

Get an egress discount for research and education

At universities, research and collaboration are fundamental, and it's important for Google Cloud tools to support this work seamlessly. When it comes to data egress institutions often face challenges such as the fact that costs can be hard to predict, especially in areas like high performance computing, machine learning, and IoT.

We want to remove friction with egress. As a special offer to [Internet2 Higher Education members](https://www.internet2.edu/communities-groups/members/higher-education/) (<https://www.internet2.edu/communities-groups/members/higher-education/>), and members of the [GÉANT NRENS](https://www.geant.org/About/NRENS) (<https://www.geant.org/About/NRENS>) (National research and education network), Google now waives [data egress](/storage/pricing#network-egress) (/storage/pricing#network-egress) fees, up to a maximum discount of 15% of the total monthly Google Cloud fees. This applies to all global egress SKUs for [App Engine](/appengine) (/appengine), [Cloud Bigtable](/bigtable) (/bigtable), [Cloud SQL](/sql) (/sql), [Cloud Storage](/storage) (/storage), and [Compute Engine](/compute) (/compute).

Eligibility

To receive the egress discount for Google Cloud, institutions must meet the following eligibility requirements.

Institution [Internet2 Higher Education member](https://www.internet2.edu/communities-groups/members/higher-education/) (<https://www.internet2.edu/communities-groups/members/higher-education/>) or member of the [GÉANT NRENS](https://www.geant.org/About/NRENS) (<https://www.geant.org/About/NRENS>)

Role Faculty and administrators using Google Cloud

Network Must route at least 80% of egress from Google Cloud through direct peering with Google, Cloud Interconnect links, or through Internet2 or Internet2 connector networks.

Workload Allowed

Types

1. Research or academic workloads
2. Hosting departmental websites

NOT Allowed

1. Massive online open courseware (MOOC)

2. Live-streaming/ Media streaming
3. Hosting websites for commercial purposes outside of research & teaching.

Region USA and EMEA

How to get the egress discount

1. **Eligibility.** Check that your school is included on the list of [Internet2 Higher Education members](https://www.internet2.edu/communities-groups/members/higher-education/) (https://www.internet2.edu/communities-groups/members/higher-education/) or is a member of the [GÉANT NRENs](https://www.geant.org/About/Membership/Pages/MAandGAreps.aspx) (https://www.geant.org/About/Membership/Pages/MAandGAreps.aspx).
2. **Agreement.** Join the Internet2 NET+ Google Cloud offering. To get started, contact us at l2netplus@google.com (mailto:l2netplus@google.com).
3. **Discount.** Once an Internet2 NET+ Google Cloud agreement is in place, Internet2 and Carahsoft can enable the egress discount.

Disproportionate usage

If egress usage exceeds 15% of the total monthly Google Cloud fee, Google will follow up with the institution. Should the customer be found to be in breach of the "Network" or "Workload Types" terms, Google reserves the right to revoke the discount.

Qualifying SKUs for egress discount

The following is a list of SKUs that are eligible for application of the egress discount. These SKUs are subject to change. If a SKU is removed Google will alert the billing contact. If a new SKU is added, it will be discounted automatically on the next billing cycle.

<u>Internet2 Higher Education SKUs</u>	<u>GÉANT NRENs SKUs</u> (#géant-nrens-skus)	
Google Cloud service	SKU ID	DESCRIPTION
App Engine	37F0-8E44-4CAA	Out Bandwidth

