



# Clearing Up the Clouds: How Paladin Works in the Cloud

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# **WHAT YOU'LL LEARN**

- How retail business computing has evolved
- What's in the Cloud
- Advantages/Disadvantages of Cloud
- Advantages/Disadvantages of On-Premise
- Best of both worlds - Hybrid

# How Retail Business Computing has Evolved



- The first cash register was invented and patented in the late 1800's.
- National Cash Register (NCR) designed an electric cash register in 1906.
- International Business Machine (IBM) invented the first computer-driven cash register in 1973.
- The first Windows-based retail POS software was developed in the early 1990s.
- Improved internet speeds in the 2000s allowed software of all kinds including POS to be available in the cloud.

# What's in the Cloud?



Cloud-based services allow businesses to utilize a service provider's programs, digital services, or platform hardware through internet connections. The three most prominent forms are:

- SaaS – software
- IaaS – IT infrastructure such as Microsoft Azure or Amazon Web Services
- PaaS – platforms

Cloud computing is growing rapidly. International Data Corporation expects public cloud spending to hit nearly \$500 billion by 2023.

# What's the difference between on-premise and the cloud?

Essentially, the fundamental difference between cloud versus on-premise software is where your data resides.

On-premise software is installed locally, on your business computers, where cloud software is hosted on the vendor's server and accessed via a web browser or a resident applet.

On-premise software puts the user in control of their data allowing them full access to the data and added protection from internet failures.

# Advantages of the Cloud



- Cost – Utilizing the cloud doesn't require onsite servers.
- Mobility – Cloud programs can be accessed anywhere with an internet connection.
- Back up and data storage – Data is stored in offsite cloud servers and can be backed up.

# Disadvantages of the Cloud



- Reliability – Performance is based on internet service provider quality. Low bandwidth speeds limit reliability, service quality, and system performance.
- Cost – Cloud services may be based on the amount of data stored and number of users. Storing more data can raise costs.
- Hardware – Most Cloud-based companies don't provide technical support for hardware. Most peripherals require internet connection, which has its challenges.
- Security/Risk – Your data is potentially stored with data from thousands of other businesses increasing the possibility of your data being hacked or compromised.
- Compliance – HIPAA, PCI-DSS, GDPR, CCPA, and the Federal Firearms Act all require information protection compliance. Not all cloud service providers meet these compliance requirements.

## Advantages of On Premise

- Security – No comingling of data in cloud servers. Less chances of a data being breach. More securely protects sensitive business and consumer data.
- Accessibility – Data is immediately available and completely under the control of the user.
- Control – A business's data belongs to that business and is stored at that business.
- Reliability – Store functions are not dependent on internet connection availability or quality.
- Compliance – Because your data is stored locally, updated software keeps businesses fully compliant with regulatory and industry standards.





# Paladin Provides Best of Both Worlds

Paladin's onsite data storage and online Managed Services offers the best features of onsite and cloud computing.

## Onsite solution and data storage

- Paladin's retail solution is installed onto hardware in your store, so you own your data.
- It runs even when offline, allowing you to access your data whenever you want it.
- Safe and secure from online hackers.
- Protects your business and your customers from online and in-store fraud.



# Paladin Provides Best of Both Worlds

**Cloud services** - Paladin protects your business and onsite hardware with a variety of online managed services.

- DataWise™ and SystemWise™ secures data against disaster by backing up point of sale and other files.
- Managed Security™ keeps computers safe from viruses, fraudulent websites, ransomware and more.
- Managed Updates™ improves the reliability of your network by monitoring, testing and installing updates outside business hours.
- ManagedNetwork™ improves the reliability, performance and security of your entire business network by monitoring it 24/7.



# Paladin's Mobile Services Utilize the Cloud

**Paladin's Mobile Access** and **Mobile2** app suite also utilize the cloud to access your store's data in real-time.

Mobile2 apps work on most Android devices and are free to Paladin clients.

Mobile2Checkout lets you:

- Sell anything in your store from anywhere with an internet connection.
- Search your store's customer and inventory.
- Scan products.
- Capture signatures.
- Accept payments.
- And more



## Mobile2Deliver Lets You Take Paladin With You

Paladin's **Mobile2Deliver** lets you improve delivery services.

- View and manage deliveries that were scheduled in Paladin.
- Enter notes and take pictures with a mobile device.
- Accept signatures.
- Modify delivery quantities (reduce quantity only) for automatic crediting in a new invoice.
- View real-time delivery status, notes and pictures on a Paladin terminal in your store.



# Mobile Access Gives Ultimate Access

Paladin **Mobile Access** is a web-based application that runs on smartphones, tablets, laptops and computers and allows read-only access to your store's daily sales and inventory data.



# Paladin Pilot Lets You Work From Anywhere



**Paladin Pilot** lets you access Paladin terminals remotely from any where with an internet connection. This service provides you direct access to the Paladin terminals in your store as if you were there in person.

## Learn More

To learn more, see the following resources in our [Help Portal](#) and [Retail Science](#)

- [Database Appliance Improves System Performance, Security](#)
- [DataWise™ and SystemWise™](#)
- [Managed Updates™](#)
- [Managed Security™](#)
- [Hybrid Cloud Computing: Own Your Own Data](#)
- [Four Reasons to Use Managed IT Service Providers](#)
- [About the Paladin Mobile 2 App Suite and Mobile Access](#)

A recording of this webinar will be available at [portal.paladinpos.com/webinars](http://portal.paladinpos.com/webinars).

Q+A



Next Webinar:  
*Remote Stock Check Simplifies Ordering*  
August 3 @ 9am PT

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on the **Help Portal**.

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