

**Oracle® Retail CWDirect Order Management
System**
Upgrade Installation Instructions
Release 18.0

August 2015

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Note: The rebranding for the latest version of this document is in development as part of post MICROS acquisition activities. References to former MICROS product names may exist throughout this document.

v18.0 Upgrade Installation Instructions

CWDirect 17.0 to 18.0 Upgrade - REL# 0002504 software changes from 05/20/2014 to 02/12/2015

PKMS version 19 – REL# 0002505 software changes from 05/20/2014 to 02/12/2015

The approximate time for applying this upgrade is **1 to 2 hours** depending on the amount of data that exists in your **CWDirect** libraries as well as the model number of your iSeries. Please review the enclosed documentation and these instructions prior to installing this upgrade. If you have any questions about this upgrade, please contact the Micros-retail Customer Support Team at (508) 655-7504.

CWDirect v18.0 Upgrade Prerequisites

To install this upgrade using these instructions you must be on version 17.0 of **CWDirect** and IBM operating system V5R4M0 up to V7R1M0.

Media folder CWDirect18_Upgrade from 17.0 to 18.0

To upgrade from 17.0 to 18.0, you will need to upload folder labeled CWDirect18_upgrade.

About the instructions

These instructions as well as the upgrade are organized into 4 sections:

Section A – Loading the Upgrade

This section loads the necessary information from the media folder to your iSeries, but does not execute any changes. The Aldon Receiver job, which is submitted after the load, will need to be released from the job queue. This section cannot be performed separately from the other sections, while users are still in **CWDirect**.

Section B – Applying the Upgrade

This section removes the E-Commerce triggers from the **CWDirect** environment being upgraded and updates all of the libraries with the new and changed programs, files, etc. All users must be out of **CWDirect**, and batch and ASYNC jobs cannot be running when this step is performed. MQ control jobs used for messaging (EJCT, WMJC, IJCT, WPBJ) must also be ended. Section C must immediately follow Section B. Before you apply the upgrade, Micros-retail recommends that you save the current versions of the **CWDirect** libraries to media.

Section C – Post Install Procedures

This section consists of a series of activities, including adding e-commerce triggers to the **CWDirect** environment being upgraded as well as running the conversion programs. All users must remain out of **CWDirect**, and batch and ASYNC jobs cannot be running when this step is performed.

Section D – Resubmit Jobs Function Process

This section has been provided if you want to resubmit any of the jobs submitted in Sections A - C, if any job has not been successfully submitted during the initial load of the software, or if you want to install the software to your production environment after installing to your test environment.

Important Note: If you are using Micros-retail's interim PTF library (CWMPPTF or CWMUPTF) to house deficiencies/fixes downloaded from Micros-retail, please be aware that this library must be cleared once your upgrade has successfully completed. Any daily processing should not occur until this library is cleared of objects from a previous release. Micros-retail does not maintain or monitor the contents of this library at any time. After the upgrade, you may download new objects associated with the current release from the Customer Secured Web into this library. Micros-retail recommends that you keep a record of all deficiencies/fixes downloaded and applied to your iSeries.

Special Notes:

- The **CWDirect** upgrade process manipulates the system library list by adding and removing user libraries (i.e. Aldon CMS and **CWDirect** libraries) from the user portion of the system library list. What this means to you is: if, at your site, you have maximized the number of allowed libraries in the iSeries library list, you will experience issues during the upgrade. We recommend that you remove some of the user libraries from the user portion of the library list to make room for the library manipulation until the upgrade is complete.



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Section A – Loading the Upgrade

These steps can be completed in advance of applying the program changes, and while users are still on the system.

– Pre-install Steps

sign on as QSECOFR.

CRTSAVF **TEMPLIB**/CWIINSIO

CRTSAVF **TEMPLIB**/SFO0002504

– Upload Upgrade media from Micros SFTP customer site

From SFTP folder upload media files listed to your local machine

Upgrade media –

Start_Here (contains release documents)

CWIINSIO (Upgrade utilities library)

SFO0002504 (CWDirect upgrade library)

Using FTP commands upload media files from your local PC to the i5.