App Engine	BEF9-7C51-9053 Out Bandwidth Northern Virginia
App Engine	8D01-B964-672C Datastore Internet Egress from the Americas to Europe
App Engine	C12E-6926-6C95 Datastore Internet Egress from the Americas to Australia
App Engine	D593-11E9-02C2 Datastore Internet Egress from the Americas to the Americas
App Engine	EE25-CE21-7937 Datastore Internet Egress from the Americas to APAC
App Engine	32AE-2ECD-3D23 Firestore Internet Egress from the Americas to the Americas
App Engine	5FC8-D741-D8AA Firestore Internet Egress from the Americas to Europe
App Engine	BA26-D5A1-A4F5 Firestore Internet Egress from the Americas to APAC
App Engine	C70B-D51C- C2FC Firestore Internet Egress from the Americas to Australia
Bigtable	9BAE-207C-E3CC Internet egress
Bigtable	04AB-02D0-7CE0 Internet egress to Australia
Cloud Composer	9E52-5CA5-C569 Cloud Composer network egress from Northern Virginia
Cloud Composer	B665-983E-B70E Cloud Composer network egress from Iowa
Cloud Functions	A10E-AF76-2BD2 Network Egress from us-east1
Cloud Functions	B068-6B82-C017 Network Egress from us-central1
Cloud Spanner	212D-A8A4-5A95 Network Internet Egress
Spanner	9A3C-CF29-645C Network Internet Egress to Australia
Cloud SQL	AFEC-8830-099C Network Inter Connect Egress Americas
Cloud SQL	E902-B793-1D77 Network Inter Connect Egress Northern Virginia
Cloud SQL	6553-6F01-AB8A Network Inter Connect Egress Los Angeles
Cloud SQL	6347-DC9D-4541 Network Internet Egress from Americas to Africa
Cloud SQL	094A-C58C-9FD6 Network Internet Egress from Americas to APAC
Cloud SQL	FAB4-0930-FCA9 Network Internet Egress from Americas to Australia
Cloud SQL	9A1E-9848-CC70 Network Internet Egress from Americas to Sydney

Cloud SQL	88C8-F123-0CDB	Network Internet Egress from Americas to Central America
Cloud SQL	7EB3-F1EB-EC4A	Network Internet Egress from Americas to EMEA
Cloud SQL	46F1-7D47-5C52	Network Internet Egress from Americas to Western Europe
Cloud SQL	8294-56CF-9D13	Network Internet Egress from Americas to Eastern Europe
Cloud SQL	631C-23B2-65A1	Network Internet Egress from Americas to London
Cloud SQL	9807-29E7-2D36	Network Internet Egress from Americas to Frankfurt
Cloud SQL	2FDE-B397-8128	Network Internet Egress from Americas to India
Cloud SQL	9734-053C-F383	Network Internet Egress from Americas to Japan
Cloud SQL	5BDB-E046-14ED	Network Internet Egress from Americas to Middle East
Cloud SQL	238B-D94B-7243	Network Internet Egress from Americas to Americas
Cloud SQL	FAA6-C43C-078D	Network Internet Egress from Americas to South America
Cloud SQL	486C-2712-5B75	Network Internet Egress from Americas to Singapore
Cloud SQL	1234-DF15-8C0F	Network Internet Egress from Americas to Sao Paulo
Cloud SQL	2A9F-827B-C5EB	Network Internet Egress from Americas to Northern Virginia
Cloud SQL	19AD-F814-1A0D	Network Internet Egress from Americas to Netherlands
Cloud SQL	25D9-C091-2403	Network Internet Egress from Americas to Zurich
Cloud SQL	2E10-F829-EB2A	Network Internet Egress from Americas to Osaka
Cloud SQL	804A-7B77-06A1	Network Internet Egress from Americas to Los Angeles
Cloud SQL	8566-B97F-988F	Network Internet Egress from Americas to Mumbai
Cloud SQL	AA01-5DA8-C6E1	Network Internet Egress from Americas to Hong Kong
Cloud SQL	B484-9827-E5E3	Network Internet Egress from Americas to Montreal
Cloud SQL	CDCA-958B-0947	Network Internet Egress from Americas to Finland
Cloud SQL	C29C-7409-819D	Network Internet Egress from Northern Virginia to Africa
Cloud SQL	87F7-C1F7-0D80	Network Internet Egress from Northern Virginia to APAC
Cloud SQL	F42A-689B-9D2F	Network Internet Egress from Northern Virginia to Australia

