# Data Collection for MAX

Roy Dumlao

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# Roy Dumlao

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# Agenda

- Discussion of Max Data Collection (1 hour discussion)
- Questions and answers
- Hands on in the demo room

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# Overview

- What is Max Data collection?
- How can MDCM increase daily efficiency
- Equipment  and software needed to create barcodes
- Sample screen shots and  labels and forms
- Implementation process
- BPT Core for MAX 2018

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# What is Max Data Collection?

- MDCM is group of Max modules that allows mobile devices ( scanners/tablets/phones) to perform Max transactions via a bar code and print out labels and forms after processing the transaction.
- To the extent possible it uses MAX Update to perform transactions.
- Does not use a Max user license to perform transactions

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# What is Max Data collection?

- MDCM is a platform on which you can build your own processes
  - Perform multiple tasks with a single scan
  - Modify the sequence of tasks
  - Collect information beyond standard MAX fields

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# What is Max Data collection?

- 4 modules make up Max Data Collection
  - Shipping ( Picking and staging orders, packing lists, BOL)
  - Shop Floor ( issue and receipt components, finish goods, track location)
  - Labor ( track labor hours by employee, order, work center, overtime)
  - Inventory ( issue, receive, transfer, cycle count)

# How can MDCM increase efficiency?

- Reduce human entry errors.  A barcode scan is fast and reliable, and takes infinitely less time than entering data by hand.
- The process is real time.  No waiting for batch data entry
- Well designed transaction forms makes employee training short and simple

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# Equipment and software needed to create barcodes, scan, print

- Wireless network covering the warehouse or manufacturing plant
- Windows workstation/server that runs MDCM monitor and Tools application.

# Equipment and software needed to create barcodes, scan, print

- The application running on the scanner is a Telnet application.
- Users with scanners log into the wireless network and connect to the MDCM Monitor.
- Users transmit data from the scanners. The monitor application performs the Max transactions and triggers print out labels and forms.

# Max Data Collection

- Scanners or Wedge Devices
  - Windows CE
  - Andriod
  - Apple IOS

  - Symbol
  - Inter Mech

- Telnet application
  - Stay Link Telnet
  - Wave Telnet
  - Mocha Soft Telnet
  - Simpterm

Scanners

Telnet to connect to Monitor

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# Equipment

- Label printers
- Form printers

ZEBRA ZP505 Thermal Printer

(Image 1 of 1)

Printers

# Data Collection Forms

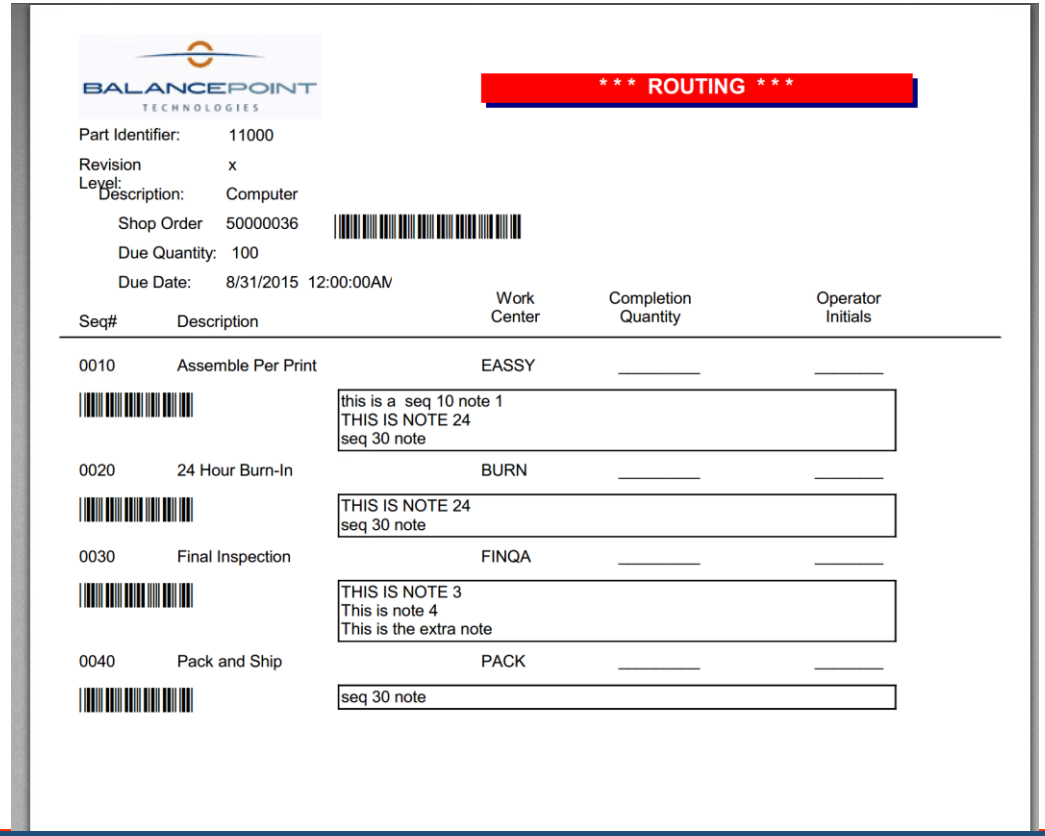
BALANCEPOINT TECHNOLOGIES

*** PICK LIST ***

Part Identifier: 11000
Revision Level: x
Description: Computer
Shop Order: 50000036
Due Quantity: 100
Due Date: 8/31/15

| Component Part | Description | UOM | Due Quantity | Stk IDs | | Pick Qty |
|---|---|---|---|---|---|---|
| 12100 | System Unit | EA | 100.00 | | | |
| 13000 | Keyboard | EA | 100.00 | MSI | 182 | |
| 13100 | Monitor, 17" Standard Res | EA | 100.00 | RMI | 462 | |
| 13990 | Box, Cardboard Shipping | EA | 100.00 | RMI | 384 | |

Picklist for Work Order



BALANCEPOINT TECHNOLOGIES

*** ROUTING ***

Part Identifier: 11000
Revision Level: x
Description: Computer
Shop Order: 50000036
Due Quantity: 100
Due Date: 8/31/2015 12:00:00AM

| Seq# | Description | Work Center | Completion Quantity | Operator Initials |
|---|---|---|---|---|
| 0010 | Assemble Per Print | EASSY | | |
| | this is a seq 10 note 1<br>THIS IS NOTE 24<br>seq 30 note | | | |
| 0020 | 24 Hour Burn-In | BURN | | |
| | THIS IS NOTE 24<br>seq 30 note | | | |
| 0030 | Final Inspection | FINQA | | |
| | THIS IS NOTE 3<br>This is note 4<br>This is the extra note | | | |
| 0040 | Pack and Ship | PACK | | |
| | seq 30 note | | | |

