

System Integration Testing

System Integration Testing (SIT), also known as integrated or System Testing, is the overall testing of all components integrated together to make up the solution

- + SIT Objective
- First opportunity for end-to-end testing of integrated scripts, features, processes, and interfaces.

- Expand scope of testing to include system administration
- Begin to transfer knowledge and support ownership to client

ONBASE IN HEALTHCARE

OnBase by Hyland is can be used across nearly every industry and every functional area, and especially for healthcare organizations. Join Cailen Myers, Senior OnBase Consultant for RPI Consultants, to learn how a health system in Northeast Ohio is using OnBase in over 20 departments.

+ **OnBase Mobile for Tablets**

- February 5th, 1:00pm CT

+ **AP Automation with OnBase**

- February 19th, 1:00pm CT

+ **Migrate Report Services to Reporting Dashboard**

- March 4th, 1:00pm CT

+ **Epic Integration Upgrades**

- March 18th, 1:00pm CT

+ **OnBase Forms Solutions**

- April 1st, 1:00pm CT

+ **OnBase for HR**

- April 15th, 1:00pm CT

+ **OnBase Case Studies & Success Stories**

- April 29th, 1:00pm CT

www.rpic.com/webinars

Cailen Myers

Senior OnBase Consultant

- + 10+ years of experience designing, implementing and supporting OnBase
- + Specialized in Healthcare and EMR/ERP Integration
- + Certifications include: OnBase System Admin, OnBase Advance System Admin, OnBase Workflow Admin, OnBase Advance Workflow Admin, OnBase Support Engineer, EPIC Deficiency Tracking, EPIC Identity, EPIC Release of Information
- + Mom to 3 Siberian Huskies, loves baking and scrapbooking



- + **Challenges in Healthcare Technology**
- + **OnBase Across the Healthcare Enterprise**
- + **Case Study: OnBase at Work in Healthcare**
- + **Summary & Questions**

OnBaseTM
by Hyland

Authorized Solution Provider

CHALLENGES IN HEALTHCARE TECHNOLOGY

Healthcare organizations have unique challenges and requirements for technology and software that are related to patient care and regulation.

- + **High Availability, Up-time Requirements**
- + **Interoperability**
- + **Patient and Account Merges**
- + **Re-indexing Patient Records & Audit Trails**
- + **Medical Supply Management**

- + **Protected Health Information**
- + **Patient Access & Security**
- + **Prescribing & Orders**
- + **Signatures**



ONBASE ACROSS THE HEALTHCARE ENTERPRISE

OnBase by Hyland offers software and solutions across the healthcare enterprise to meet the unique administrative, operational, and clinical challenges of hospitals and health systems.

COMMON PAIN POINTS



- + **Security For Documents**
- + **Access To Documents**
- + **Missing Documents**
- + **Missing Required Information**
- + **Making Copies To Send To Others**
- + **Not Everyone Will See A Change**



+ **Administrative**

- Departments and solutions related to the business of running the healthcare enterprise

+ **Operational**

- Departments and solutions related to the operations or delivery of clinical services across the healthcare enterprise

+ **Clinical**

- Departments and solutions related to the delivery of patient care within the healthcare enterprise

Administrative

Accounts Payable & Invoice
Processing

Human Resources Automation

Materials Management

Patient Financial Services

Operational

Admitting & Enrollment

Patient Registration & Access

Medical Research

Faculty Affairs

Employee Resources Groups

Financial Counseling

Clinical

Ambulance Records &
Emergency Department

Health Information
Management / Medical Records

Patient Merges & Document
Re-indexing

LEVEL UP YOUR AUTOMATION



Good

Capture & Index with
AppEnabler

Search & Retrieve

Better

Digital Workflows, Automated
Routing Rules, Notifications

Application Enabled
Connections

Best

Intelligent Data Capture with
Advanced OCR

Workflow Approval
Management

Reporting Dashboards with
external databases

AUTOMATION EXCELLENCE

A large, thick green arrow points from the 'Good' section towards the 'Best' section, indicating a progression or path towards automation excellence.



CASE STUDY: ONBASE AT WORK ACROSS THE HEALTHCARE ENTERPRISE

Here's what an actual healthcare system did to implement OnBase across the enterprise and solve administrative, operational, and clinical related content challenges.

About the Health System

- + **County Hospital**
- + **Over 20 community health sites**
- + **Level I Trauma Center**
- + **Life Flight**
- + **730+ bed count**
- + **Over 8,000 employees**
- + **3 OnBase FTEs**

About the OnBase System

- + **2 Database Servers connected to SAN**
- + **2 File Servers connected to NAS**
- + **4 Processing Servers**
- + **2 Web Servers**
- + **2 Application Servers**
- + **1 Mobile Server**
- + **2 External Servers**

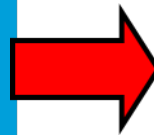
- + **Unity Client & Unity Forms**
- + **E-Forms**
- + **HL7 Listener/Sender**
- + **OnBase/Epic Integration**
- + **Application Enabler**
- + **Report Services**
- + **Reporting Dashboards**
- + **OnBase Patient Window**
- + **Batch OCR**
- + **Advance Capture**
- + **Document Composition**
- + **Workflow**
- + **Foldering**
- + **PACSGear**
- + **OnBase Mobile**
- + **Import Processors (COLD, DIP, EDI, DRIP, 810 processor)**

