



AWS Special Interest Group

PRESENTED BY: Internet2 AWS Advisory Board

PRESENTATION TITLE

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Internet2 AWS Advisory Board

- University of Chicago - Oren Sreebny (Chair)
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 - University of Illinois - Tony Rimovsky
-
- Staff: Chris Goodson (AWS), Sara Jeanes (Internet2), Jason Quinn and Seth Anderson (DLT)

Topics

- The AWS Global Data Egress Waiver
- NET+ AWS
- Internet2 Cloud Connect
- Grants and Credits Flow
- Discussion

AWS Global Data Egress Waiver - Overview

- The AWS Global Data Egress Waiver:
 - Reduces charges for data egress destined for an eligible academic or research institution up to 15% of a AWS payer account's total monthly spend.
- Example: University of Chicago
 - Account contains the most used University web properties
 - \$3,761 (pre-discounted) in usage charges for April 2018
 - Waive data transfer of 1.4 Tb would have been \$28.81, or 0.076% of total spend
- Should the institution exceed 15% egress, it will be charged at the standard peering egress or AWS Direct Connect egress pricing rate.
- For typical usages, AWS EC2 compute makes up the vast majority of charges on a payer account in aggregate, offsetting most or all egress charges.

AWS Global Data Egress Waiver - Eligibility

1. Are subscribers to:
 - a. the NET+ AWS program; or
 - b. register separately for the AWS Global Data Egress Waiver Program by contacting their AWS Account Manager

2. Connect to AWS via:
 - a. Internet2 Cloud Exchange (formerly TR-CPS/R&E)
 - b. Internet2 Cloud Connect for AWS Direct Connect; or
 - c. an Internet2 Regional Network Connector

3. Provision AWS accounts under the registered institutional AWS payer account

NET+ AWS

NET+ AWS is a community managed framework for acquiring and using AWS It addresses a number of the common hurdles to running AWS including:

1. A framework for managing chargebacks, credits and grants, invoices, and purchases orders including NSF's BIGDATA program
2. An account provisioning workflow
3. A community negotiated customer agreement including a business associates agreement (BAA) for HIPAA workloads
4. Easy access to training and professional services through the same contractual vehicle
5. An ITAR-compliant support desk
6. A community advisory board to steward the program

Updates for NET+ AWS Subscribers

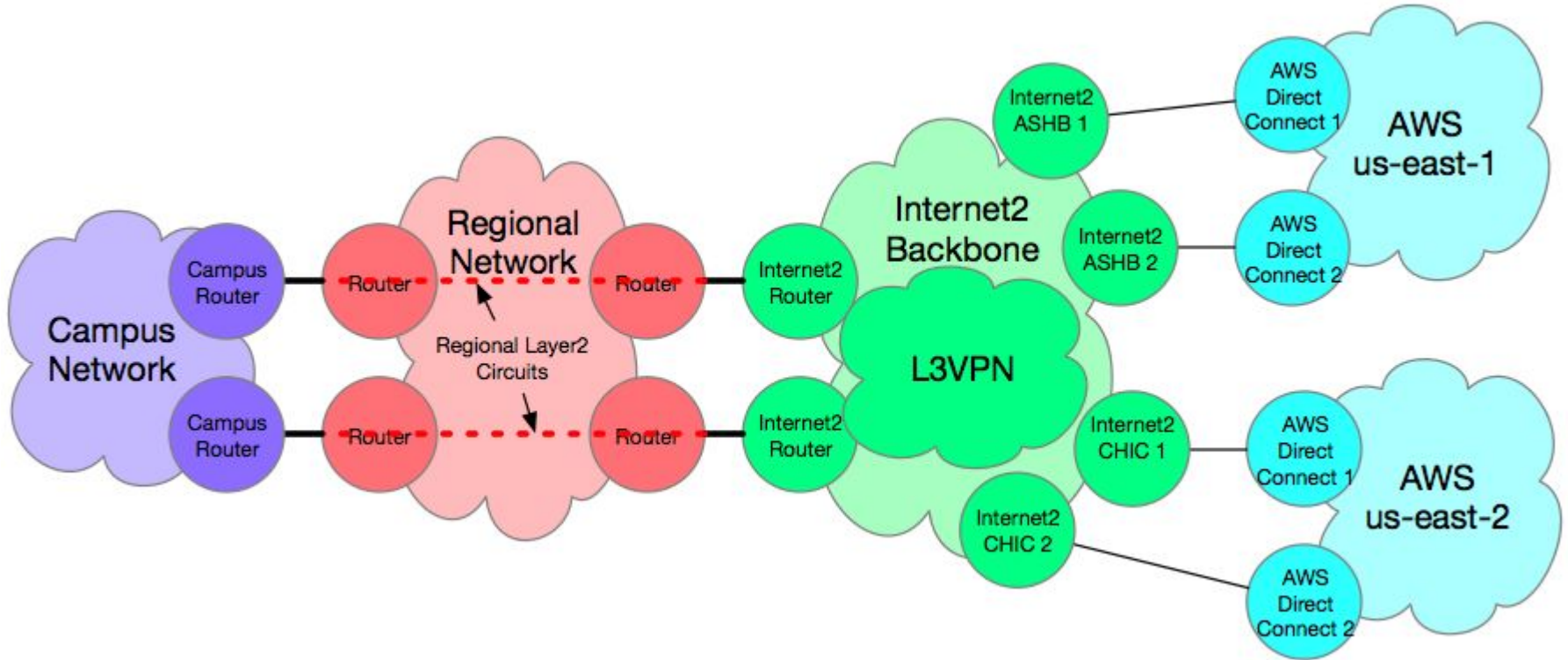
- AWS Organizations Feasibility Study
 -
- New Cost Management System
 -