From DOS command line open ftp session and set mode to **bin**

```
ftp>put c:\ftp\CWIINSIO TEMPLIB/CWIINSIO
```

```
ftp>put c:\ftp\SFO0002504 TEMPLIB/SFO0002504
```

Sign on as QSECOFR.

Restore upgrade files to build distribution libraries.

```
SBMJOB CMD(RSTLIB SAVLIB(CWIINSIO) DEV(*SAVF) SAVF(TEMPLIB/CWIINSIO)  
MBROPT(*ALL) ALWOBJDIF(*ALL) RSTLIB(CWIINSIO)) JOB(RSTI0UTL)
```

```
SBMJOB CMD(RSTLIB SAVLIB(ACMS_0504) DEV(*SAVF) SAVF(TEMPLIB/SFO0002504)  
MBROPT(*ALL) ALWOBJDIF(*ALL) RSTLIB(ACMS_0504)) JOB(RSTDST504)
```

Step 1 – Pre-install Steps



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- 1.1** **Verify** release level for current release in both your test and production environments. The value displayed should be 2492.

For the test environment, type command:

DSPDTAARA CWMUGPL/MOZARTPTF

For the production environment, type command:

DSPDTAARA CWMGPL/MOZARTPTF

If the value displayed is not a valid value in both environments, please call the Micros-retail Customer Support Team at (508) 655-7504 before proceeding.

- 1.2** Change the iSeries system value for job message queue full action to *WRAP by entering the following command:

CHGSYSVAL SYSVAL(QJOBMSGQFL) VALUE(*WRAP)

Press the <ENTER> key

Note: This value can be set back to *NOWRAP after the upgrade if you wish.

- 1.3** Change the size of the Aldon CMS receiver file by entering the following command:

CHGPF FILE(ACMSRCTL/RMTSETOBJ) SIZE(*NOMAX)

Press the <ENTER> key

Note: To view the current settings of the file, enter the following command:

DSPFD ACMSRCTL/RMTSETOBJ

- 1.4** The user profile ALDONCMS should exist on your system. If it is been deleted, create the ALDONCMS profile before starting this upgrade.

Enter the following command, which will create a temporary user profile named "ALLOBJECT".

CRTUSRPRF USRPRF(ALLOBJECT) TEXT('CWI temp profile')

Step 2 Submit Upgrade jobs

- 2.1** Edit the library list to include CWIINSI0

ADDLIB CWMUGPL

- 2.2** Enter the following command to start the upgrade

UPGRADEI0

Press the <ENTER> key

- 2.3** UPGRADEI0 command will display the '**CWDirect Release 18.0 Upgrade**' screen seen below.

```

CVR0738      ENTER      CWD 18.0 Upgrade E_ver PR      1/22/15 20:26:34

NOTE: CWDirect must be at Release 17.0 before installing this upgrade.
Select Upgrade Environment:
  Upgrade Production or Test?... . . . . I (P=Production, T=Test)

Resubmit Jobs:
  Submit Aldon CMS Receiver Job? . . . . N (Y/N)
  Submit Aldon CMS Upgrade Job? . . . . N (Y/N)
  Submit Conversion Program Job? . . . . N (Y/N)

NOTE: Jobs will be placed on hold. Please release jobs to start process.

F3=Exit without action
MA B MW A 08/045
  
```

- 2.4 Type **P** or **T** depending on whether you are installing into your production environment or a test environment. Since you are performing the initial upgrade load, answer **Y** to all **Submit** prompts on this screen. Press the <ENTER> key.

