

Transform Your Business with an Edge & Cloud Combo



Integration of Edge devices and Cloud storage improves your business network.

1. Reduces latency by storing your most used data at the Edge of your network where it frequently flows.
2. Creates a Backup and DR network by storing data on and off-site.
3. Provides security against ransomware protection with Nfina-View™ failover feature that allows you to restore your data with one-click.



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HYBRID ■ CLOUD SOLUTIONS

Edge and Cloud Integration

Collecting, processing, and analyzing data can bring great user experiences to businesses. However, many digital transformations are hindered by the ever increasing amounts of data, requiring secure solutions to manage and process it quickly.

In general, edge computing involves allocating compute resources very close to the nodes of data production. Compute and storage are ideally located at the network edge in combination, resulting in reduced latency, cost, and bandwidth issues to meet the demands of real-time, high performance 5G and IoT applications.

Edge computing has become a workable model for distributed computing. Although decentralization is not novel, it has been difficult to deploy in a network architecture with the same oversight and command as in conventional centralized models. Companies are confronting numerous developing network issues due to the growing utilization of decentralized computing.

Anyone with experience in computers knows bandwidth issues. Boosting bandwidth usually costs a lot with limited space. Congestion leads to lags in data transmission, bringing on lags from minor to extreme, which can really mess with a network's ability to work with real-time applications. Delays in analytic processing can cause a slow user experience, deep production problems within smart factories, or even fatalities with self-driving cars.

Eliminate Network Limitations

Customers who are not using edge devices often complain that data retransmissions can be time consuming, and sometimes their network goes down due to congestion. Edge computing addresses network limitations by placing hypervisors and storage devices at or near the point where data is generated. A network at the edge can operate several devices over a much smaller local area network. As a result, local devices can enjoy exclusive bandwidth, eliminating latency and congestion issues.

Local storage securely collects raw data, and local hypervisors have enough processing power to run initial or essential edge analytics for real-time decision making. Once the data transfer is successful, it can be stored in a central data center.

As a buzzword nearly as prevalent as IoT, edge computing offers compelling benefits to businesses that process intensive data. In spite of the fact that many companies market connected devices or services, they have yet to fully capture or even partially capitalize on the data generated by these devices.

Unlock business chances by processing and analyzing data, increase operational effectiveness and create pleasant user experiences. You can accelerate your performance and enhance data security by analyzing data locally.

Constructing a well-thought out edge computing strategy is the only obstacle. Edge computing models with policies can handle workloads, deploy apps at edge sites, secure data, give more flexibility to adapt to networking needs and comply with data storage regulations. Implementing cloud, IoT or mobile edge computing can aid company growth.

Benefits of Nfina Edge and Cloud

If you're thinking about edge deployment in your organization, you should look for a trustworthy partner like Nfina Technologies, who has significant knowledge and experience in edge strategy and implementation.

- Redundant Backup and Disaster Recovery solution with on/off-site data storage.
- Increases performance and reduces latency by processing data close to the edge of your network with the most frequent data occurs.
- Choose up to 192 VMs running on Microsoft® Windows® Server or VMware® ESXi™.
- Comes with Edge-Store or Nfina-Store Software that allows you to create and manage data pools, unlimited snapshots, data encryption, plus more.
- Nfina-View Software which is included, allows you to monitor and test your failover procedures. If a disaster or ransomware attack occurs, your business can restore data with one-click as if the event never happened.

More information is available at: <https://nfina.com/edge-servers/>



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