Internet2 Cloud Connect (for AWS Direct Connect) - Overview

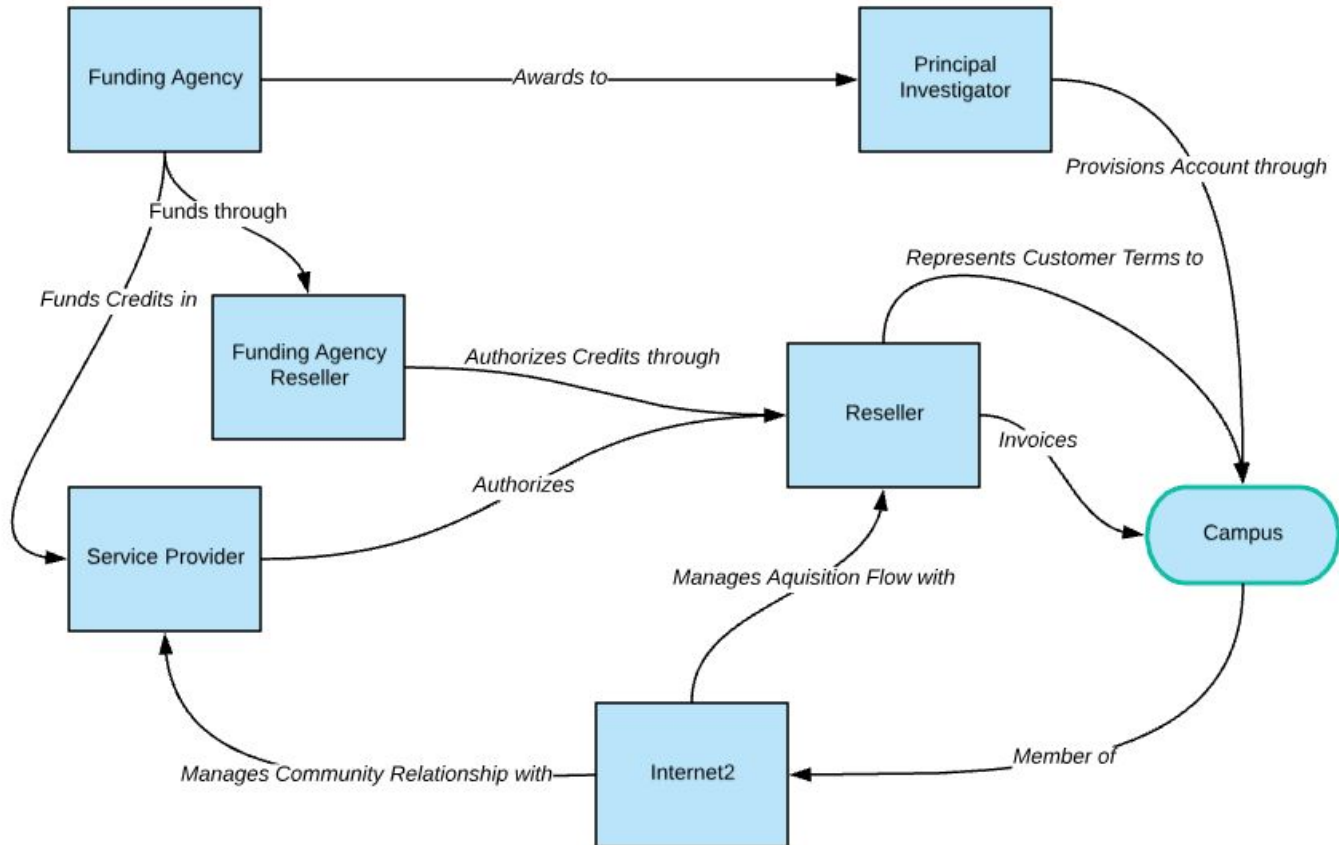
3 Flavors


1. Hosted Connection
2. Hosted VIF
3. Layer 2 AWS Direct Connect over the Internet2 Network

Internet2 Cloud Connect (for AWS Direct Connect) - Under the Hood



Federal Cloud Grants and Credits Flow





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