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**From:** Bratton, Edward [/O=EXCHANGELABS/OU=EXCHANGE ADMINISTRATIVE GROUP (FYDIBOHF23SPDLT)/CN=RECIPIENTS/CN=WALGREENS.ONMICROSOFT.COM-54052-BRATTON, EDWARD J. (EJB4E7BB377)]  
**Sent:** 2/26/2015 8:39:28 AM  
**To:** Jennings, David [david.jennings@walgreens.com]  
**Subject:** FW: CPO server  
**Attachments:** CPO Server RxIntegrity and Third Party.docx

**Edward Bratton**  
Manager - Pharmaceutical Integrity  
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200 Wilmot Road  
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**From:** Leners, Nick  
**Sent:** Wednesday, February 25, 2015 5:06 PM  
**To:** Bratton, Edward  
**Subject:** RE: CPO server

attached

Be Well,  
Nick Leners, CPhT  
Sr. Business Analyst, Rx Integrity  
200 Wilmot Road, MS 2170  
Deerfield, IL 60015  
p. 847-315-3488  
f. 847-315-3675

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**From:** Bratton, Edward  
**Sent:** Friday, February 20, 2015 9:16 AM  
**To:** Leners, Nick  
**Subject:** FW: CPO server

PLAINTIFFS TRIAL  
EXHIBIT  
**P-19573\_00001**

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**From:** Jennings, David  
**Sent:** Thursday, February 19, 2015 11:10 PM  
**To:** Bratton, Edward; Shope, Michael; Shrode, Bryan  
**Cc:** Polster, Natasha  
**Subject:** FW: CPO server

Bryan/ Mike/ Ed,

We need to provide IT with an inventory of all applications, tools, analyses we use the CPO server for. They continue to have concerns that we are hosting "production applications" on the CPO server, rather than a WAG1 or WAG2, IT supported server. I'm not sure if anything will ever come of this. But my thought is that if we ever have to do anything, we can eventually come up with a compromise solution where mature production apps go to an IT supported server, PSO data goes to the PSO server and we can continue to use the existing server for non-PSO development and ad hoc work. Can you each take the lead on your respective areas of responsibility please:

Bryan – Strategic Analytics and Consolidate all lists  
Mike – Quality  
Ed – Rx Integrity and if applicable, 3<sup>rd</sup> Party

Nick has most of the work completed already for the Rx Integrity piece attached.

Can you provide by Wednesday next week? Here's my thoughts on what the inventory should include. Modify the template appropriate:

Name	
Description	
Type	Tool, Report, Application, Web site, procedure, etc.
Users	Who uses this? Analytics teams only, Workforce Management, Stores, Field Leadership, CPO WFM, CPO leadership, CPO Agents, etc.

Original Data (Y/N)	Does it contain data that only exists on our server? If the CPO server blew up, would the data be gone forever because it was entered by users, or could we pull it again from EDW, POWER, STARS, etc.
Is it "production?"	Need to work through the definition, but I think it's partially defined by the users and primarily by the original data question above.
Migrating to PSO Server (Y/N)	Is it already slated to move off of the CPO server to the IT supported PSO server?
Approximately how long has it been in use (years/months)?	
Size	
Programing Language	

Thanks for your help with this.

Be Well,  
Dave

David Jennings  
Senior Director, Pharmacy Optimization and Strategic Analytics  
Pharmacy Services  
Walgreen Co.  
200 Wilmot Rd, MS#2170  
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**From:** Leners, Nick  
**Sent:** Tuesday, December 16, 2014 11:48 AM  
**To:** Jennings, David  
**Cc:** Bratton, Edward; Polster, Natasha  
**Subject:** RE: CPO server

Dave,

Attached are two documents that we have compiled previously that I updated this morning. One for websites on the RxIntegrity and PharmacyServices sites and other for tool/procedures that don't have websites attached to them. They are very high level, so let me know if you need more details about anything. In addition to all of those, we do a significant amount of AD-HOC analysis around things such as controlled substance dispensing, Inventory On Hand issues, DEA subpoenas, and controlled substance ordering patterns by connecting to EDW and MSS through the SQL server.

Be Well,  
Nick Leners, CPhT  
Sr. Business Analyst, Rx Integrity  
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**From:** Polster, Natasha  
**Sent:** Monday, December 15, 2014 11:04 AM  
**To:** Leners, Nick  
**Cc:** Bratton, Edward; Jennings, David  
**Subject:** CPO server

Nick-

Dave needs a list of all the things that we use the CPO server for. Are you able to get that info to him while Ed is on vacation?

List of applications, adhoc analysis, etc.

