

Difference b/w Cloud Infrastructure Provider

In this KB:

- Various service providers offered by Boundless Technologies
- Comparative feature sets

You should conduct a cost-benefit analysis based on your budget and the pricing offered by the various providers. We have listed down feature sets below for your convenience.

DigitalOcean

- Most affordable cloud provider. Compare with other cloud providers.
- Relatively new but very fast growing cloud provider.
- Reliable infrastructure.
- Scaling up process is slower than with Amazon / Google (typically under ten minutes). Scaling down is not possible (you need to use our clone feature to clone existing server to a smaller one). Scaling processes involve downtime.
- Backup/restore processes are a bit slower than Amazon (as we store backups on Amazon infrastructure). Snapshot backups not available.
- When a server is stopped, we will charge for the whole server as if started (DigitalOcean policy).
- Cheap bandwidth. Good solution if your applications use lots of it.
- A good number of locations (8). New York, San Francisco, Toronto, London, Amsterdam, Frankfurt, Singapore, Bangalore.

Linode

- Cost effective, when compared to AWS/GCE. Compare with other cloud providers.
- Popular in the mid-price hosting category.
- Reliable infrastructure.
- Scaling up process is slower than with Amazon / Google (typically under ten minutes). Scaling down is not possible (you need to use our clone feature to clone existing server to a smaller one). Scaling processes involve downtime.

- Backup/restore processes are a bit slower than Amazon (as we store backups on Amazon infrastructure). Snapshot backups not available.
- When a server is stopped, we will charge for the whole server as if started (Linode's policy).
- Cheap bandwidth. Good solution if your applications use lots of it.
- A good number of locations (8). US East, US South, US Central, US West, Frankfurt, London, Singapore, Tokyo.

Vultr

- Cheaper than Amazon/Google (especially for smaller servers). Compare with other cloud providers.
- Very new but getting traction quickly.
- Reliable infrastructure.
- Scaling up process is slower than with Amazon / Google (typically under ten minutes). Scaling down is not possible (you need to use our clone feature to clone existing server to a smaller one). Scaling processes involve downtime.
- Backup/restore processes are a bit slower than Amazon (as we store backups on Amazon infrastructure). Snapshot backups not available.
- When a server is stopped, we will charge for the whole server as if started from scratch (Vultr policy).
- Cheap bandwidth. Good solution if your applications use lots of it.
- A very good number of locations (12). USA – Seattle, USA – USA-Silicon Valley, USA – Los Angeles, USA – Chicago, USA – Miami, USA – New York, UK – London, Europe – Amsterdam, Europe – Paris, Europe – Frankfurt, Asia Pacific – Tokyo, Asia Pacific – Sydney.

Amazon

- On the expensive side (especially for smaller servers). Compare with other cloud providers.
- Most recognizable cloud brand with the biggest customer base.
- Extremely reliable infrastructure.
- Fast scaling up and scaling down processes (typically under five minutes). Scaling processes involve downtime.

- Quick backup/restore processes (as we store backups on Amazon infrastructure). Availability of snapshot backups.
- When a server is stopped, We just charge for disk usage.
- Expensive bandwidth (so if your application uses a lot of it, the invoice will go up).
- The highest number of locations (14). USA-Northern Virginia, USA-Northern California, USA-Oregon, Europe-Ireland, Europe-Frankfurt, Asia Pacific-Singapore, Asia Pacific-Sydney, Asia Pacific-Tokyo, Asia Pacific-Seoul, Asia-Mumbai, South America-Sao Paula, Canada-Montreal, United Kingdom-London, USA-Ohio.

Google

- Cheaper than Amazon (especially for bigger servers). Compare with other cloud providers.
- Relatively new (in the cloud of course) but already biggest and most powerful contender to Amazon.
- Very reliable infrastructure.
- Fast scaling up and scaling down processes (typically under five minutes). Scaling processes involve downtime.
- Backup/restore processes are a bit slower than with Amazon (as we store backups on Amazon infrastructure). Availability of snapshot backups.
- When a server is stopped, we just charge for disk usage.
- Most expensive bandwidth (so if your application uses a lot, the invoice will go up).
- A good number of locations (11). USA – Iowa, USA- South Carolina, USA – North Virginia, USA – Oregon, Europe – London, Europe – Frankfurt, Europe – Belgium, Asia Pacific – Singapore, Asia Pacific – Sydney, Asia Pacific – Taiwan, Asia Pacific – Tokyo.