Shop Order Router

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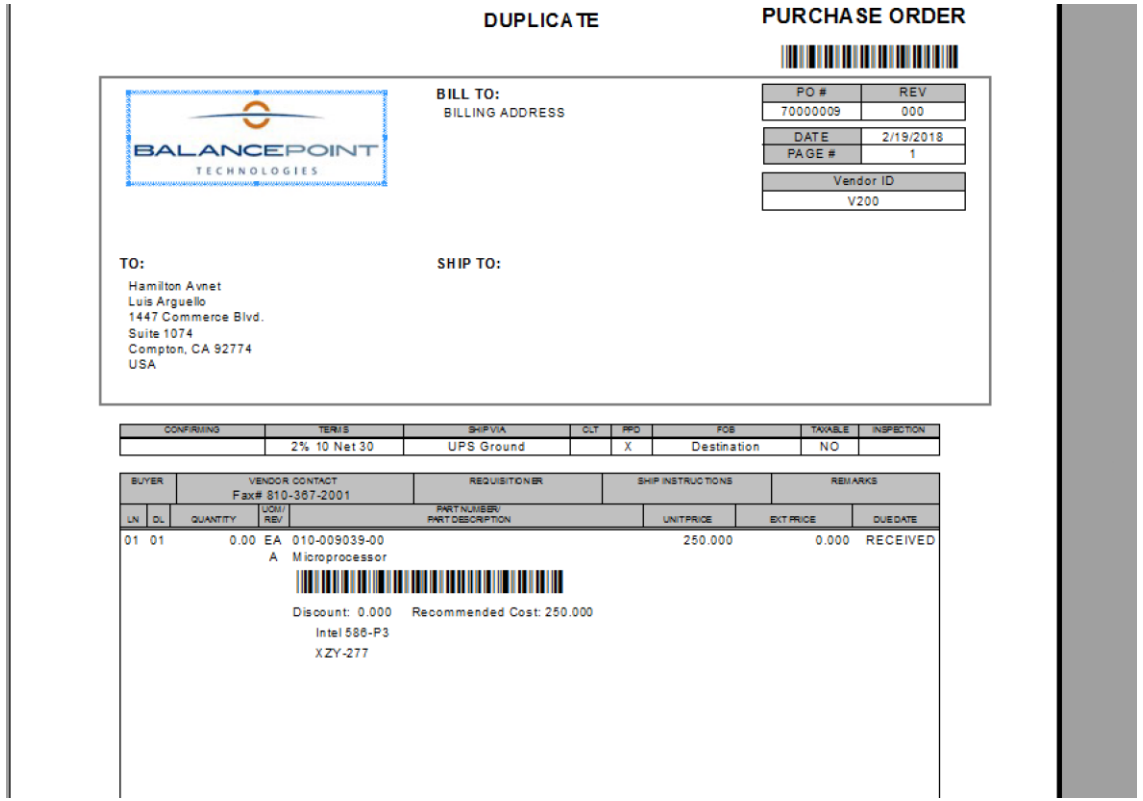
# Max Data Collection



DUPLICATE

PURCHASE ORDER

BALANCEPOINT TECHNOLOGIES

BILL TO:
BILLING ADDRESS

| PO # | REV |
|---|---|
| 70000009 | 000 |
| DATE | 2/19/2018 |
| PAGE # | 1 |

| Vendor ID |
|---|
| V200 |

TO:
Hamilton Avnet
Luis Arguello
1447 Commerce Blvd.
Suite 1074
Compton, CA 92774
USA

SHIP TO:

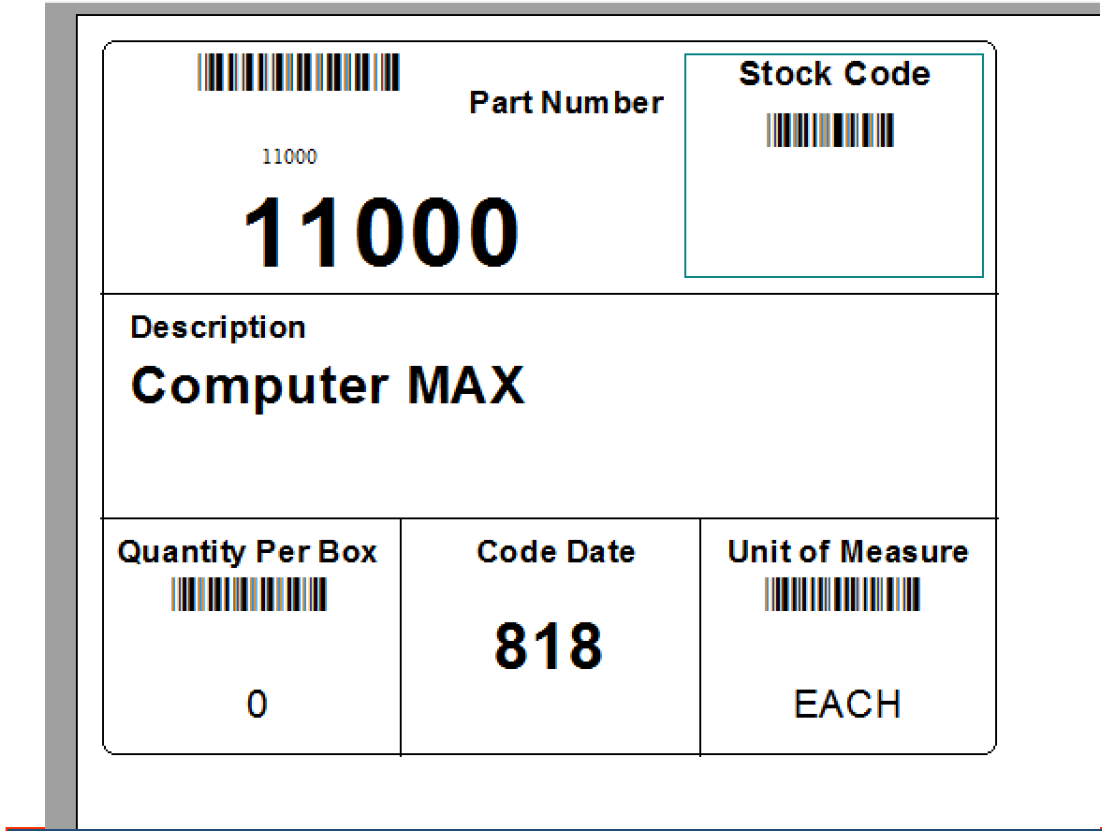
| CONFIRMING | TERMS | SHIP VIA | CLT | PPD | FOB | TAXABLE | INSPECTION |
|---|---|---|---|---|---|---|---|
| | 2% 10 Net 30 | UPS Ground | | X | Destination | NO | |

| BUYER | VENDOR CONTACT | REQUISITIONER | SHIP INSTRUCTIONS | REMARKS |
|---|---|---|---|---|
| | Fax# 810-367-2001 | | | |

| LN | DL | QUANTITY | UOM / REV | PART NUMBER / PART DESCRIPTION | UNIT PRICE | EXT PRICE | DUE DATE |
|---|---|---|---|---|---|---|---|
| 01 | 01 | 0.00 | EA<br>A | 010-009039-00<br>Microprocessor | 250.000 | 0.000 | RECEIVED |