Be well,

Tasha Polster, RPh  
Sr. Director, Pharmaceutical Integrity | Third Party  
847 315 3379



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Name	DEA 106 Tool
Description	This tool assists stores with the completion of a DEA 106 form for their state board/local DEA office. It tracks their progress and guides them to the next required step and informs them of due dates. It also completes an electronic audit of the store's inventory. There are several pages/application that support this page, such as an email reminder queue.
Type	Tool
Users	Store supervision, store staff, corporate users
Original Data (Y/N)	N. Data is not stored electronically elsewhere, but all data is printed out by the store when submitting to the DEA, which would satisfy all legal requirements. Audit data is just an aggregate of existing EDW and SIMS data.
Is it "production?"	N. The tool exists to assist stores and allow easier tracking/auditing. It is not a required process.
Migrating to PSO Server (Y/N)	N
Approximately how long has it been in use (years/months)?	1.5 years
Size	200MB
Programing Language	.NET

Name	Ceiling Limits Tool
Description	Allows store to determine if an order that they need to place for a controlled substance would cause them to exceed their allocation or tolerance. If so, the tool directs them to the CSOKPI site to fill out a CSO override form, if not, it tells them the correct way to order the item.
Type	Tool
Users	Store supervision, store staff, corporate users
Original Data (Y/N)	N. Data is pulled from the stores AS/400 as needed
Is it "production?"	N. The tool exists to assist stores, it is not a requirement.
Migrating to PSO Server (Y/N)	N
Approximately how long has it been in use (years/months)?	2 years
Size	25MB
Programing Language	.NET

Name	Prescriber Index /Report
Description	Aggregates prescriber data from EDW to highlight prescribers which have unusual dispensing patterns. Displays a breakdown of dispensing by category.
Type	Tool/Report
Users	Corporate users
Original Data (Y/N)	N. Data is pulled from EDW.
Is it "production?"	N.
Migrating to PSO Server (Y/N)	N
Approximately how long has it been in use (years/months)?	2 years
Size	25GB
Programing Language	.NET

Name	Pharmacist Index /Report
Description	Aggregates pharmacist data from EDW to highlight pharmacists which have unusual dispensing patterns
Type	Tool/Report
Users	Corporate users
Original Data (Y/N)	N. Data is pulled from EDW.
Is it "production?"	N.
Migrating to PSO Server (Y/N)	N
Approximately how long has it been in use (years/months)?	2 years
Size	300MB
Programing Language	.NET



Name	Records Request Tool
Description	Allows store to pull common data for DEA subpoenas quickly and easily. User inputs data and the tool runs in the background. Allows faster processing of subpoenas
Type	Tool
Users	Corporate users
Original Data (Y/N)	N. Data is pulled from EDW.
Is it "production?"	N. The tool exists to assist users, but is not necessary.
Migrating to PSO Server (Y/N)	N
Approximately how long has it been in use (years/months)?	2 years
Size	300MB
Programing Language	.NET

Name	Prescriber Ticket System
Description	Allows store to report an issue with Master Prescriber to the correct group per the issue. It also walks users through common fixes. Corporate users have a queue with additional options that are not available in other ticket systems. A daily export of specific data from the ticket system is sent to HMS so that they can update their records to avoid store level issues with prescriber data.
Type	Tool
Users	Corporate users, Store users
Original Data (Y/N)	No data
Is it "production?"	N
Migrating to PSO Server (Y/N)	N
Approximately how long has it been in use (years/months)?	1 year
Size	10MB
Programing Language	.NET

Name	White-Black List Maintenance
Description	Allows corporate user to interact easily with excel sheet that feeds the MSC block system. It exists to track history/changes and accept a larger number of records than would be possible manually.
Type	Tool
Users	Corporate users
Original Data (Y/N)	N
Is it "production?"	N. Only a tool to make the process easier.
Migrating to PSO Server (Y/N)	N
Approximately how long has it been in use (years/months)?	1 year
Size	125MB
Programing Language	.NET

Name	Inventory On Hand Tool
Description	Aggregates data from MSS weekly to highlight items that store are experiencing In-Stock issue with. Shows weekly history of average days' supply for those items.
Type	Tool/Report
Users	Corporate users.
Original Data (Y/N)	No, data is pulled from MSS. Only aggregates are kept locally.
Is it "production?"	N
Migrating to PSO Server (Y/N)	N
Approximately how long has it been in use (years/months)?	1 year
Size	150MB
Programing Language	.NET

Name	Prescription Images Tool
Description	Allows user to pull thousands of prescription images at a time and prints them to PDF, rather than script by script through the Audit Board of Pharmacy Report. This is used mainly for subpoenas that require script images.
Type	Tool
Users	Corporate users.
Original Data (Y/N)	N
Is it "production?"	N
Migrating to PSO Server (Y/N)	N
Approximately how long has it been in use (years/months)?	1 year
Size	2MB
Programing Language	.NET

Name	ACAHE Tool
Description	Assist users with rebilling of ACAHE plan claims at the start of the new year. Walks the user through the proper procedures.
Type	Tool
Users	Corporate users.
Original Data (Y/N)	N, Data is pulled from EDW.
Is it "production?"	N
Migrating to PSO Server (Y/N)	N
Approximately how long has it been in use (years/months)?	1 year
Size	100MB
Programing Language	.NET

