

NASSAU HEALTH CARE CORPORATION
a/k/a the NuHealth System
Q & A – Lawson Hosting and Support – September 16, 2016

1. MHC specs (hardware)
 - a. Please see Attachment A and Attachment B
2. MHC environment required -2 or 3 – specs for each –
 - a. Two environments Test and Prod. Same for both
3. Can we also get the current employee count?
 - a. 3500+/-
4. Do you have a recommended list of MBE / WBE approved vendors?
 - a. No.
5. What is your current version of Lawson?
 - a. We are on 9.0.1.12.691 and will be upgrading to Version 10.
6. Has a hardware sizing study been completed? If yes do you have the requirements for the quantity of virtual servers, memory, disk space requirements, OS types and quantities including storage requirements for historical data retention? If no, we can make assumptions based on past experience.
 - a. No
7. Are there any network connectivity requirements?
 - a. Site to Site VPN, or Dedicated Line
8. Are there any requirements for security, disaster recovery, high availability, load balancing and replication?
 - a. Each option should include redundancy, uptime, backup and system recovery options. NHCC runs mission critical applications on the Lawson system and require an annual minimum uptime of 99.97%.
9. In regards to integration will it be real time?
 - a. MHC is real time integration, FTP connections and Batch Jobs.
10. What are the number and types of tiers required? i.e. web, app, middleware, db.
 - a. 3

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11. Do you have specific requirements around monitoring for the network, services, applications and database?
 - a. We assume the hosting site will have and use standard monitoring tools and capabilities for the network, services, applications and database to maintain 99.97% uptime.

12. In case a vendor does not have Cloud hosting for Lawson –Infor, would a proposal be eliminated or you would consider other capabilities for example Lawson Infor Optimization, implementation and Training
 - a. All proposals will be evaluated.

13. How many vendors will be awarded with a contract
 - a. One or two

14. What is the primary driver for initiating this RFP, is Nassau Health not pleased with the quality or cost reasons
 - a. Our Policy requires RFP. We are looking to improve quality and reduce cost.

MHC Imaging Sizing Worksheet

MHC WEB SERVER

Total Est. # of Users Uploading Docs: 0

Minimum Hardware Requirements

Baseline Available Hard Disk Space for Software (10 GB baseline or 50 GB for High-Performance Configuration)

Total Est. # of Users Retrieving Docs: 0

Total KB	Total GB
10,000,000	10

IMAGES - FILE SERVER

Baseline Available Hard Disk Space

	Est. # of users uploading documents	Est. # of users retrieving documents	# of documents per month	# of documents per year or total	Average # pages per document	Projected annual document growth rate	# of years to be sized	Sizing Assumptions (kb per page)	Total KB	Total GB
Baseline Available Hard Disk Space									10,000,000	10
Projected Document Volume - AP Invoices	0	0	2,500	30,000	1	0%	1	100	3,000,000	3
Projected Document Volume - AP Payments	0	0	1,250	15,000	1	0%	1	100	1,500,000	2
Projected Document Volume - POs	0	0	2,500	30,000	1	0%	1	100	3,000,000	3
Projected Document Volume - Vendor Docs	0	0	2,000	24,000	1	0%	1	100	2,400,000	2
Projected Document Volume - Packing Slips	0	0	2,000	24,000	1	0%	1	100	2,400,000	2
Projected Document Volume - Requisition Docs	0	0	6,000	72,000	1	0%	1	100	7,200,000	7

TOTAL - IMAGES 29,500,000 30

IMAGING - DATABASE

Baseline Available Hard Disk Space

	Est. # of users uploading documents	Est. # of users retrieving documents	# of documents per month	# of document pages converted or per year	% of documents to be sent to Workflow	Projected annual document growth rate	# of years to be sized	Sizing Assumptions (kb per page)	Total KB	Total GB
Baseline Available Hard Disk Space									10,000,000	10
Projected Document Volume - AP Invoices	0	0	2,500	30,000	0%	0%	1	50	1,500,000	2
Projected Document Volume - AP Payments	0	0	1,250	15,000	0%	0%	1	50	750,000	1
Projected Document Volume - POs	0	0	2,500	30,000	0%	0%	1	50	1,500,000	2
Projected Document Volume - Vendor Docs	0	0	2,000	24,000	0%	0%	1	50	1,200,000	1
Projected Document Volume - Packing Slips	0	0	2,000	24,000	0%	0%	1	50	1,200,000	1
Projected Document Volume - Requisition Docs	0	0	6,000	72,000	0%	0%	1	50	3,600,000	4

TOTAL - DATABASE 16,150,000 16

TOTALS 45,650,000 46

Database Requirements:

The MHC Database may be a Microsoft (MS) SQL Server® 2014, 2012R2, 2012, 2008R2, 2008, 2005 or Oracle® 12c, 11gR2 or 11g database. For optimal performance, MHC recommends that organizations install the database on a separate server from the application components.

However, if MS SQL Server is used for the MHC Imaging Database, the database can be hosted on the same computer as MHC application components as long as adequate memory and processing power is allocated to SQL Server to support database access and other processing on the server.

The database server sizing needs vary based on the additional volume of databases on the database server and expected document and user volumes.

Server Class – minimum 4 cores; for optimal performance, we recommend 3.0+ Ghz processors

Minimum memory requirements: 4 GB memory for a low volume implementation and a minimum of 16 GB memory for a moderate volume implementation or any size implementation that uses a virtualized database server.

2 database for one for Test and Prod

Application Requirements:

Windows® Server 2012R2, 2012, 2008R2, 2008, 2003

Server Class CPU – minimum 8 cores; for optimal performance, 3.0+ Ghz processors recommended

16-32 GB RAM (2-4 GB per core)

1 Gb/second network

MHC Output Sizing Worksheet

TOTAL EMPLOYEE COUNT: 3500 +/-

FILES

Baseline: Referenced Overlays and Signature Files

Total KB	Total GB
50,000	0.1

DATABASE

Baseline Available Hard Disk Space
2 GB baseline or 3 GB for High-Performance Configuration

	# of documents per month	# of documents per year or total	Average # pages per document	Projected annual document growth rate	# of years to be sized	Sizing Assumptions (kb per page)	Total KB	Total GB
Projected Doc. Count - AP	1,250	15,000	1	0%	1	20	300,000	0.3
Projected Doc. Count - PR	0	0	1	0%	1	20	0	0.0
Projected Doc. Count - Forms	2,500	30,000	1	0%	1	20	600,000	0.6
Projected Doc. Count - W-2s		3,500	1	0%	1	20	70,000	0.1
Projected Doc. Count - 1099s		3,500	1	0%	1	20	70,000	0.1
Projected Doc. Count - 1095-Cs		3,500	1	0%	1	20	70,000	0.1
TOTAL - DATABASE							3,110,000	3.1

	Total KB	Total GB
TOTALS	3,160,000	3.2

Database Requirements

MS SQL Server 2008, 2008R2, 2012, 2012R2 and Oracle 9i, 10, 11g, and 12c databases
Minimum memory requirements: 4 GB memory for a low volume implementation and a minimum of 16 GB memory for a moderate volume implementation or any size implementation that uses a virtualized database server.
2 database for one for Test and Prod

Application Requirements

Windows® Server 2012R2/2012, Windows® Server 2008R2/2008
Dual-Core Intel® Xeon® Processor (or equivalent).
8 GB RAM.