Discount: 0.000 Recommended Cost: 250.000
Intel 586-P3
XZY-277

Purchase Order



Part Number

11000

11000

Stock Code

Description

Computer MAX

Quantity Per Box

0

Code Date

818

Unit of Measure

EACH

Pallet Label

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# MDCM Labels

Material Receiving Label

Shipping Label

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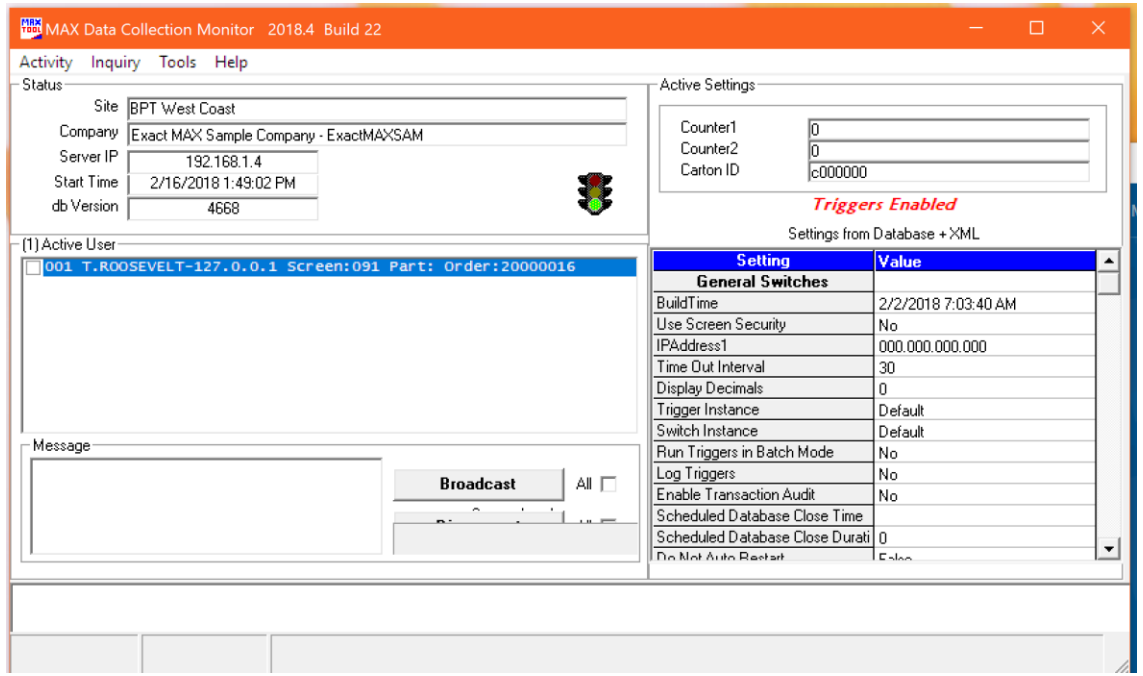
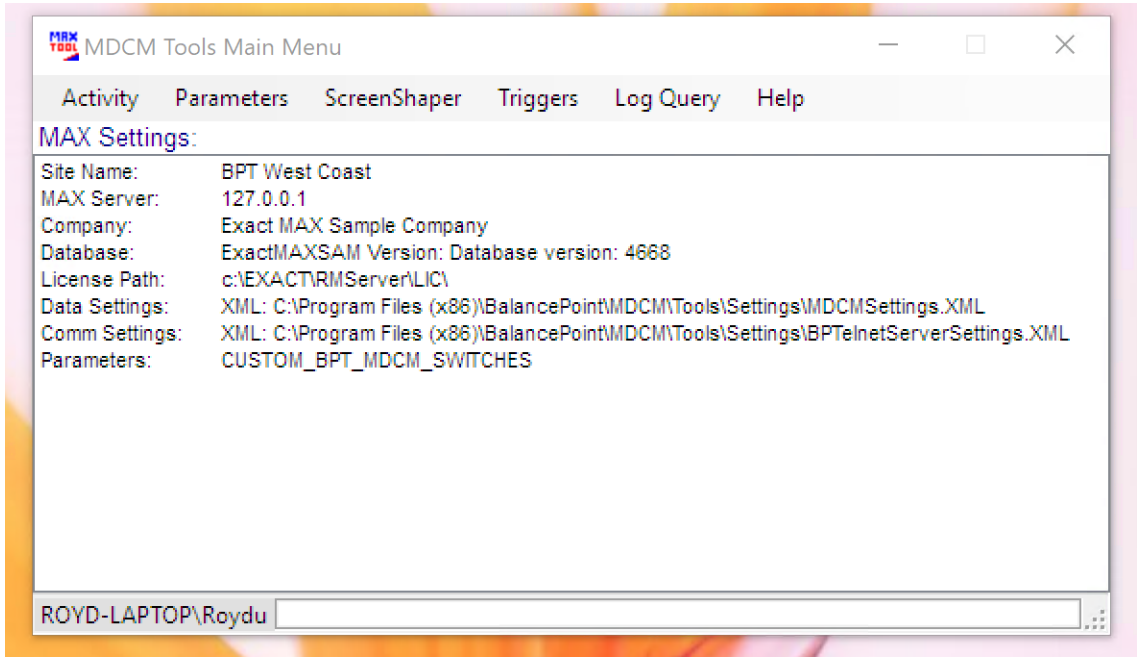
# Max Data Collection Application