+ Accounts Payable

- Invoice Processing

- *PO/Non-PO Invoices, Check Request*

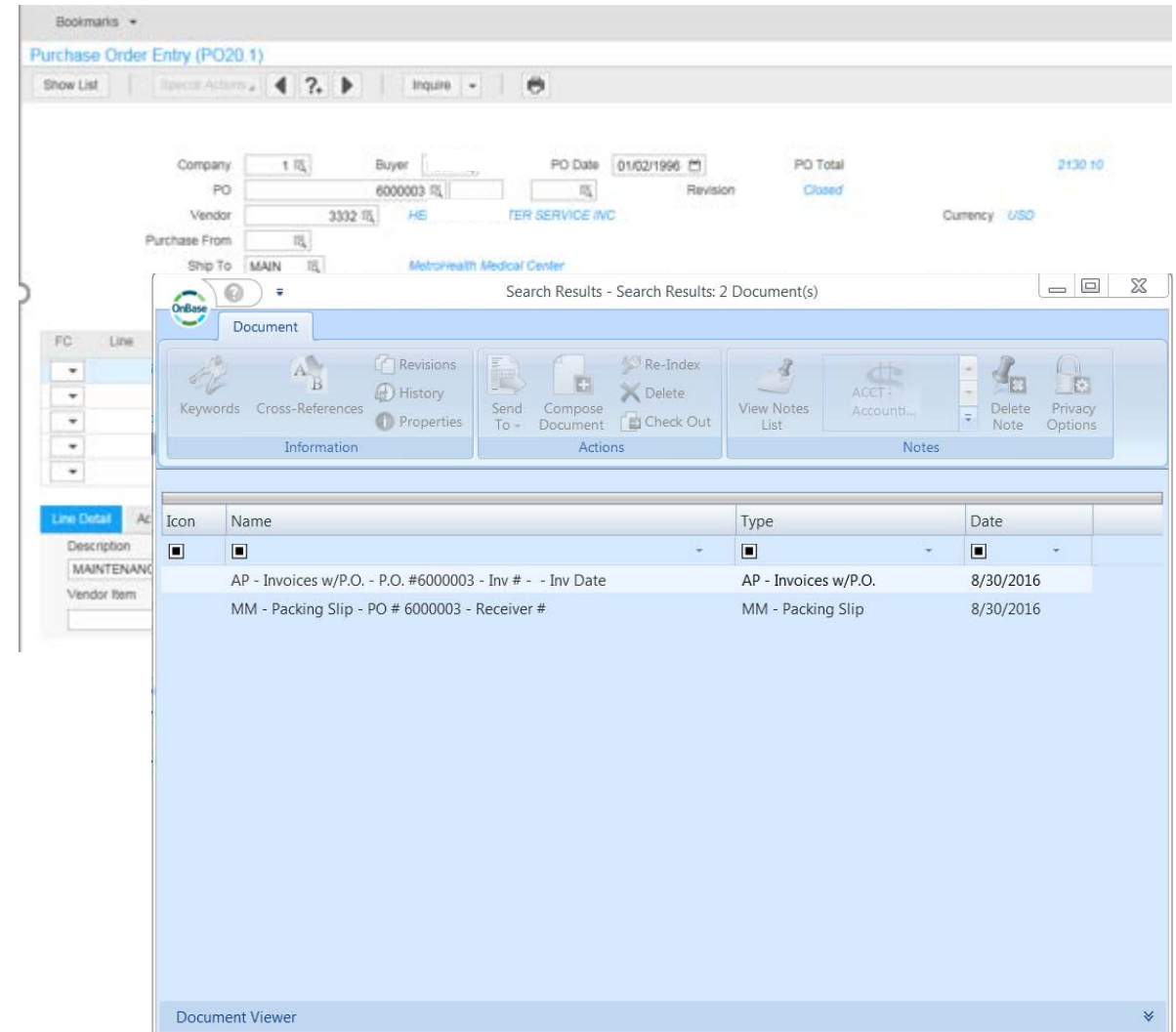
**SHIFT +
Right
Double-
click**



Invoice indexing	
P.O. #	<input type="text" value="9190037"/>
Invoice #	<input type="text" value="30090085837"/>
Invoice Amt.	<input type="text" value="136.91"/>
Lawson Inv Date	<input type="text" value="62804"/>
Vendor #	<input type="text" value="27780"/>
Handling Code	<input type="text" value="MAT1"/>
<input type="button" value="Submit"/>	<input type="button" value="Cancel"/>

+ Accounts Payable

- Invoice Processing
 - *PO/Non-PO Invoices, Check Request*
- Retrieve Documents
 - *Invoices, Check Requests, Packing Slips*
 - *AppEnabled Screens (i.e. AP20.1, AP90.4. etc.)*



