

### Community Requests Direct Connections to the Cloud

Cloud Connect (I2CC) allows the Internet2 community to leverage its regional and national infrastructure to directly access the “direct connection” solutions of leading cloud providers. Internet2 offers access to Amazon’s AWS Direct Connect, Google Cloud Partner Interconnect, Microsoft Azure ExpressRoute and Oracle Fast Connect. The I2CC service is one of the solutions Internet2 is offering to enable access to the cloud by the members of regional networks.



Google Cloud

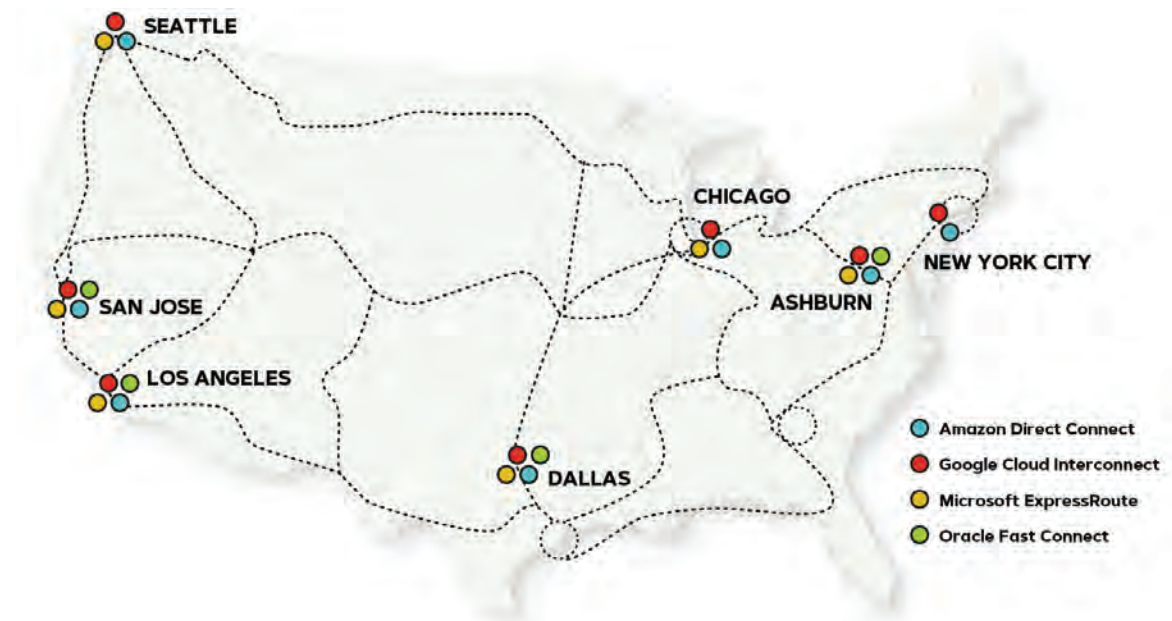


ORACLE  
Fast Connect

### When Would I Use Internet2 Cloud Connect?

I2CC takes advantage of the “direct connection” services offered by the cloud providers listed above. A “direct connection” is used when you are seeking to use the cloud for Infrastructure as a Service (IaaS). Unlike Software as a Service (SaaS), where you may just be accessing an application that your service provider offers in the cloud (like Zoom, or Office 365)<sup>1</sup>, a direct connection is used when you want to extend a part of your computing infrastructure (servers, compute, storage) so you can run your service in the cloud. An example might be moving your ERP system that is currently running on hardware in your on-site data center, to operate in a cloud environment, or providing compute and storage capability in the cloud in support of a researcher. I2CC will allow you to provision a Layer 2 or Layer 3 connection through your regional network and Internet2 to reach cloud-based resources that are dedicated to you (based on your subscription to the cloud providers’ services).

<sup>1</sup>Internet2 will place no restrictions on who can utilize the service through regional networks (i.e. this will be available to Community Anchor Program (CAP) and sponsored participants), any restrictions would be applied by the cloud provider.



#### Amazon Web Services Cloud

Members can work directly with Amazon to subscribe to the AWS Direct Connect service or can leverage an existing campus NET+ agreement.

#### Google Cloud

Members can work directly with Google to subscribe to Google Cloud Service or can leverage an existing campus NET+ agreement.

#### Microsoft Azure

Members interested in the service will need to execute their own Azure subscription with Microsoft.

#### Oracle Cloud Infrastructure

Members interested in the service will need to execute their own Oracle Cloud Infrastructure subscription with Oracle.

FOR MORE INFORMATION:

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