Monitor

Tools

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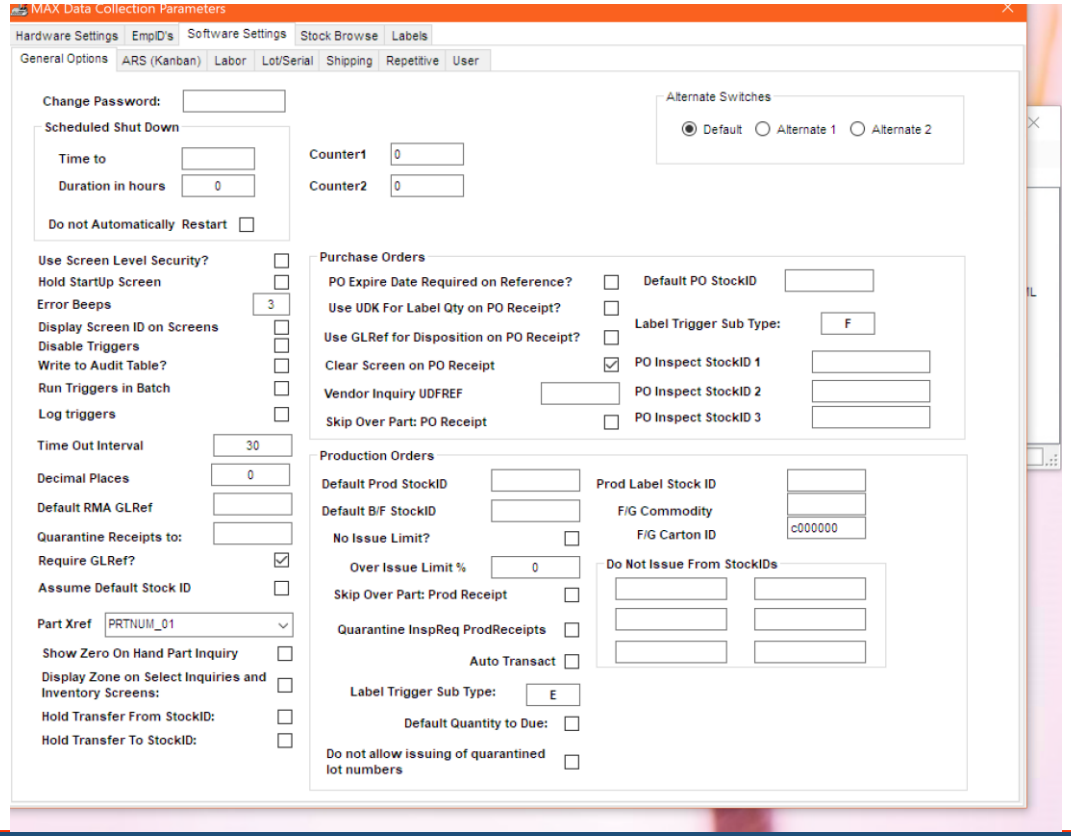
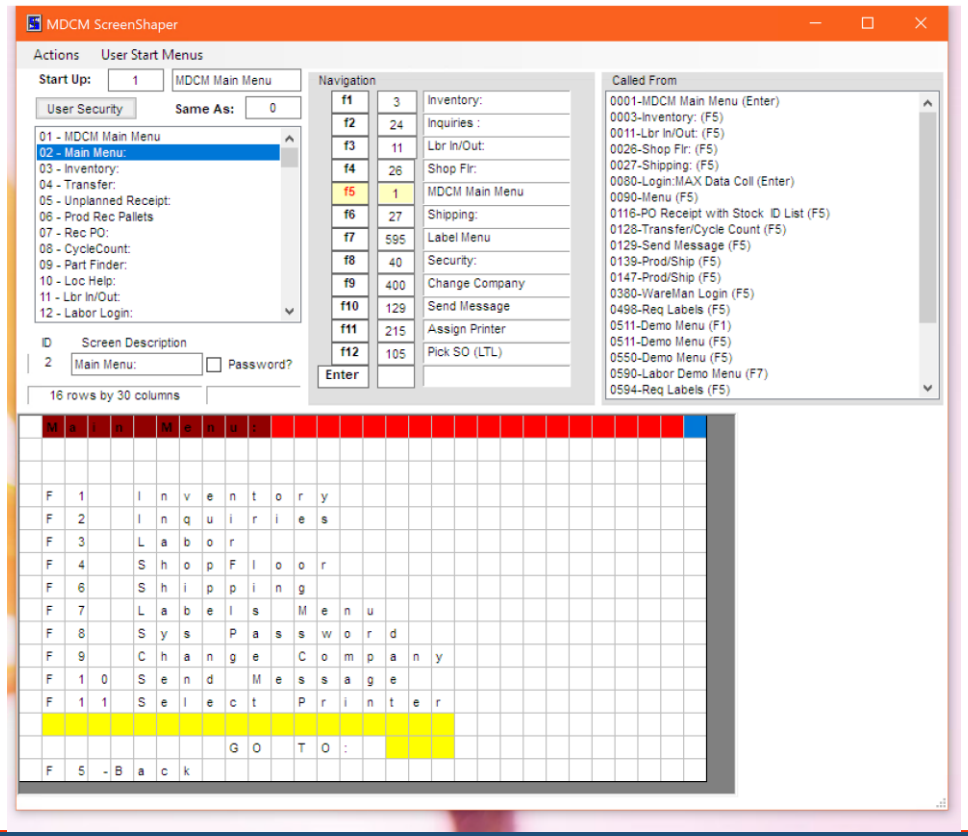
# Max Data Collection