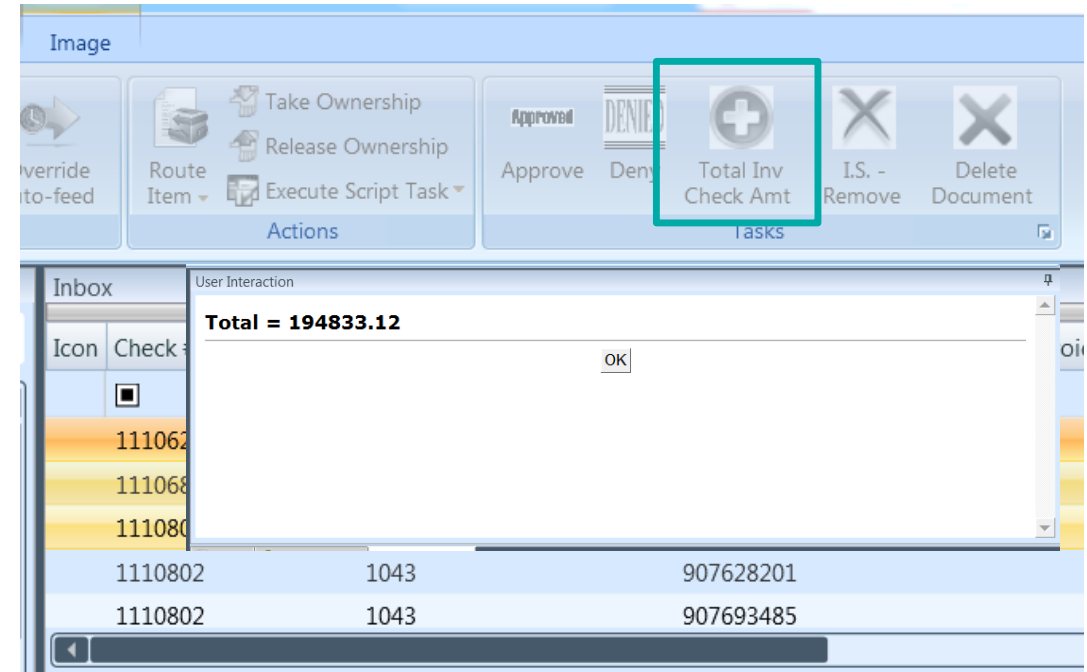
The screenshot displays a software interface for "Purchase Order Entry (PO20.1)". At the top, there are fields for Company (1), Buyer (6000003), PO Date (01/02/1996), and PO Total (2130.10). The Vendor is listed as 3332 (HE) TER SERVICE INC, and the Ship To location is MAIN (MetroHealth Medical Center). A search results window is open, showing "Search Results - Search Results: 2 Document(s)". The results are as follows:

Icon	Name	Type	Date
■	AP - Invoices w/P.O. - P.O. #6000003 - Inv # - - Inv Date	AP - Invoices w/P.O.	8/30/2016
■	MM - Packing Slip - PO # 6000003 - Receiver #	MM - Packing Slip	8/30/2016

The interface also includes a "Document Viewer" at the bottom and various action buttons like "Revisions", "History", "Properties", "Send To", "Compose Document", "Delete", "Check Out", "View Notes List", "ACCT - Account...", "Delete Note", and "Privacy Options".

+ Accounts Payable

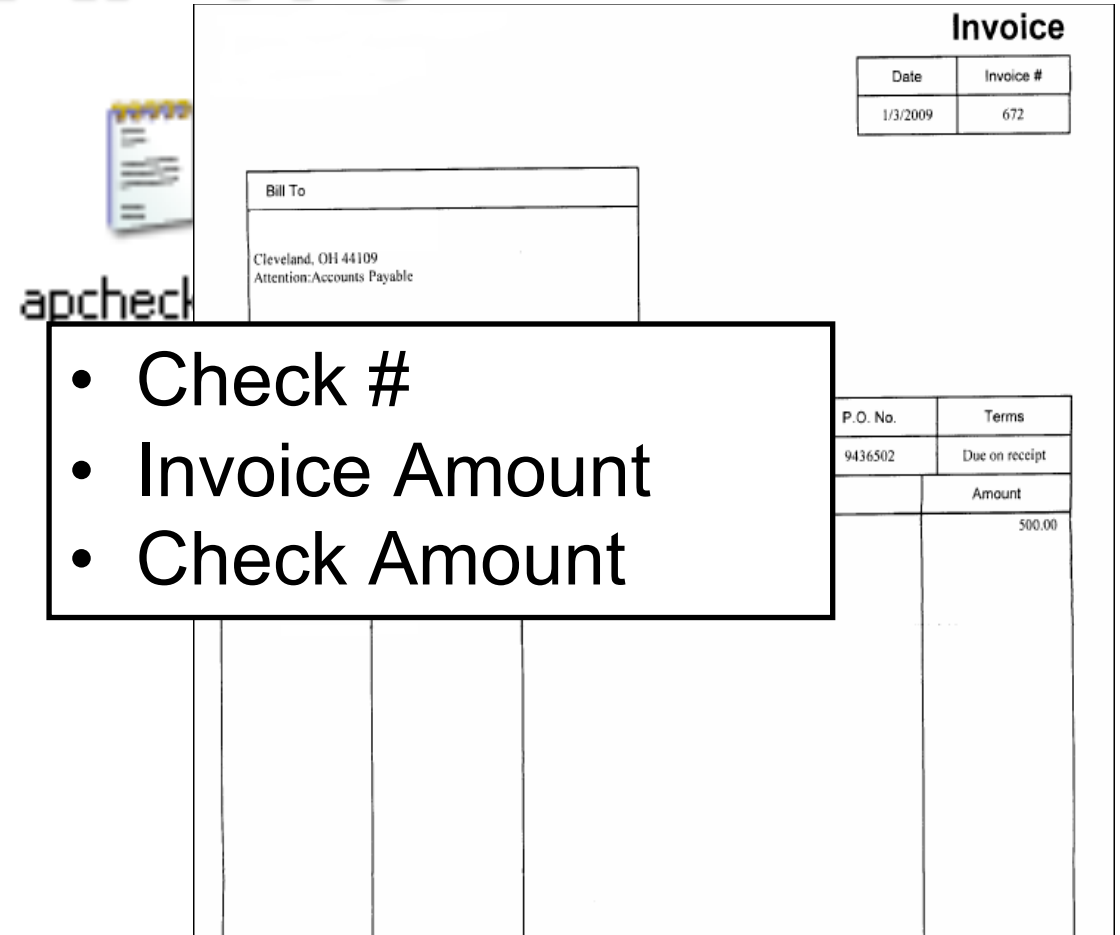
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 - *PO/Non-PO Invoices, Check Request*
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 - *AppEnabled Screens (i.e. AP20.1, AP90.4. etc.)*
- Electronic Workflows
 - *Indexing Invoices, Issue Resolution, Waiting for Check #, Invoice Approval for Cafeteria*