Cloud SQL	1B8F-8075-8F31 Network Internet Egress from Northern Virginia to Sydney
Cloud SQL	E3F2-3FED-8520 Network Internet Egress from Northern Virginia to Central America
Cloud SQL	4006-7769-1269 Network Internet Egress from Northern Virginia to EMEA
Cloud SQL	EA5D-2B18-4EFD Network Internet Egress from Northern Virginia to Western Europe
Cloud SQL	2A85-3174-7166 Network Internet Egress from Northern Virginia to Eastern Europe
Cloud SQL	5114-2CCE-1EF9 Network Internet Egress from Northern Virginia to London
Cloud SQL	A0EA-58E7-2F69 Network Internet Egress from Northern Virginia to Frankfurt
Cloud SQL	8F3B-244C-AC7E Network Internet Egress from Northern Virginia to India
Cloud SQL	08FB-8522-859B Network Internet Egress from Northern Virginia to Japan
Cloud SQL	64EA-0BE0-EE0A Network Internet Egress from Northern Virginia to Middle East
Cloud SQL	C662-3E25-EB02 Network Internet Egress from Northern Virginia to Americas
Cloud SQL	4FF3-1012-C9E7 Network Internet Egress from Northern Virginia to South America
Cloud SQL	306B-158A-EC0D Network Internet Egress from Northern Virginia to Singapore
Cloud SQL	9C86-8081-AFBB Network Internet Egress from Northern Virginia to Sao Paulo
Cloud SQL	00F5-03E0-8A7E Network Internet Egress from Northern Virginia to Northern Virginia
Cloud SQL	ED08-FFB8-BE96 Network Internet Egress from Northern Virginia to Hong Kong
Cloud SQL	40CB-6740-F33B Network Internet Egress from Northern Virginia to Finland
Cloud SQL	515F-BDD4-21D0 Network Internet Egress from Northern Virginia to Osaka
Cloud SQL	5737-A31F-DA36 Network Internet Egress from Northern Virginia to Zurich
Cloud SQL	5D8D-2A14-0809 Network Internet Egress from Northern Virginia to Mumbai
Cloud SQL	638A-FA06-E0FF Network Internet Egress from Northern Virginia to Netherlands
Cloud SQL	7B27-13E6-74E1 Network Internet Egress from Northern Virginia to Montreal
Cloud SQL	BE38-6CA1-355C Network Internet Egress from Northern Virginia to Los Angeles
Cloud SQL	00B8-A031-94E9 Network Internet Egress from Los Angeles to Hong Kong
Cloud SQL	0376-A7B8-A3B2 Network Internet Egress from Los Angeles to Central America

Cloud SQL	0D1C-D3F7-2458	Network Internet Egress from Los Angeles to Montreal
Cloud SQL	1101-4225-5335	Network Internet Egress from Los Angeles to Singapore
Cloud SQL	1D3D-251F-4BC1	Network Internet Egress from Los Angeles to Middle East
Cloud SQL	2686-7357-69F5	Network Internet Egress from Los Angeles to India
Cloud SQL	354F-8B89-F3D1	Network Internet Egress from Los Angeles to Americas
Cloud SQL	5551-E49D-9F15	Network Internet Egress from Los Angeles to Los Angeles
Cloud SQL	62FF-3B82-989B	Network Internet Egress from Los Angeles to Eastern Europe
Cloud SQL	7585-2A62-7400	Network Internet Egress from Los Angeles to Frankfurt
Cloud SQL	7649-85DB-75CF	Network Internet Egress from Los Angeles to Northern Virginia
Cloud SQL	7E39-5F8D-1F3D	Network Internet Egress from Los Angeles to Africa
Cloud SQL	876B-4C43-B6E9	Network Internet Egress from Los Angeles to Mumbai
Cloud SQL	914B-8C79-7FD6	Network Internet Egress from Los Angeles to Zurich
Cloud SQL	998E-F7E3-2D72	Network Internet Egress from Los Angeles to Australia
Cloud SQL	99B4-1BB0-B924	Network Internet Egress from Los Angeles to APAC
Cloud SQL	A0A0-EC4C-73D9	Network Internet Egress from Los Angeles to Sao Paulo
Cloud SQL	BCA6-8534-3E77	Network Internet Egress from Los Angeles to South America
Cloud SQL	C183-DFF7-5AB9	Network Internet Egress from Los Angeles to Finland
Cloud SQL	C6E7-017C-20D1	Network Internet Egress from Los Angeles to Netherlands
Cloud SQL	D472-742B-88F0	Network Internet Egress from Los Angeles to EMEA
Cloud SQL	D642-AB99-679A	Network Internet Egress from Los Angeles to Western Europe
Cloud SQL	DCEE-CFC2-0924	Network Internet Egress from Los Angeles to Osaka
Cloud SQL	DDF4-C582-F0C6	Network Internet Egress from Los Angeles to London
Cloud SQL	EB3C-ED39-180C	Network Internet Egress from Los Angeles to Japan
Cloud SQL	F282-78FE-6DE1	Network Internet Egress from Los Angeles to Sydney
Cloud Storage	22EB-AAE8-	Download US EMEA