Settings




Screen Shaper

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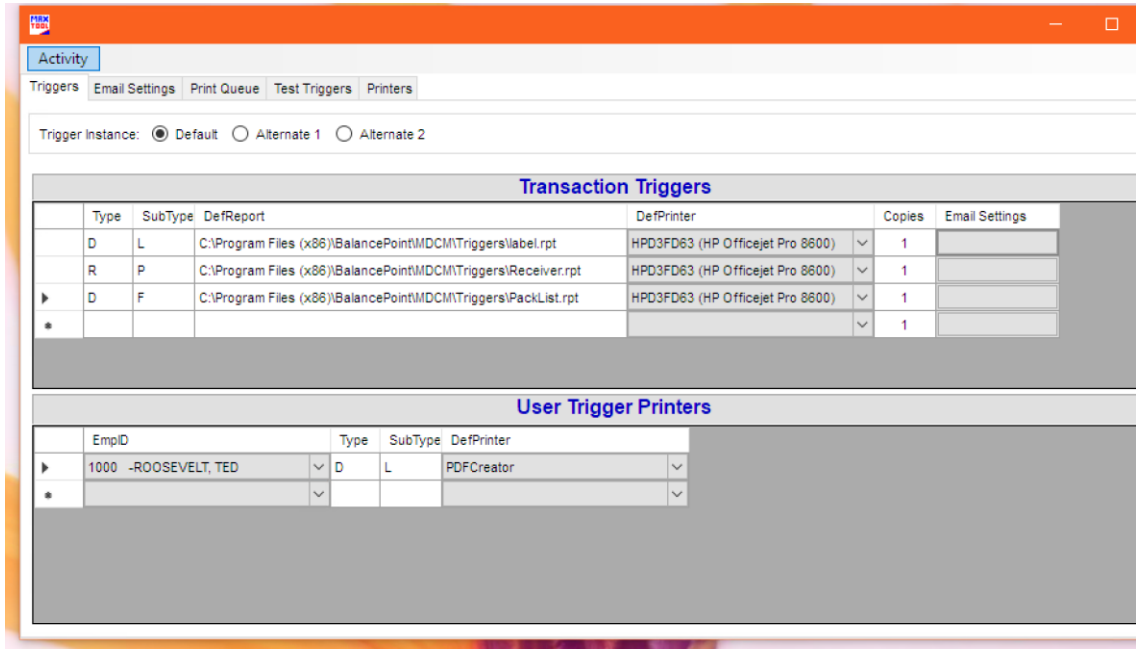
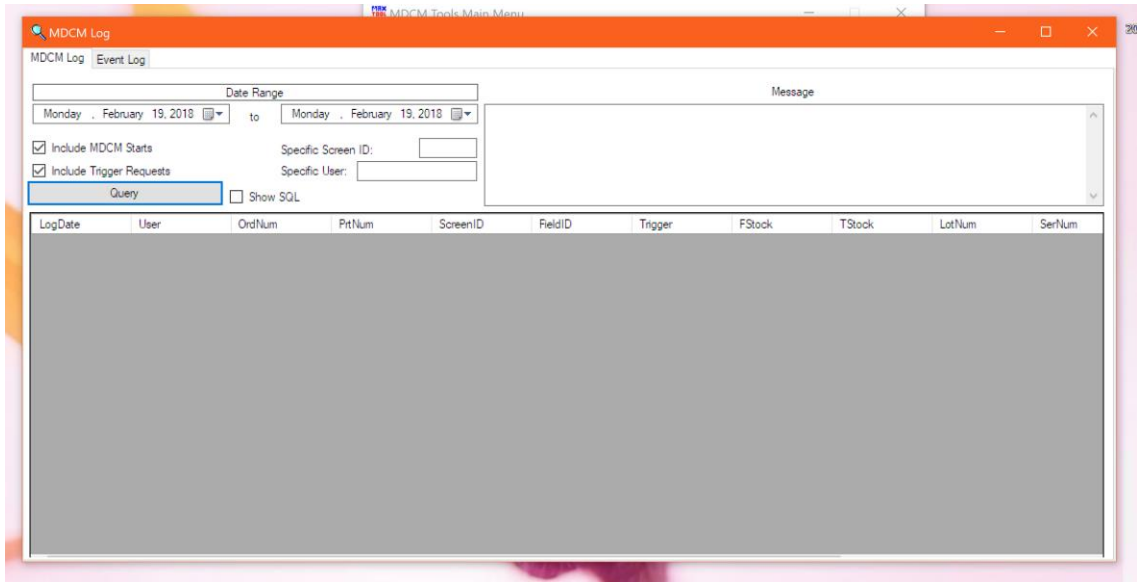
# Max Data Collection




Triggers and Reports

Logging Feature

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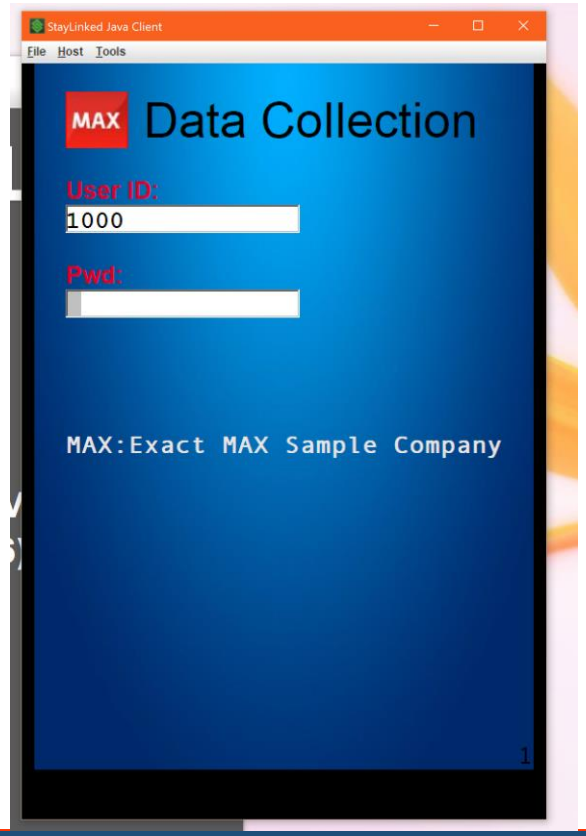
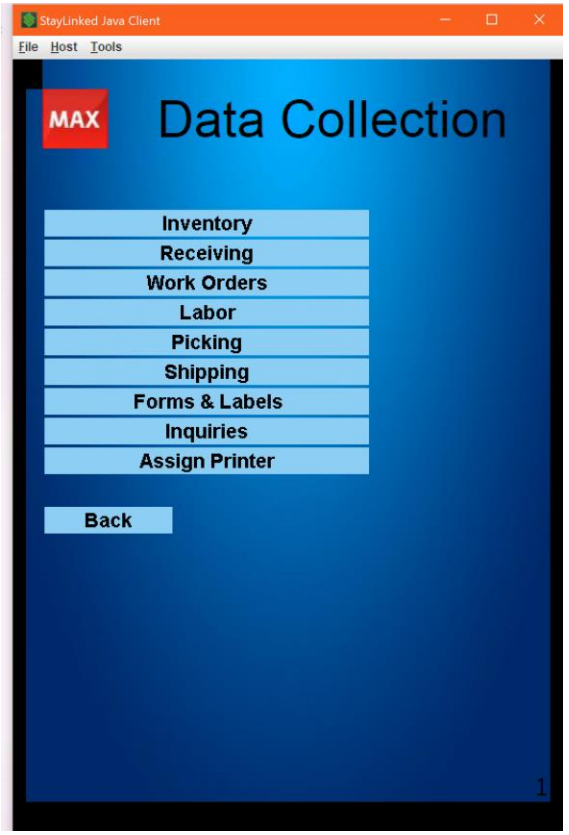
# Max Data Collection