AP170

+ Accounts Payable

- Invoice Processing
 - *PO/Non-PO Invoices, Check Request*
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 - *AppEnabled Screens (i.e. AP20.1, AP90.4. etc.)*
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- Add Check Number to Invoice

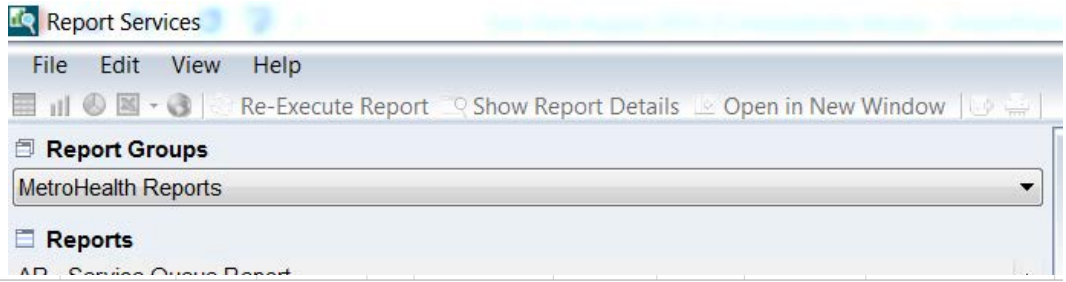


The screenshot shows an invoice form with the following sections:

- Invoice** (top right)
- | Date | Invoice # |
|----------|-----------|
| 1/3/2009 | 672 |
- Bill To** (middle left)
- Cleveland, OH 44109
Attention:Accounts Payable
- apcheck** (text label next to the Bill To section)
- Callout Box:**
 - Check #
 - Invoice Amount
 - Check Amount
- | P.O. No. | Terms |
|----------|----------------|
| 9436502 | Due on receipt |
| | Amount |
| | 500.00 |

+ Accounts Payable

- Invoice Processing
 - *PO/Non-PO Invoices, Check Request*
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 - *Invoices, Check Requests, Packing Slips*
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- Add Check Number to Invoice
- Report Services



The screenshot shows a software window titled 'Report Services' with a menu bar (File, Edit, View, Help) and a toolbar (Re-Execute Report, Show Report Details, Open in New Window). A 'Report Groups' dropdown menu is set to 'MetroHealth Reports'. Below it, a 'Reports' section shows 'AP - Service Queue Report' selected. The main area displays a table titled 'AP - Workflow Report:' with the following data:

Document Name	Queue Name	Invoice #	Invoice Date	PO #	Vendor Number	Cost Center	Account #	Expense Code	Paper Invoice Amount
w/P.O. (PDF) - PO	#1000-1009	30308B	12:00:00	158	49668				420.33
Requests/no P.O.	#9000-9999	9813188	12:00:00		491	90009120		94095	7.00
Requests/no P.O. and Expense		0716	12:00:00		50848	10007721		94051	26.46
w/P.O. - P.O.	A - H	75	12:00:00	628					108.00
w/P.O. - P.O.	P	76	12:00:00	718					5379.00
w/P.O. - P.O.	Q - Z	81	12:00:00	529					183.60
w/P.O. - P.O.	P	380792	12:00:00	836					640.51

Report Services have saved AP staff over two days of manual work during month end processing.