	FBCD
Cloud Storage	1F8B-71B0-3D1B Download APAC
Cloud Storage	9B2D-2B7D-FA5C Download Australia
Cloud Storage	B1FE-19F7-6D1B NA-based egress via peered/interconnect network
Compute Engine	F75A-F7F2-B1D6 Cloud Interconnect - Egress traffic North America/Europe
Compute Engine	02EE-77CE-ACCD Network Vpn Internet Egress from Americas to Africa
Compute Engine	7048-B60B-A049 Network Vpn Internet Egress from Americas to APAC
Compute Engine	84B0-44B8-94C2 Network Vpn Internet Egress from Americas to Mumbai
Compute Engine	AF33-A073-4C3C Network Vpn Internet Egress from Americas to Australia
Compute Engine	53DD-CB1C-D90E Network Vpn Internet Egress from Americas to Central America
Compute Engine	55AB-F09E-18A2 Network Vpn Internet Egress from Americas to EMEA
Compute Engine	4F7D-F434-2A1F Network Vpn Internet Egress from Americas to Western Europe
Compute Engine	7333-3ABE-3F5B Network Vpn Internet Egress from Americas to Eastern Europe
Compute Engine	E2C8-2223-29DA Network Vpn Internet Egress from Americas to India
Compute Engine	AE15-3CC3-413E Network Vpn Internet Egress from Americas to Middle East
Compute Engine	1CA6-4113-9509 Network Vpn Internet Egress from Americas to Americas
Compute Engine	D948-56FA-990B Network Vpn Internet Egress from Americas to South America
Compute Engine	B161-6550-F9C5 Network Vpn Internet Egress from Virginia to Africa
Compute Engine	DF09-8FCA-E031 Network Vpn Internet Egress from Virginia to APAC
Compute Engine	B595-5891-595E Network Vpn Internet Egress from Virginia to Mumbai
Compute Engine	E92B-32CA-ECF2 Network Vpn Internet Egress from Virginia to Australia
Compute Engine	3EFE-A895-92A0 Network Vpn Internet Egress from Virginia to Central America
Compute Engine	151D-B589-9EC6 Network Vpn Internet Egress from Virginia to EMEA
Compute Engine	86A7-6A90-2FEB Network Vpn Internet Egress from Virginia to Western Europe
Compute Engine	7AF0-BAD5- Network Vpn Internet Egress from Virginia to Eastern Europe

	5DED
Compute Engine	936C-BC87-1C4ANetwork Vpn Internet Egress from Virginia to India
Compute Engine	1355-C39D-BA91 Network Vpn Internet Egress from Virginia to Middle East
Compute Engine	9D1F-9322-932F Network Vpn Internet Egress from Virginia to Americas
Compute Engine	F9E7-0876-371C Network Vpn Internet Egress from Virginia to South America
Compute Engine	CC1C-42F6-2492 Network Vpn Internet Egress from Los Angeles to Africa
Compute Engine	0094-7F03-88E0 Network Vpn Internet Egress from Los Angeles to Americas
Compute Engine	D893-A18B-6765 Network Vpn Internet Egress from Los Angeles to APAC
Compute Engine	B3A2-D657-0C7CNetwork Vpn Internet Egress from Los Angeles to Australia
Compute Engine	5C28-CFBD-1059Network Vpn Internet Egress from Los Angeles to Central America
Compute Engine	346A-6168-5E91 Network Vpn Internet Egress from Los Angeles to Eastern Europe
Compute Engine	F16E-7B67-52EB Network Vpn Internet Egress from Los Angeles to EMEA
Compute Engine	EB4C-9737-69D5 Network Vpn Internet Egress from Los Angeles to India
Compute Engine	E708-9971-F57E Network Vpn Internet Egress from Los Angeles to Middle East
Compute Engine	FA11-BDD3-039DNetwork Vpn Internet Egress from Los Angeles to South America
Compute Engine	4C33-C97A-67BFNetwork Vpn Internet Egress from Los Angeles to Western Europe
Compute Engine	984A-1F27-2D1F Network Egress via Peered/Interconnect Network - Americas Based
Compute Engine	11D6-3D11-8E77 Network Internet Egress from Americas to Africa
Compute Engine	6B8F-E63D-832B Network Internet Egress from Americas to APAC
Compute Engine	3D68-3C8C-0BC9Network Internet Egress from Americas to Mumbai
Compute Engine	FDBC-6E3B- D4D8 Network Internet Egress from Americas to Australia
Compute Engine	2B26-4371-08A8 Network Internet Egress from Americas to Central America
Compute Engine	DFA5-B5C6-36D6Network Internet Egress from Americas to EMEA
Compute Engine	D4B4-719D- EBAB Network Internet Egress from Americas to Western Europe