Touch base tap spot entry




Main Login Screen




Main Menu

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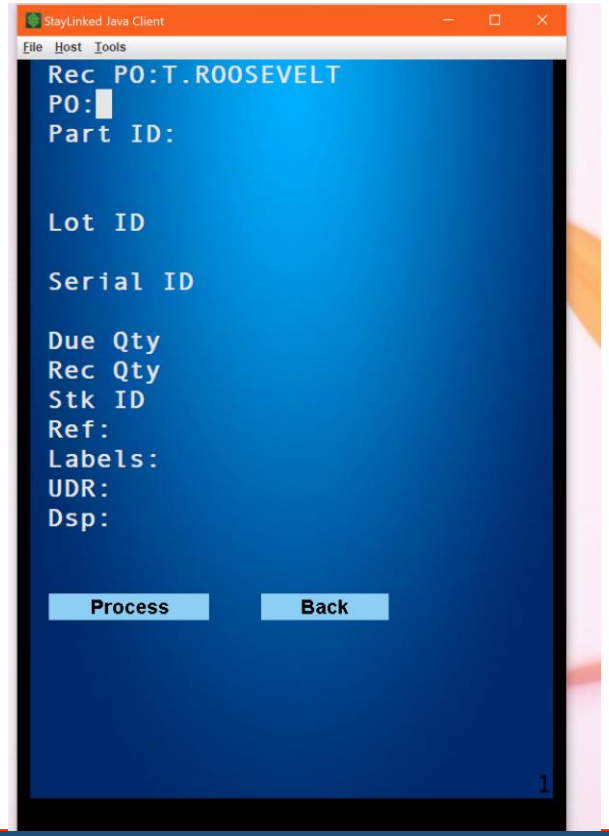
# Max Data Collection




PO Receive Screen

Pallet Pick

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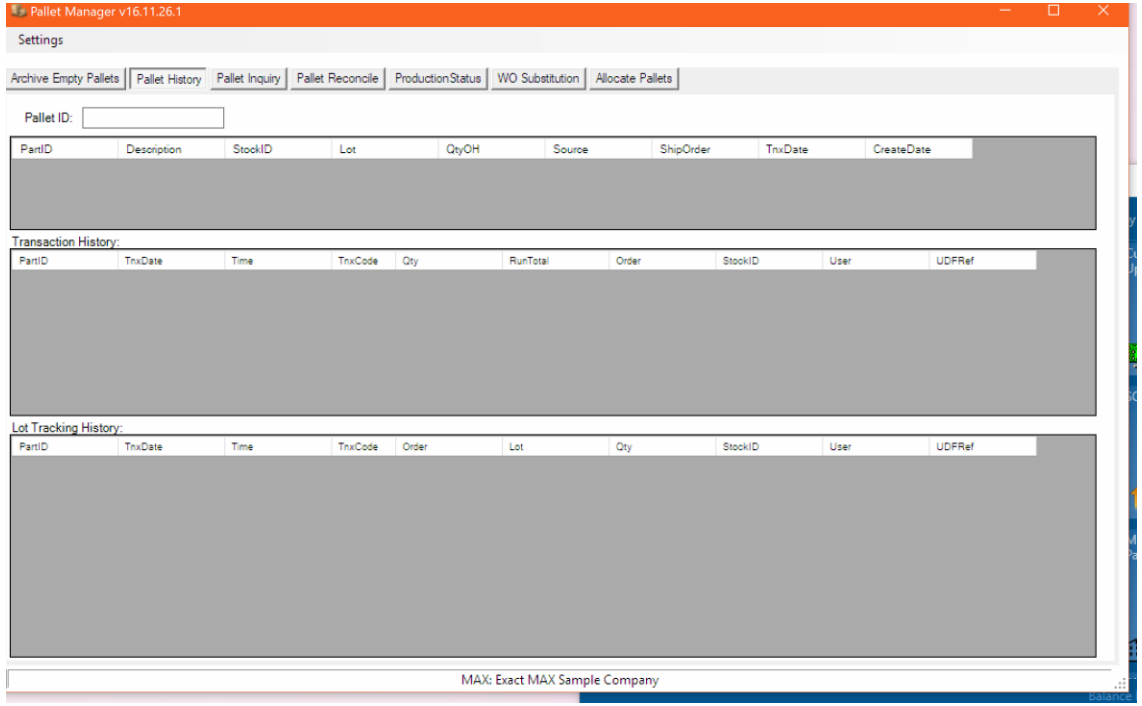
# Shipping Pallets for Shipping




Pallet Manager

# Implementation Process

- Discovery and requirements definition
- Site Tour
- Fulfillment of system requirements
- Selection of hardware
- Selection of processes to meet business needs

# Implementation Process

- Installation and Configuration
- Development of custom interface
- End user training
- Testing
- Go live

# BPT CORE

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# Quick Intro to BPT CORE

- Next generation of MDCM
- Designed for MAX 2018
- Reliable and flexible service

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# Quick Intro to BPT CORE

- Support for HTML screens
- Web based portal
- Improved exception handling and recording

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# Summary

- MDCM
- Reduce data entry time
- Increase accuracy of data entry
- Simplify user training
- Realtime data entry
- Reduce inventory costs
- Define your own processes
- BPT Core available for MAX 2018

Max Data Collection

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# More Opportunities!

- February 19th – March 31st, 2018
- Software price only.

| | |
|---|---|
| March 8 1:00 | 30 Tools in 50 Minutes |
| March 15 3:00 | Data Collection |
| April 10 11:00 | Announcing Shop Pulse VPoint—A New Graphical Production Monitoring and Scheduling Tool |
| April 19 1:00 | The Fastest and Easiest Way to Import and Maintain your MAX Data |
| | GP Features and Functions - You Already Own but Didn’ t Know About |
| | Shop Pulse |
| | GP Essential Applications Everyone Should Own Plus A Few To Meet Unique Requirements |
| | Process Automation for Materials and Manufacturing |
| | Connecting MAX to the World - Automating Sales Order Processing Functions |