“Before we were manually looking up invoices and entering them into a spreadsheet. So you can imagine how long it took to gather data for 5,000 invoices - we had to start the 2nd to last day of the month to be done by day 1. Now I start at noon on day 1.” – David Cort

+ Human Resources






- Personnel Files

- *6,600 active 2,500 termed, 120+ different documents*

Document Type

Document Date 

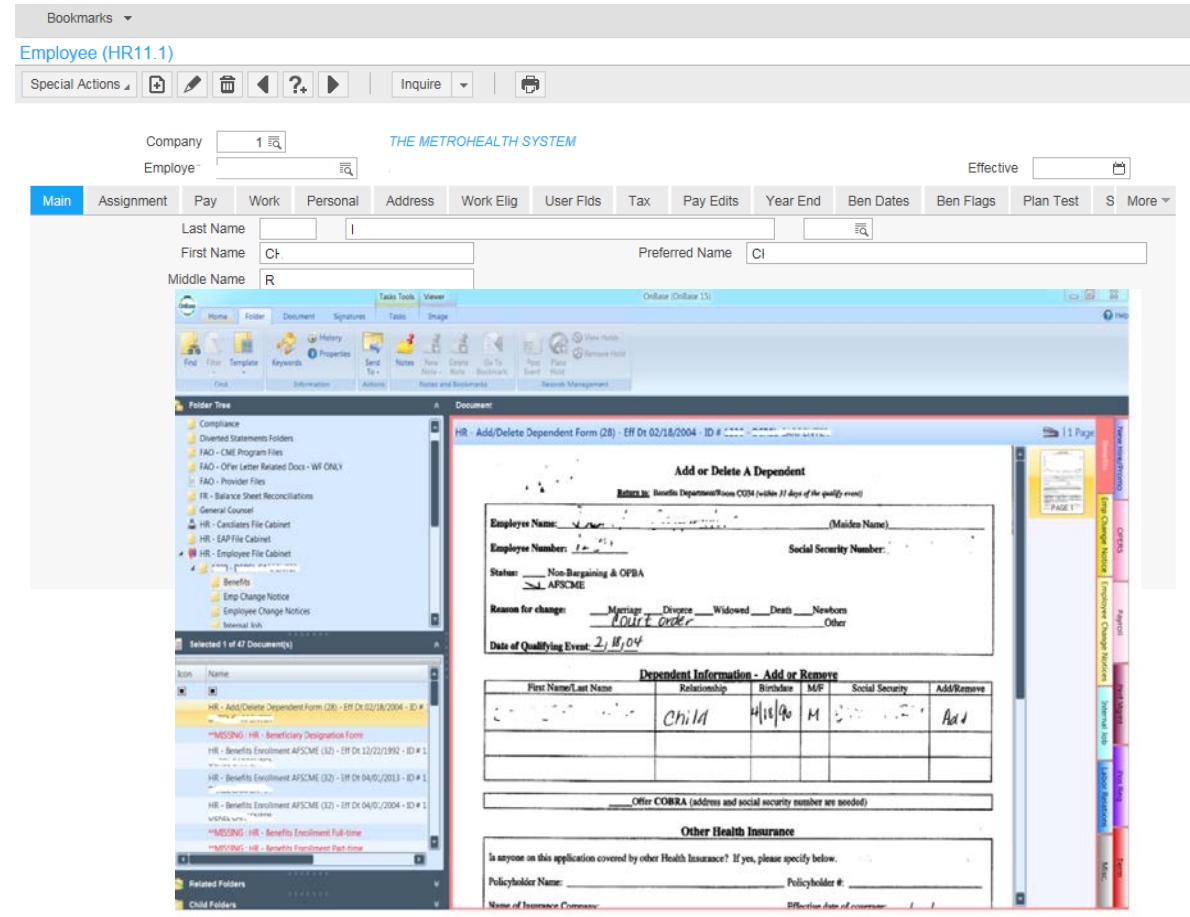
Keywords

Emp ID #	<input type="text" value="1234"/>	
Emp First Name	<input type="text" value="JANE"/>	
Emp Last Name	<input type="text" value="SMITH"/>	
Emp Security Location	<input type="text" value="EMP"/>	
SS# (Lawson)	<input type="text" value="123-45-6789"/>	

+
TAB

+ Human Resources

- Personnel Files
 - 6,600 active 2,500 termed, 120+ different documents
- Electronic Workflows
 - New Hires, Changes, Terminations, Licensure Reviews, Labor Relations
- Document is "Auto-Folder" upon scanning Folder tabs
 - Benefits, New Hire/Promo, I-9, Internal Job, Lic/Reg/Cert, Payroll, etc.



The screenshot displays the HR11.1 system interface. At the top, there are navigation tabs: Main, Assignment, Pay, Work, Personal, Address, Work Elig, User Fids, Tax, Pay Edits, Year End, Ben Dates, Ben Flags, Plan Test, and S More. The main content area shows a form titled "Add or Delete A Dependent" with fields for Employee Name, Employee Number, Social Security Number, Status, Reason for change, and Date of Qualifying Event. Below this is a table for "Dependent Information - Add or Remove" with columns for First Name/Last Name, Relationship, Birthdate, M/F, Social Security, and Add/Remove. The table contains one entry for a child with birthdate 4/11/90 and relationship Child. There is also a section for "Other Health Insurance" with fields for Policyholder Name and Policyholder #.