Name	GFD Opportunities Reports
Description	This report highlights stores where a coaching opportunity exists for the Good Faith Dispensing policy. A map tool also exists to highlight trends in the location of these stores.
Type	Tool
Users	Corporate users. Store Supervision.
Original Data (Y/N)	N, Data is pulled from EDW.
Is it "production?"	N
Migrating to PSO Server (Y/N)	N
Approximately how long has it been in use (years/months)?	1 year
Size	300MB
Programing Language	.NET

Name	Control Trends Reports/Item Trends
Description	These reports give an overview of controlled substance dispensing trends for store/district/market/operation/chain levels. Graphs are also available in some views to make visualization easier.
Type	Tool
Users	Corporate users. Store Supervision.
Original Data (Y/N)	N, Data is pulled from EDW.
Is it "production?"	N
Migrating to PSO Server (Y/N)	N
Approximately how long has it been in use (years/months)?	2 year
Size	6GB
Programing Language	.NET



Name	C2 Perpetual Inventory
Description	Allows electronic tracking of stores C-2 inventory to replace the paper version. Only in use in Utah
Type	Tool
Users	Corporate users. Store Supervision. Store Staff
Original Data (Y/N)	Y
Is it "production?"	Y
Migrating to PSO Server (Y/N)	N
Approximately how long has it been in use (years/months)?	1 year
Size	50MB
Programing Language	.NET

Name	Controlled Substance Annual Inventory
Description	Allows electronic tracking of stores annual controlled substance inventory.
Type	Tool
Users	Corporate users. Store Supervision. Store Staff
Original Data (Y/N)	N. Stores are required to print out all data and store in their records per state law.
Is it "production?"	Y
Migrating to PSO Server (Y/N)	N
Approximately how long has it been in use (years/months)?	1 year
Size	2.5GB
Programing Language	.NET

Name	District Risk Dashboard
Description	Displays a collection of data from various sources which would help determine which stores in a district are the "riskiest" from a GFD standpoint.
Type	Report
Users	Corporate users. Store Supervision.
Original Data (Y/N)	N. Data is pulled from various sources and kept locally as an aggregate.
Is it "production?"	N
Migrating to PSO Server (Y/N)	N
Approximately how long has it been in use (years/months)?	2 year
Size	
Programing Language	.NET

Name	OMP Report
Description	Displays a list of orders that were cut by ABCs OMP system.
Type	Report
Users	Corporate users.
Original Data (Y/N)	N. Data is pulled from ADR7. Aggregates are kept locally.
Is it "production?"	n
Migrating to PSO Server (Y/N)	N
Approximately how long has it been in use (years/months)?	6 Months
Size	75MB
Programing Language	.NET

Name	"Who can prescribe in your state?"
Description	Displays a list the prescribing authority of prescribers by prescriber type/state/Drug Class
Type	Report
Users	Corporate users. Store Staff. Store Supervision
Original Data (Y/N)	N
Is it "production?"	N.
Migrating to PSO Server (Y/N)	N
Approximately how long has it been in use (years/months)?	6 Months
Size	5MB
Programing Language	.NET

Name	Pickup ID Tool
Description	Displays pickup log information to stores when available in EDW based on input of Rx Number, Store Number and Sold Date.
Type	Tool
Users	Corporate users. Store Staff.
Original Data (Y/N)	N
Is it "production?"	N.
Migrating to PSO Server (Y/N)	N
Approximately how long has it been in use (years/months)?	1 year
Size	5MB
Programing Language	.NET

Name	DEA website Scrapper
Description	Scrapes the DEA website to validate Master Prescriber Data. Incorrect data is fed back to One Walgreens to integrate with the Master Prescriber Hub. Similar process exists for MSC exception issues, which is then fed into the excel spreadsheet that is used for that process.
Type	Tool
Users	Batch
Original Data (Y/N)	N
Is it "production?"	N
Migrating to PSO Server (Y/N)	N
Approximately how long has it been in use (years/months)?	1 year
Size	50MB
Programing Language	.NET

Name	RxIntegrity Tasks Report
Description	Internal tool that reports on internal tasks completed by RxIntegrity staff.
Type	Report
Users	Corporate users
Original Data (Y/N)	N
Is it "production?"	N.
Migrating to PSO Server (Y/N)	N
Approximately how long has it been in use (years/months)?	1 year
Size	5MB
Programing Language	.NET



Name	Invalid DEA Number Report
Description	Pulls DEA number from IC+ that are not in a valid format. The data is then reviewed corporately
Type	Stored Procedure
Users	Batch
Original Data (Y/N)	N. Pulled from EDW
Is it "production?"	N.
Migrating to PSO Server (Y/N)	N
Approximately how long has it been in use (years/months)?	1 year
Size	1MB
Programing Language	.NET

Name	Days' Supply Fact Table for Automation
Description	Creates FTP file that contains common drug/plan/quantity/days' supply combinations. This is then fed into TPR Automation.
Type	Stored Procedure
Users	Batch
Original Data (Y/N)	N. Pulled from EDW
Is it "production?"	Y
Migrating to PSO Server (Y/N)	N
Approximately how long has it been in use (years/months)?	1 year
Size	2.5GB
Programing Language	SQL Server