HYBRID CLOUD SOLUTION

Best of both worlds: Public cloud and private cloud combined

Why Hybrid Cloud?

The main reason for transitioning to a hybrid cloud solution is to leverage the benefits of both the on-premise and cloud-based systems. Hybrid cloud offers a mixed computing environment where applications are run using a combination of computing, storage, and services in different environments—public clouds and private clouds with on-premises data centers. With a hybrid cloud, organizations have the flexibility to store and manage some data and applications on-premise while also utilizing the scalability and cost-effectiveness of the cloud for other workloads. This combination of public and private cloud services requires integration and orchestration and as such the decision to migrate to a hybrid cloud is usually a result of careful consideration of current and future IT needs. When agility, scalability, and cost savings become important, a migration tends to make sense. And, if the business is growing rapidly cloud provides the added benefit of scaling up and down based on demand.

The migration to a hybrid cloud requires collaboration between the organization's IT team and a trusted cloud service provider as well as FCX. As part of the project these 3 teams collaborate and support each other to assess the current infrastructure, identify the workloads that can be moved to the cloud, and determine the most suitable scope and duration. Once done, the cloud service provider assists with the migration process, and provides ongoing support and management of the hybrid cloud environment.

5 Steps within a migration project to Hybrid Cloud are:

Step 1: Assessment and Planning -

The first step in the migration process will be to assess our current IT infrastructure and identify the applications and workloads that can be moved to the cloud. Storage is also discussed. Third, network connectivity is assessed as potential lag needs to be addressed. Metrics are put into place – what is it that the organization is looking to achieve specifically? Having these benchmarks in place will help ensure the organization stays within a preset budget. Once this has been determined, the migration plan is created. It will include timelines, costs, and potential risk management strategies.

Step 2: Infrastructure Setup and Configuration -

The next step will be to set up the necessary infrastructure in the cloud environment, including networking, storage, and security configurations. This will ensure that our data and applications are secure and accessible in the cloud.

Step 3: Data and Application Migration -

The actual migration of data and applications takes place next. This process may involve different methods based on the type and size of the workload. This procedure is closely monitored and supervised by the provider to ensure a smooth and successful transfer.

Step 4: Testing and Validation -

After the migration is complete, the in-house IT team needs to thoroughly test and validate data and applications to ensure they are functioning properly in the hybrid cloud environment. This step will also involve user acceptance testing to ensure all systems are working as expected.

Step 5: Ongoing Management and Support -

Once the migration is completed, the hybrid cloud environment is managed and maintained on an ongoing basis. The cloud service provider will monitor for performance, perform backups and updates to ensure systems are running smoothly.

FIRSTLIGHT cloud Xchange

20 West 20th Street Suite 604
New York NY 10011

https://fcxnyc.com
Contact us at inquiry@fcxnyc.com