First Name/Last Name	Relationship	Birthdate	M/F	Social Security	Add/Remove
[Redacted]	Child	4/11/90	M	[Redacted]	Add

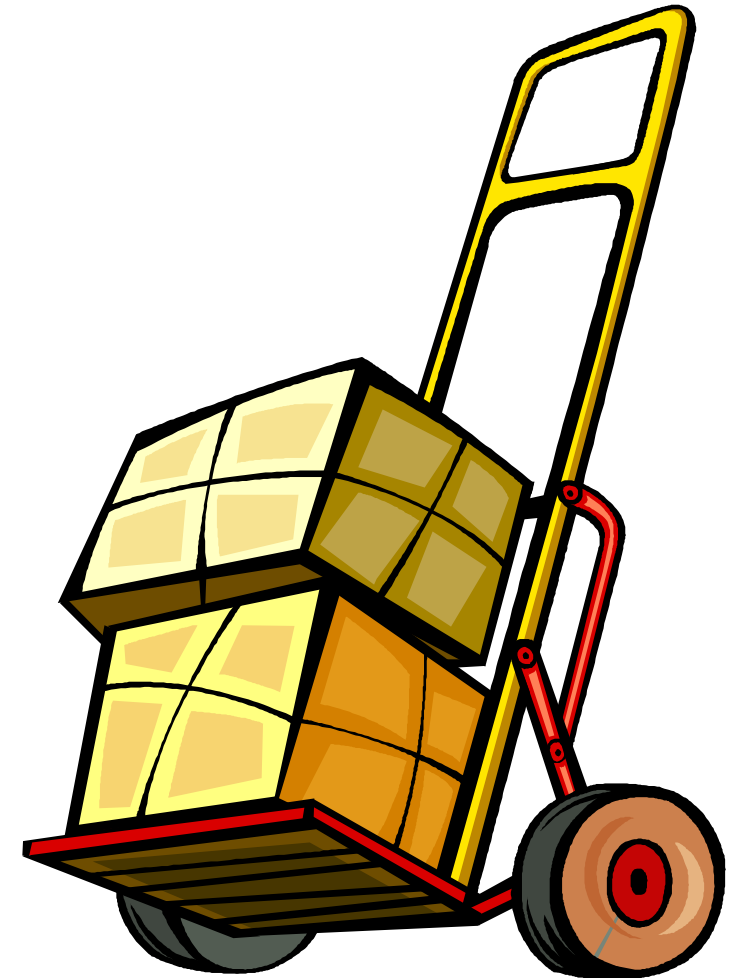
+ **Human Resources Continued**

- Benefits
- Bureau of Workers' Compensation
- Employee Assistance Program
- Employment Services
- Labor Relations
- Learning & Performance
- Recruitment

+ **Materials Management**

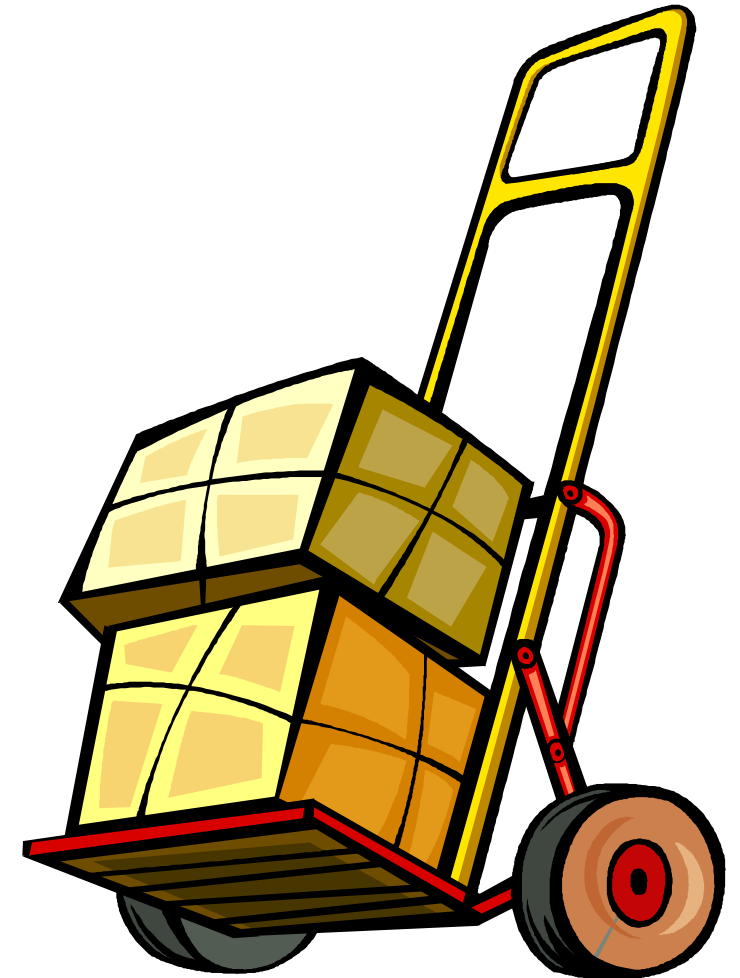
- Scan & Retrieve

- *Packing Slips (5,000 / month)*
- *Delivery Tickets (3,500 / month)*
- *Retrieve Packing Slips, Delivery Tickets, Purchase Requisitions, Invoices*