Software Promotion

Educational Webinars

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# Question and Answers

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# BPT CORE

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# Quick intro to BPT CORE

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- Web based portal
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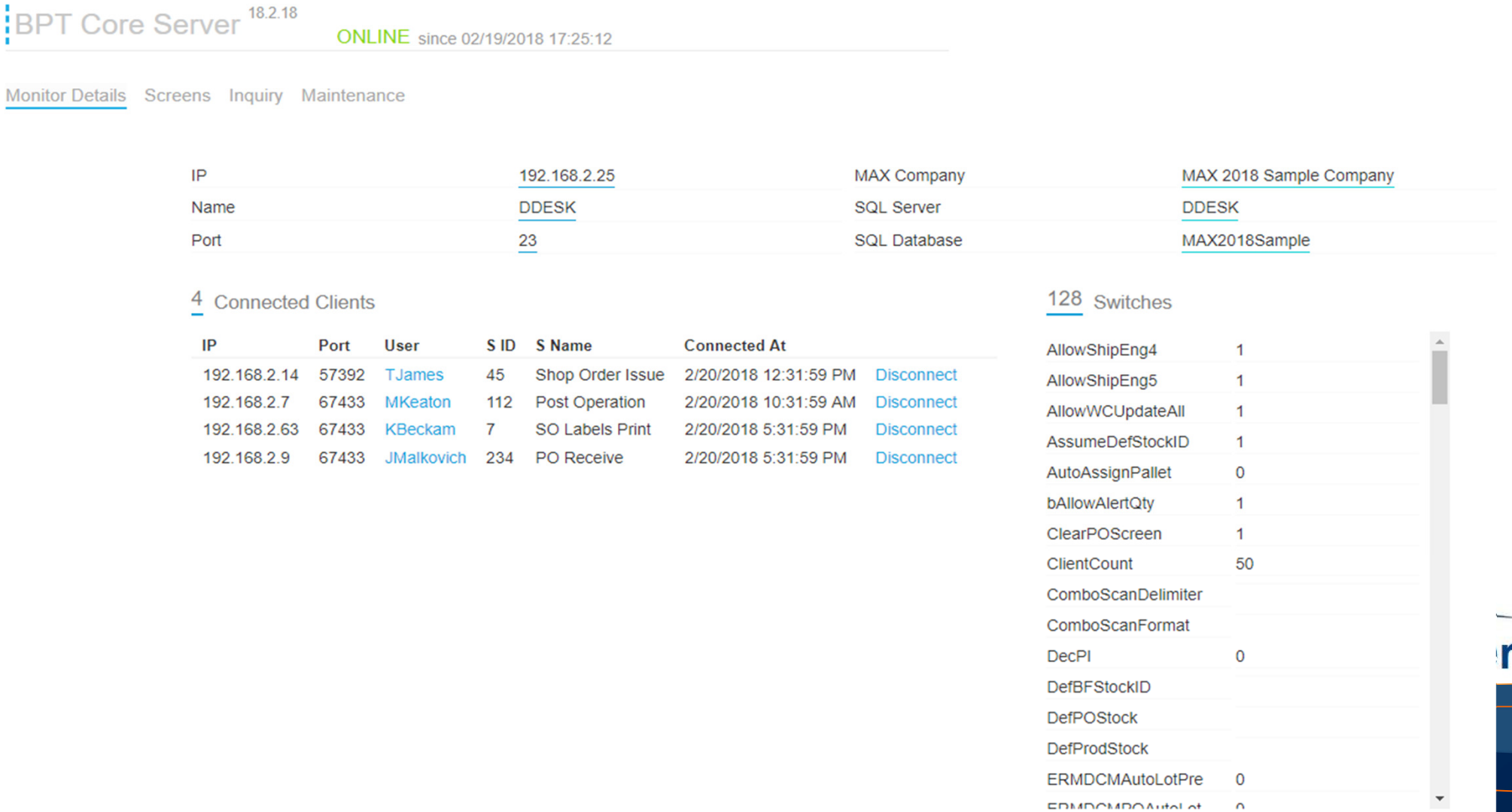
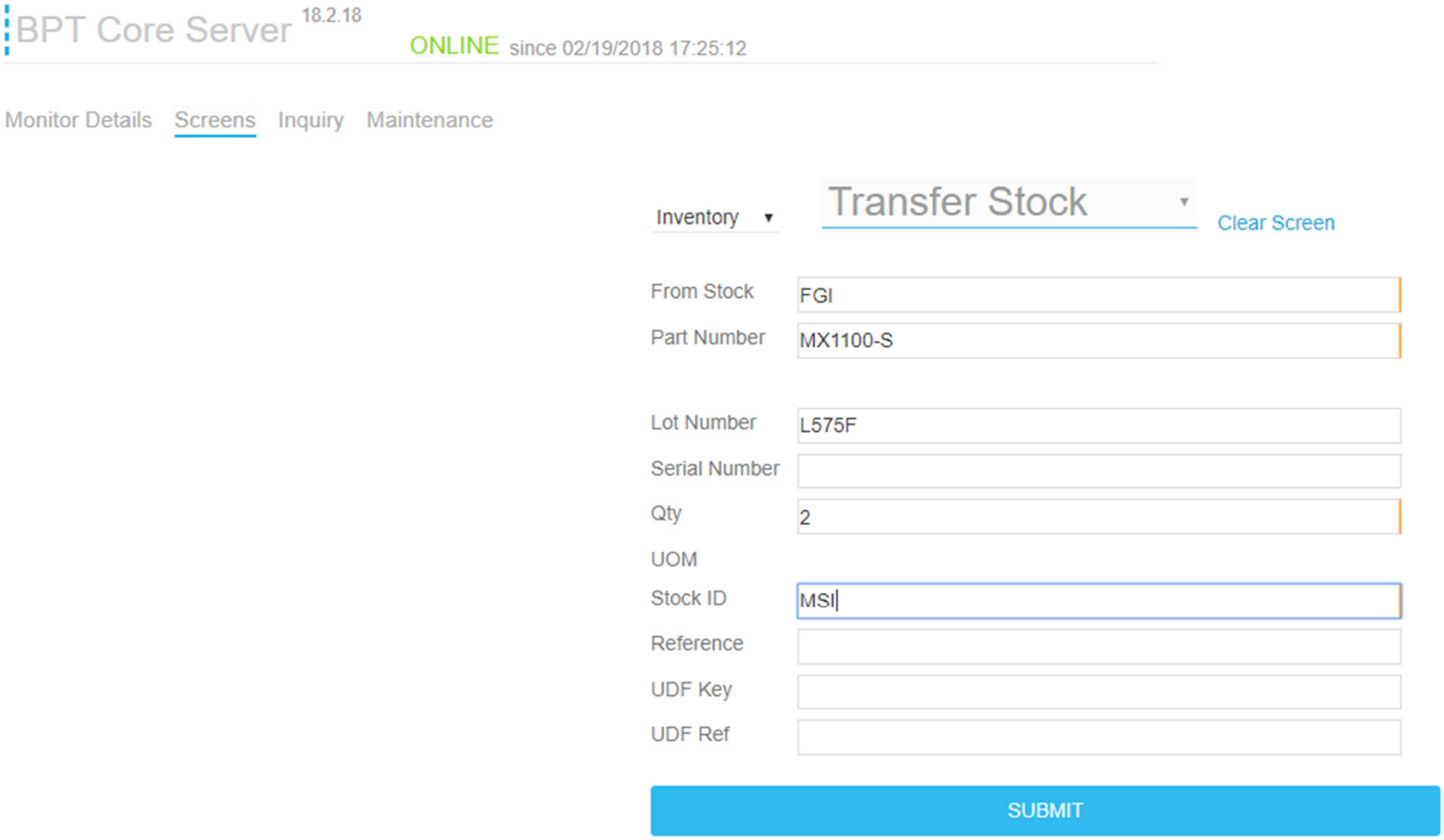
**Prototype of Monitor Feedback**



