



# FY2024 REPORT ON COOK COUNTY CLERK'S OFFICE SOFTWARE ASSETS AND HARDWARE ASSET INVENTORIES

Cook County Clerk's Office  
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**COOK COUNTY REPORT ON SOFTWARE ASSETS AND HARDWARE ASSET INVENTORIES FOR  
COOK COUNTY CLERK'S OFFICE**

**ASSET STRATEGY**

Security concerns are a primary consideration when procuring technology assets given the growing sophistication of cyberthreats. The Cook County Clerk's Office (CCCO) routinely implements hardware and software upgrades to maintain the most up-to-date security patches. These upgrades help prevent successful cyberattacks and subsequent costly data breach remediation.

Product lifecycle, or the amount of time from technology implementation through use and eventual decline, affects not only information security but also employee productivity. The current computer and server lifecycles recommended by the Budget Office are six years. All CCCO enterprise software license procurement contracts are drafted to ensure perpetual upgrades and full support of the manufacturer.

**SOFTWARE INVENTORY ASSESSMENTS**

The Bureau of Technology manages the procurement of enterprise licenses for Adobe and Microsoft products. Elected Offices and the Cook County Forest Preserve are then charged-back for their portion of licenses. Procurement of licenses on an enterprise-scale helps reduce costs and improve efficiency. However, CCCO procures its own license for applications directly related to the operation of this office, and in a number of cases develops and deploys its own home-grown applications.

The CCCO participates in the BoT enterprise software license inventory, which is measured annually through a true-up process that helps reconcile assignment of licenses. A list of CCCO software applications is attached to this document as a Excel spreadsheet.

**HARDWARE INVENTORY ASSESSMENTS**

**COMPUTER INVENTORY**

<b>Dept/Agency</b>	<b>Laptops</b>	<b>Computers</b>
Elections	20	80
Recordings	25	50
Real Estate Taxes	15	50
Vital Records	15	50
Clerk of the Board	10	15
Administration / Spares	334	75
<b>TOTAL</b>	<b>490</b>	<b>320</b>

Per the Bureau of Technology, the minimum standards for new computer purchases for CCCO include:

- Sixteen gigabits of RAM
- An i5 processor
- A solid-state hard drive

The procurement vehicle for technology hardware is typically through reseller agreements. Cook County currently has three hardware agreements through SHI, Insight, and CDW-G all of which were obtained through the RFP process and in compliance with all legal requirements.

### **SERVERS**

CCCO maintains a large group of servers deployed both in the Cloud at Amazon Web Services (AWS) and in house, primarily in the BoT Nutanix environment with a few remaining stand-alone servers that will be moved to Nutanix or decommissioned in FY 2024

2024	
<b>Nutanix Virtual Servers</b>	104
<b>Hyper V Virtual Servers</b>	71
<b>AWS Virtual Servers</b>	39
<b>Physical Servers</b>	32
<b>TOTAL</b>	<b>246</b>

### **ELECTION EQUIPMENT**

CCCO uses election equipment from Dominion Voting Systems (DVS) for voting equipment and from KnowInk (KI) for electronic pollbooks.

2024	
<b>DVS Touch Screens</b>	4,000
<b>DVS Scanners</b>	2,000
<b>DVS Tally Server Rack</b>	1
<b>KI e-Pollbooks</b>	4500
<b>KI e-Pulse AWS Server</b>	1
<b>TOTAL</b>	<b>10,002</b>

## MOBILE DEVICE MANAGEMENT

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CCCO uses the Microsoft Intune Mobile Device Management (MDM) application for employees within our Microsoft Office 365 tenant with compatible County-issued cell phones. For Election specific hardware CCCO uses a combination of Absolute for Android devices and Cisco Meraki for Apple devices.

MDM software allows IT administrators to remotely manage mobile devices. Using MDM allows Cook County to install and update apps. MDM also provides the ability to delete Cook County data from a device if it becomes lost or stolen.

Other benefits of utilizing MDM include:

- Improved efficiency
- Decreased downtime for users
- Mitigation of compliance risks
- Increased data security
- Seamless delivery of services

## APPLICATION INVENTORY

Dept/Agency	APPLICATIONS
Elections	29
Recordings	5
Real Estate Taxes	10
Vital Records	13
Clerk of the Board	2
Administration / IT / Other	21
<b>TOTAL</b>	<b>80</b>