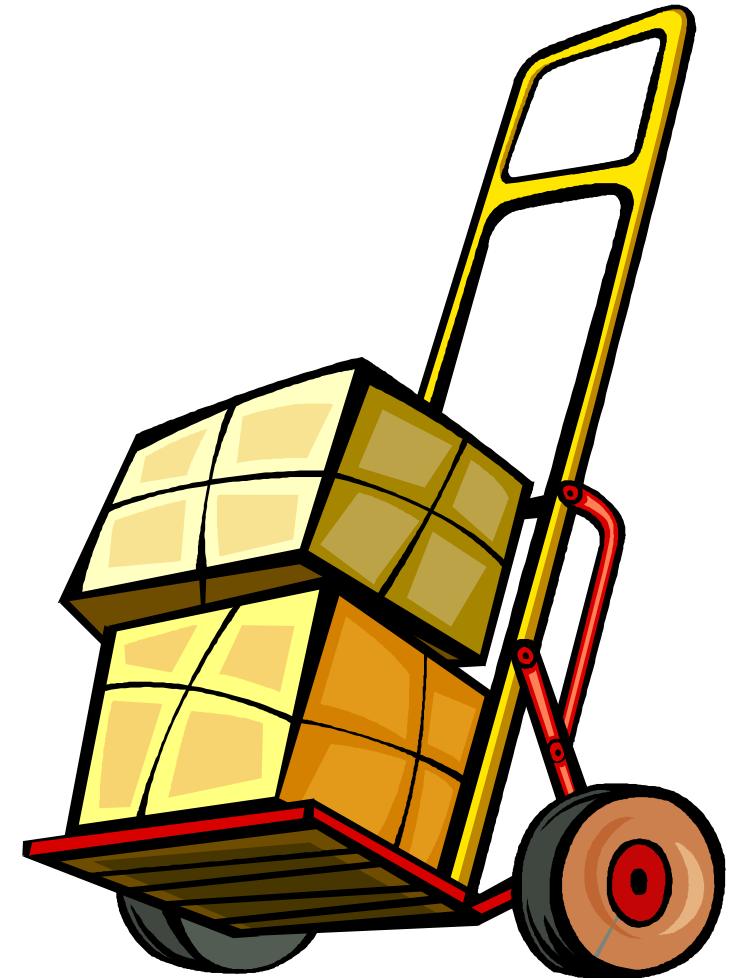
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- Create Electronically
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- Electronic Workflow
 - *E-Form Purchase Requisition Approval*



+ **Patient Financial Services**

- Scan / Import & Retrieve

- *Correspondence, Charge Entry, Cashier's Office, Remits, Patient Statements & Payments*

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- COLD (Computer Output to Laser Disk)
 - *Detail Bill, QDX Pro, Tech, & Skilled Nursing, claims, Remits*

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- EDI (Electronic Data Interchange)
 - *837 Pro & Tech Claims*

```
ISA*00*                *00*                *12*SENDERID
*14*0073268795005    *960807*1548*U*00401*000000020*0*T*>~
GS*PO*SENDERID*007326879*19960807*1548*000001*X*004010~
ST*850*000000001~
BEG*00*SA*A99999-01**19971207~
REF*VR*54321~
ITD*01*3*1.000**15**16~
DTM*002*19971219~
N1*BT*BUYSNACKS INC.*9*1223334444~
N3*P.O. BOX 0000~
N4*TEMPLE*TX*76503~
N1*ST*BUYSNACKS PORT*9*1223334445~
N3*1000 N. SAMPLE HIGHWAY~
N4*ATHENS*GA*30603~
PO1**16*CA*12.34**CB*000111111*UA*002840022222~
PID*F****CRUNCHY CHIPS LSS~
PO4*48*7.89*LB~
PO1**13*CA*12.34**CB*000555555*UA*002840033333~
PID*F****NACHO CHIPS LSS~
PO4*48*8.9*LB~
PO1**32*CA*12.34**CB*000666666*UA*002840044444~
PID*F****POTATO CHIPS~
PO4*72*6.78*LB~
PO1**51*CA*12.34**CB*000874917*UA*002840055555~
PID*F****CORN CHIPS~
PO4*48*8.9*LB~
PO1**9*CA*12.34**CB*000874958*UA*002840066666~
PID*F****BBQ CHIPS~
PO4*48*4.5*LB~
PO1**85*CA*12.34**CB*000874990*UA*002840077777~
PID*F****GREAT BIG CHIPS LSS~
PO4*48*4.56*LB~
PO1**1*CA*12.34**CB*000875088*UA*002840088888~
PID*F****MINI CHIPS LSS~
PO4*48*4.56*LB~
CTT*7~
SE*34*000000001~
GE*1*000001~
IEA*1*000000020~
```

