Exclusive Google Cloud Platform Benefits for Internet2 NET+ Agreement Institutions

Getting Started with GCP Onboarding Package

In 2019, the first year of our Internet2 NET+ GCP offering, we grew our community to more than 20 institutions benefitting from our NET+ contract.

Based on feedback from our early adopter Internet2 community on the onboarding process, Google is investing in exclusive onboarding services for all new Internet2 NET+ customers in 2020. This package will be available for all schools who sign the NET+ terms while our limited funding lasts.

These benefits are an add-on to the core terms available in the contract, including institutional discount, egress waiver, and more. Learn more about these NET+ benefits here.

✓ The full package is valued at over $40,000 in investment from Google.
✓ Eligible schools must have signed the Internet2 NET+ GCP contract.
✓ Funding for the 2020 offer package is limited; the package will be available only while funding lasts.
✓ All of the offers are included at no cost to the customer.
✓ All customers receive both offer 1 and offer 2.
✓ Customers should then select EITHER offer 3 or offer 4 to complete their onboarding package.
✓ To be eligible for offer 3 or offer 4, customers must demonstrate commitment to at least $15,000 of GCP spend within 12 months of signing the Internet2 agreement.

1. Comprehensive GCP Training:

A full day of GCP training includes presentations, demonstrations and hands-on labs for the course options below. We require that each training day have at least 25 in-person attendees. This cost will be fully covered by Google.

- **Google Cloud Fundamentals**: Getting Started with GCP, VMs & Networking in the Cloud, Storage in the Cloud, Containers in the Cloud, Applications in the Cloud; or
- **Google Cloud Big Data & Machine Learning**: Intro to GCP, Compute & Storage Fundamentals, Data Analytics in the Cloud, Scaling Data Analysis, Data Processing Architectures
All customers are eligible to take advantage of this offer.

2. Role-based support and services for GCP:

Receive GCP credits back for the equivalent value of up to 2 users’ 6-month role-based support costs. This offer is applicable to Development or Production level role-based support (up to $250/month value). Enterprise support is not eligible.

All customers are eligible to take advantage of this offer.

3. Comprehensive GCP Partner Onboarding:

Over the course of one week, your chosen partner will guide your team through getting started with GCP - with the recommended scope of deliverables outlined below. The programming will be a mix of in-person and virtual hands-on work, and when the week is up, your team will be fully prepared to manage GCP.

To take advantage of our Comprehensive GCP Partner Onboarding, customers must demonstrate a commitment to at least $15,000 in GCP spend within 12 months of signing the Internet2 agreement. Your chosen partner will work with you on a ramping plan.

Available through Google Partners Burwood, SADA, and Onix, this offering includes all of the below:

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<tr>
<th>Cloud Discovery (Architecture Review)</th>
<th>• Understand current cloud deployment(s)</th>
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<tr>
<td>Directory Synchronization</td>
<td>• Identify SSO requirements</td>
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<td></td>
<td>• Determine if Cloud Identity is needed</td>
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<td></td>
<td>• Identify users and groups to be synced</td>
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<td></td>
<td>• Develop on-prem directory sync methodology</td>
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<td>• Implement on-prem directory sync methodology</td>
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<td>• Sync POSIX Fields into Directory (if needed)</td>
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<td>Organization Set-up</td>
<td>• Work with Central IT to define organization administrators and groups (i.e. Research IT)</td>
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<td>• Create or re-use org administrator group for assigning roles at org level</td>
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<td>• Review organizational policy constraints with Central IT</td>
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<td></td>
<td>• Apply organizational policy constraints</td>
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<td>• RBS admin / user onboard for support ticketing ($500/month credits)</td>
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| Access Management (IAM) | ● Create Folders  
● Work with Central IT to define folder admins and groups  
● Create groups and roles for folder admins  
● Apply roles to folders |
|------------------------|------------------------------------------------------------------|
| Security               | ● Enable Cloud Security Command Center (Enable integrations such as Cloud Armor, Event Threat Detection, Forsetti, etc)  
● Configure StackDriver log forwarding for SIEM  
● Review CSCC findings  
● Recommend and implement changes as appropriate |
| Cloud Networking Design| ● Are there Hybrid Cloud Networking requirements? (Avoid overlaps)  
● Discovery  
● Design & Recommendations |
| Billing design and implementation for I2 | ● Workshops  
● Implementation (Creation billing accounts, quota planning, labelling for reporting, alerts, BigQuery export, Invoicing) |

## 4. Researcher support for GCP

Your institution can receive 40 research consultation hours to support your researchers in getting started with GCP. In addition to $5,000+ in available research credits, gain access to technical subject matter experts on Google Cloud Platform through a certified Google partner, who can consult on set-up, execution, and/or any skill building necessary to accomplish your project goals.

Available through Google Partners Burwood, Onix, and SADA. **To be eligible for the Researcher Support offering, the overall institution must demonstrate a commitment of at least $15,000 in GCP spend (after credits consumption), which can include multiple researcher workloads.** Your chosen partner will work with you to outline a ramping plan.

The team at your university managing research computing or cloud computing has control of allocating these hours to researchers over 3 months. Here’s our suggested framework for allocating the 40 hours across 3 researchers:

- **2 hours:** Background Analysis: Project goals and computing needs
- **5 hours:** Education:
  - Research reference architecture
  - Best practices for researchers
  - Deep dive into key areas - based on information received during Background Analysis - topics can include: training on how to access GPUs and TPUs, running SLURM jobs, high CPU & high memory workloads
- **Remaining hours:** Project setup and ongoing support:
  - Advice & assistance from SMEs
  - Office hours assistance