Compute Engine	AD1C-B789-40C3	Network Internet Egress from Americas to Eastern Europe
Compute Engine	5238-FD43-31A4	Network Internet Egress from Americas to India
Compute Engine	A6C3-31B5-6D26	Network Internet Egress from Americas to Middle East
Compute Engine	F274-1692-F213	Network Internet Egress from Americas to Americas
Compute Engine	03A5-1B2A-3485	Network Internet Egress from Americas to South America
Compute Engine	25FC-B018-56B5	Network Internet Egress from Virginia to Africa
Compute Engine	EF87-7452-CC06	Network Internet Egress from Virginia to APAC
Compute Engine	2295-1AC0-793F	Network Internet Egress from Virginia to Mumbai
Compute Engine	E416-CA19-047B	Network Internet Egress from Virginia to Australia
Compute Engine	CA02-CD12-5432	Network Internet Egress from Virginia to Central America
Compute Engine	B290-3774-A052	Network Internet Egress from Virginia to EMEA
Compute Engine	AB5E-D904-7342	Network Internet Egress from Virginia to Western Europe
Compute Engine	6D73-48F0-F0B8	Network Internet Egress from Virginia to Eastern Europe
Compute Engine	A21F-F82C-9ED0	Network Internet Egress from Virginia to India
Compute Engine	AA5F-4305-1D81	Network Internet Egress from Virginia to Middle East
Compute Engine	1A51-8906-72EB	Network Internet Egress from Virginia to Americas
Compute Engine	47B2-EB11-1382	Network Internet Egress from Virginia to South America
Compute Engine	6568-0871-391A	Network Internet Egress from Los Angeles to Africa
Compute Engine	EB55-92E0-41A2	Network Internet Egress from Los Angeles to Americas
Compute Engine	A77A-0DE6-AB33	Network Internet Egress from Los Angeles to APAC
Compute Engine	6705-13F0-2D9B	Network Internet Egress from Los Angeles to Australia
Compute Engine	0982-6334-0191	Network Internet Egress from Los Angeles to Central America
Compute Engine	FB52-C6C8-3823	Network Internet Egress from Los Angeles to Eastern Europe
Compute Engine	9217-116C-69FF	Network Internet Egress from Los Angeles to EMEA
Compute Engine	4F24-370E-9E62	Network Internet Egress from Los Angeles to India

Compute Engine	88F7-DDDE-9680 Network Internet Egress from Los Angeles to Middle East
Compute Engine	0512-159B-3685 Network Internet Egress from Los Angeles to South America
Compute Engine	B8D2-364B-B978 Network Internet Egress from Los Angeles to Western Europe
Compute Engine	249F-EC1E-B5E4 Network Internet Standard Tier Egress from Iowa
Compute Engine	5B0A-FD5A-2F91 Network Internet Standard Tier Egress from Los Angeles
Compute Engine	6435-2C97-95D2 Network Internet Standard Tier Egress from Northern Virginia
Pub/Sub	6A7E-A057-0178 Internet data delivery from North America to Asia Pacific
Pub/Sub	522C-BDB9-069A Internet data delivery from North America to Australia
Pub/Sub	08DA-836B-A5A6 Internet data delivery from North America to EMEA
Pub/Sub	4A21-6BF7-331E Internet data delivery from North America to North America
Pub/Sub	9B08-4FA4-0D29 Internet data delivery from North America to South America
Remote Build Execution	2B81-802E-1D7A Network Internet Egress
Remote Build Execution	C382-F998-C0CF Network Internet Egress to Australia

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