**Prototype of HTML screen**



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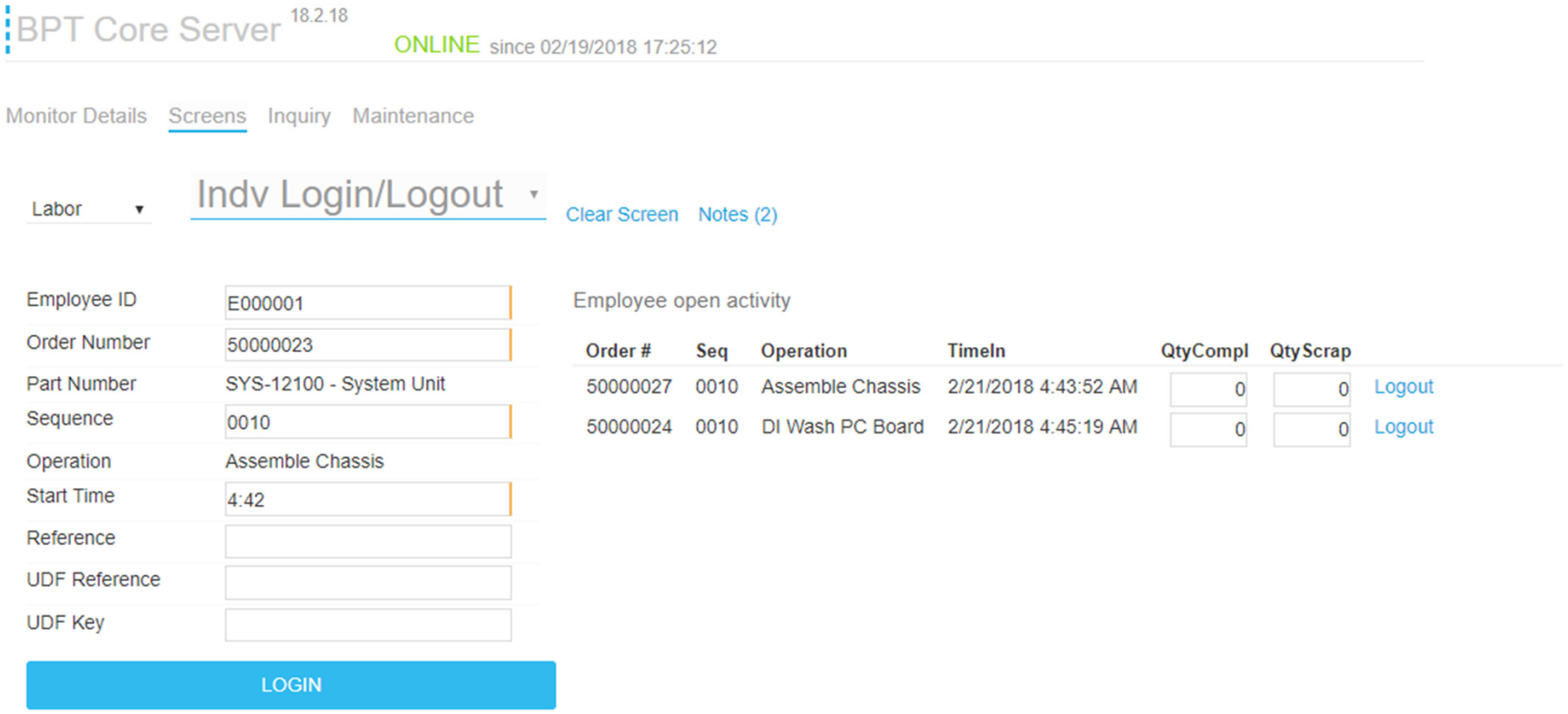
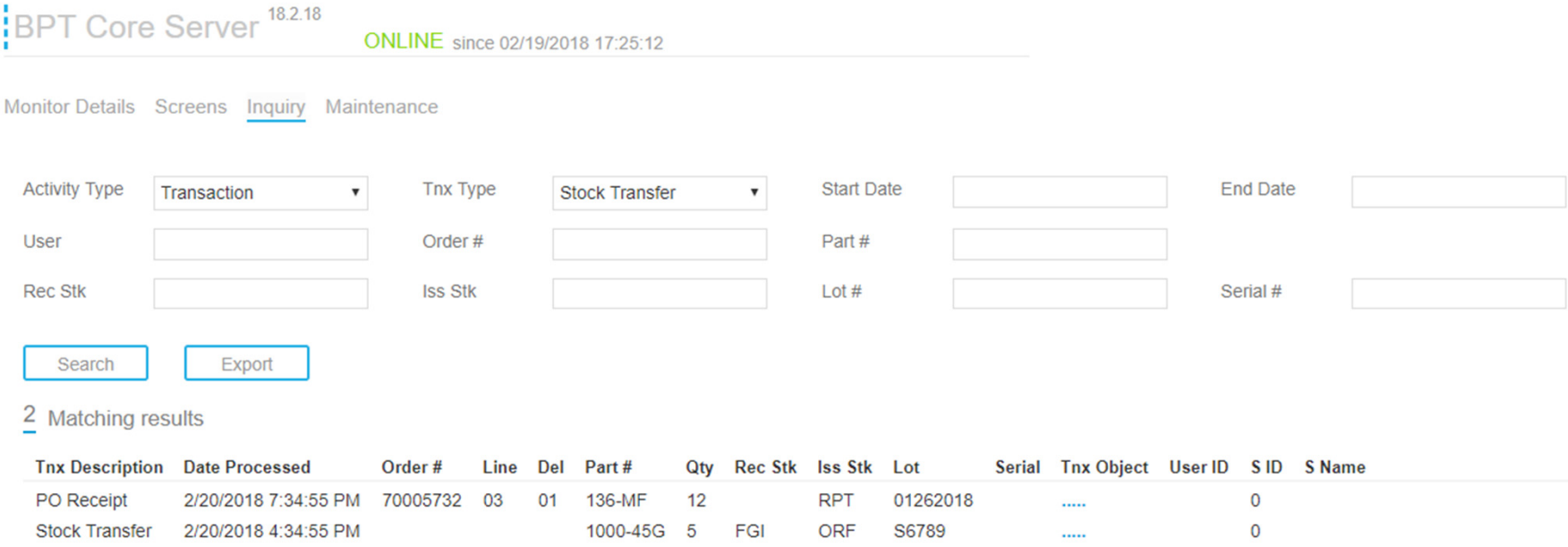


**Prototype of web inquiry screen**



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# Questions?

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