Manager: Bob Flynn bflynn@internet2.edu

Send Feedback or Submit a Feature Request:

The NET+ AWS program is managed by an Internet2 program manager with the support of the NET+ AWS Service Advisory Board.

The NET+ AWS Service Advisory Board reviews and priorities community feature requests on a periodic basis. Feature requests may be submitted to netplus@internet2.edu.
Users of AWS are encouraged to join the AWS Community Channel in the Educause Cloud Computing Community Group Slack. See the Higher Ed Cloud Community page for instructions to join.

Collaborate on the Cloud Wiki:

Speaking of community, did you know about the Cloud Wiki? This was created specifically for YOU, members of the higher education community to collaborate with each other. Log in to see a Cloud Job descriptions page and contribute your knowledge!

Contribute Code:

Looking to share your latest Terraform config? Add it to the Cloud Wiki Helpful GitHub Repos list or email sjeanes@internet2.edu to request access and create a repo in the Community Cloud Config GitHub organization.

Key Program Updates

Subscribers may review our mailing list archives for monthly program and AWS updates.

NET+ AWS Quarterly Town Hall - Transform Genomic and Biological Data Into insights with AWS Omics is now available

Sean O’Brien (internet2.edu) posted on Feb 15, 2023

Lee Pang, Principal Solutions Architect, Health AI at AWS presented at our quarterly NET+ AWS Town Hall on AWS Omics. NET+ AWS Town Halls are typically a subscriber benefit, but periodically we open the Town Halls up to share interesting topics.

Amazon Omics helps healthcare and life science organizations and their software partners store, query, and analyze genomic, transcriptomic, and other omics data and then generate insights from that data to improve health and advance scientific discoveries.

In this session, you can learn how Amazon Omics provides scalable workflows and integrated tools for preparing and analyzing omics data and automatically provisions and scales the underlying infrastructure so that you can spend more time on research and innovation. Amazon Omics supports large-scale analysis and collaborative research.

This session is for research decision-makers, researchers, and RCD team members who want to learn how Amazon Omics can accelerate research, support large-scale analysis, and generate insights to improve health and advance scientific discoveries.

The slides and recording are available below.

**Slides:**

Transform Genomic and Biological Data Into insights with AWS Omics

**Recording:**

Transform Genomic and Biological Data Into insights with AWS Omics
If you’re up for an engrossing, wild ride that’s crazy fun, then you’re ready for AWS GameDay.

Internet2 NET+, together with AWS, DLT, and Cloud Academy, are bringing AWS GameDay to the 2023 Community Exchange and Cloud Forum in Atlanta, GA.

What is AWS GameDay?

A “collaborative learning exercise that tests skills in implementing AWS solutions to solve real-world problems in a gamified, risk-free environment.”

How do you play?

- Recruit your own team (preferred) or show up and join one onsite.
- Compete against the game and against other teams for glory and prizes.
- Walk away with sharper AWS skills and a story to tell.

Highlights:

<table>
<thead>
<tr>
<th>First Place</th>
<th>Second Place</th>
<th>Third Place</th>
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<tbody>
<tr>
<td>B Squad</td>
<td>Keystone Cloud Crushers</td>
<td>Active Cumulus</td>
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GameDay Details:

<table>
<thead>
<tr>
<th>When</th>
<th>Friday, May 12, 2023, 8 a.m. – 3 p.m.</th>
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<tbody>
<tr>
<td>Where</td>
<td>The Westin Peachtree Plaza</td>
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<tr>
<td>Cost</td>
<td>Free of charge, thanks to our sponsors TD Synnex Public Sector/DLT and Cloud Academy</td>
</tr>
</tbody>
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The Game: We are running the Infinidash Ride-Hailing GameDay:

The Infinidash Ride-Hailing GameDay requires participants to make technical and (light) business decisions to win. This means while teams need technical skills to complete, fix and improve Infinidash’s infrastructure, some business acumen will come in handy to decide on how to set up and assign their unicorn fleet.

Teams of 3-4 will run an imaginary company that rents mythical creatures. Your task will be to manage the company’s infrastructure as the market reacts to your exciting new business.

The Players: Bring your whole team, or a partial team, or come prepared to join a team at the event. Registration information is below.
What's Included

- Breakfast and lunch, as well as beverages and snacks throughout the day, will be served close at hand so that you can keep an eye on your virtual company at all times.
- AWS Solutions Architects will be onsite to facilitate the game and cheer you on.
- A month of access to the Cloud Academy training library with a learning path specifically crafted to help participants shore up skills you'll be using to run your company's AWS infrastructure on the day of the event. In the month prior to the GameDay event, we will hold kick-off sessions to walk you through the materials. The event will be recorded for those who are unable to attend live.
- AWS swag and prizes

Skills Used
(all included in the Cloud Academy learning path)

- Amazon Fraud Detector
- Amazon DynamoDB
- AWS IoT Core
- AWS Step Functions
- AWS Lambda
- AWS AppConfig
- AWS CodePipeline
- Amazon Route 53
- Amazon EC2
- Amazon Elastic Load Balancer
- Familiarity with the AWS Well-Architected Framework advised

GameDay Registration & Preparation:

<table>
<thead>
<tr>
<th>Step 1</th>
<th>Step 2</th>
<th>Step 3</th>
</tr>
</thead>
<tbody>
<tr>
<td>Register</td>
<td>Complete Team Roster</td>
<td>Access Prep Work</td>
</tr>
<tr>
<td>Register for GameDay through the Community Exchange Registration or the Cloud Forum Registration. All registrants will receive two email messages from the Internet2 registration system. 1. The first will be a receipt for your event registration. 2. The second will be a request to confirm your registration via our identity and access management system. Please read and follow the instructions in both emails.</td>
<td>Once we have confirmed your registration, we will send you to a form where you can enter your team roster. You will indicate whether you have a full or partial team or if you will be looking to pick up with a team on-site.</td>
<td>You will receive an email invitation from Cloud Academy to set up an account to access GameDay preparation materials. Cloud Academy orientation sessions will take place on Thursday, April 6 at 2pm EDT. This will be recorded for those who cannot attend during the times provided.</td>
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Questions or Concerns:

Please contact Bob Flynn, Internet2 Program Manager, Cloud Infrastructure & Platform Services, at bflyn n@internet2.edu.

GameDay Sponsors:
Internet2 and the higher education cloud community are grateful to our sponsors AWS, TD Synnex Public Sector/DLT, and Cloud Academy for their generous support of this event.