+ **Admitting & Enrollment**

- Docs integrated with Epic
 - *Medicaid / Medicare Documents*

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- Surveys required for grants

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- Faculty paperwork and attendance records stored in OnBase
 - *Supports accreditation*

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+ **Risk Analysis & Agreements**

- Clinical Engineering, IS, and Legal
 - *Unity Forms for risk assessments*

+ Patient Registration & Access

- EMR Check-ins Create Create Patient Datasets in Front Office Scanning
- PSR / Electronic Signatures Captured and Integrated into EMR with 2 minutes



Notice of Privacy Analysis (3 Years)	
# of Covered Lives at Hospital 1	21,000
# of Covered Lives at Hospital 2	45,000
Total	66,000/100 = 660
100 Privacy Practice from Standard Register = \$10.80	\$ 7,000
	\$ 50,000

+ Health Information Management / Medical Records

- Capture, Index, & Integrate Patient Records
 - Admissions, Orders, Discharge, Deficiency Tracking
 - First public/safety-net health system to achieve Stage 7 HIMSS EMRAM for inpatient and ambulatory
- Ambulance Run Sheets & Emergency Dept
 - Capture and Index incoming Faxes within 2 minutes
- Jails & Prisons
 - Consent for Medical Treatment Forms
- Life Flight
 - Imported records from Life Flight encounters

MR - Against Medical Advice	MR - Logistics Wheelchair Request
MR - Permit for Amputation	MR - Lund Browder Chart
MR - Voluntary Psych Admission	MR - Mammography Questionnaire
HIM ROI Authorization	MR - Minimum Data Set
MR - Authorized Representative Designation	MR - MRI Patient Safety Questionnaire
MR - Checklist for Central Line Insertion	MR - MyChart Proxy Access
REG - Consent for Medical Treatment	MR - NICU Sibling Info & Parent Verification
REG - Consent for Medical Treatment	REG-Notice of Privacy Practice
MR - Permit for Photography	MR - Nursery Photography Consent
MR - Consent for Photography, Audio or Videotaping	MR - Patient Eligibility Screening Record
MR - Consent for Sterilization	MR - Patient Release for Mammograms/ Reports
MR - Consent for Tooth Extractions	MR - Permit to Perform Autopsy
MR - Dermatology Surgical Consent	MR - Personal Belonging Record
MR - Dialysis Checklist	MR - Personal Coping Plan
DNR/Full Measures	MR - Pressure Ulcer(s) Present
MR - Guide for Boarding after Discharge	MR - Release of Body and Decedent Information
Healthcare Power of Attorney	MR - Refusal of First Report Injury Form
MR - Informed Consent for Procedure	MR - Release of Valuables Consent
MR - Informed Consent for Psychiatric	MR - Request for Cash, Food, & Medical Assistance
Medica	
MR - Io	



+ **Accounts Payable**

- Email Importer
- Reporting Dashboards
- 810 Processor
- OCR
- Brainware
- Integrate with Invoice Automation

+ **Human Resource**

- Integrate with DocuSign for OnBoarding
- Document Composition
- Case Management

+ **Faculty Affairs Office**

- Document Composition

+ **Clinical**

- Medical Records Classification
- OnBase Patient Window
- BLOB Passthrough
- ImageForms
- OnBase Mobile Healthcare

SUMMARY & QUESTIONS

OnBase by Hyland is can be used across nearly every industry and every functional area, and especially for healthcare organizations. Join Cailen Myers, Senior OnBase Consultant for RPI Consultants, to learn how a health system in Northeast Ohio is using OnBase in over 20 departments.

Thank you for attending #WebinarWednesday with RPI Consultants and our 2020 OnBase Webinar Series. Find this webinar recording and all previously recorded webinars online at www.rpic.com/webinars.

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- + **OnBase Across the Healthcare Enterprise**
- + **Case Study: OnBase at Work in Healthcare**

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Learn More at
www.rpic.com/OnBase

- + **Identify Enhancement Opportunities for Current Solutions**
 - Intelligent Data Capture enabled automation
 - Automated decisions and tasks to reduce errors and delays
- + **Identify Opportunities for new Solutions & Departments**
 - Automated ancillary workflows and processes related to current solution
 - Completely new departments and workflows
- + **License and Module Inventory**
 - Understand what you're using and what you're not
 - What can you be doing with what you have already

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+ **100+ Full-time Consultants**

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- Process Analysis, System Design, Implementation
- Managed Services & Staff Augmentation
- Project & Change Management



Alliance Partner
CloudSuite™ Specialized



Hyland™

Authorised Solution Provider

Product / Vendor Partnerships

+ **Service Provider / License Reseller**

- Perceptive Content (formerly ImageNow)
- Enterprise Search
- Brainware (formerly Perceptive Intelligent Capture)
- OnBase by Hyland

+ **Industry & Solution Expertise**

- Accounts Payable & Financial Process Automation
- Human Resources / Human Capital Management
- Student Transcripts & Applications
- Healthcare, Manufacturing, Higher Education, Public Services & Government



Authorised Solution Provider

“Hyland’s content services capabilities empower organizations to build unlimited tailored solutions while also providing the ability to complement other core applications through robust integration options.”

- www.hyland.com