

Performance Enhancement News:

Announcing PayDC/APS solid state drive (SSD) implementation

Dear Valued Customer,

At PayDC/APS, we are consistently investing to improve your productivity.

As you may know, PayDC/APS's cloud-driven technology platform and database use Microsoft Azure for our infrastructure. We are happy to announce that we have recently completed moving our database to Azure's newly available Premium Storage offering. This provides our Azure infrastructure with high-performance solid state drives for the first time. Note: Further information about Microsoft Premium Storage can be found at the end of this document.

This significant enhancement was implemented during the weekend of (October 31-November 1) with final touches executed on November 3. This initiative required a substantial investment that we are pleased to provide to you at no additional cost.

What does this mean for you? While there are many factors that affect overall performance of the software, the underlying storage speed has some of the biggest impact. In early analysis, we're seeing fairly significant, positive improvement to the overall platform and every function. These changes will hopefully improve everyone's experience by some factor. That said, we have additional work we want to do, specifically in areas where network congestion between our customer's ISP and Azure's hosting environment causes performance issues. We will be implementing additional metrics within our software to help us and third parties identify and fix these issues. Moving forward, it is our goal to continuously improve the overall performance and customer experience for you.

As always, if you have any questions, or want to report your experiences with changed performance, you can always contact our Service Desk.

- If you are a PayDC customer, the phone number is (888) 306-1257, extension 4.
- If you are an Advanced Provider Solutions customer, the phone number is (855) 283-4940, extension 4.
- If you would like to contact the Service Desk via e-mail, please use the [Contact Us form on our website](#)

Thank you.

Best regards,

PayDC/APS Support Team

More about Microsoft Premium Storage, from Microsoft:

Premium Storage is a new solid-state drive (SSD)-based storage offering with low latency and high throughput. It supports demanding enterprise workloads in the cloud.

Premium Storage delivers high-performance, low-latency disk support for I/O intensive workloads running on Azure Virtual Machines. ... With Premium Storage, your applications can have up to 64 TB of storage per VM and achieve 80,000 IOPS (input/output operations per second) per VM and 2000 MB per second disk throughput per VM with extremely low latencies for read operations.

To help guard against unexpected hardware failures, Premium Storage automatically replicates your data to make sure it's available when you need it. Durability of data is of utmost importance for persistent storage. That's why Premium Storage keeps three replicas of data within the same region. You can depend on the persistence of your data and a high tolerance against failures for your critical applications.