- 2.5 When the load process is complete, your screen will display a series of messages informing you that the jobs have been submitted to the job queue. To view the queue, enter the command: **WRKSBMJOB**. The following jobs will be in the queue:

Note: Release the jobs in the order in which they were submitted. However, only release job RCV0002504 at this time. All the other jobs will be on hold and **SHOULD NOT** be released at this time.

RCV0002504 will be **on hold** on the job queue waiting to be released. **Release only this job at this time.**

The following other jobs will also be on hold. **DO NOT** release them at this time.

RMV_TRGERS

REL2504. All users must be out of **CWDirect** before releasing this job. See Instructions in Section B.

ADD_TRGERS. Release only after job REL2504 as successfully completed.

POST_IJCT. See instructions in Section C.

POST_OBR SQ. See instructions in Section C.

POST_DTAAR. See instructions in Section C.

POST_JRNL. See instructions in Section C.

- 2.6 Perform the following steps to check the completion of the CMS Receiver job RCV0002504:

Enter **WRKSBMJOB** at a command line. Press the <ENTER> key

Locate the **RCV0002504** job in the job queue and enter subfile option 8 to display the spool files for this job. Press the <ENTER> key.



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Locate the **PRTFRCVDST** spool file and enter subfile option 5 to display. Press the <ENTER> key.

Enter a "B" in the control field, which will position you to the bottom of the report. Press the <ENTER> key.

Verify that the install has completed successfully. The last line on the report will indicate if a successful completion occurred. (i.e. 'RMT9923 0 Program ARMTRCVDST completed successfully. The highest RMTnnnn message severity received was 0.')

Note: If the load was not successful, please call the Micros-retail Customer Support Team at (508) 655-7504 before proceeding.

Section B – Applying the Upgrade

Step 3 – Running job REL2504

When applying the upgrade:

- ☐ All users must be out of **CWDirect**
- ☐ **CWDirect** batch jobs cannot be running
- ☐ ASYNC jobs cannot be running
- ☐ MQ control jobs cannot be running

We recommend that you save the current version of the **CWDirect** libraries to media before applying this upgrade. Please contact your system administrator if you are unsure of the backup procedures for your system.

3.0 Sign on as QSECOFR.

3.1 Release **RMV_TRGERS** job (it should process with no job log.)

3.2 Locate and release the job **REL2504**. This job will run approximately 1 – 2 hours.

If you choose to upgrade your production environment by typing a 'P' on the '**CWDirect Release 18.0 Upgrade**' screen earlier, **REL2504** uses a destination target of BASEG0PROD, which will upgrade libraries CWMPDTA, CWMPPGM and CWMPGPL.

If you choose to upgrade your test environment by typing a 'T' on the '**CWDirect Release 18.0 Upgrade**' screen earlier, **REL2504** uses a destination target of BASEG0TEST, which will upgrade libraries CWMUDTA, CWMUPGM and CWMUGPL.

3.3 When the job has finished running, perform the following steps to check the completion and success of the **CWDirect** upgrade installation for **REL2504**:

Enter **WRKSBMJOB** at a command line. Press the <ENTER> key

Locate the **REL2504** and enter subfile option 8 to display the spool files for this job.
Press the <ENTER> key

Locate the **PRTFINS DST** spool file and enter subfile option 5 to display the spool file.
Press the <ENTER> key

Enter a "B" in the control field, which will position you to the bottom of the report. Press the <ENTER> key



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Verify that the install completed successfully. The last line on the report will indicate if successful completion occurred.

Note: If an error condition other than RMT9923 exists, please contact the Micros-retail customer support team for assistance before proceeding.

Note: RMT9912 condition usually indicates that the installation/upgrade has completed successfully with severity 10 or 20 error(s). Please review the spool file PRTFINS DST to determine the cause and contact the Micros-retail customer support team for assistance before proceeding.

- 3.4** Job **ADD_TRGERS** will be **on hold** on the job queue waiting to be released. Release only after job **REL2504** as successfully completed.
- 3.5** Also included with your **CWDirect v18.0** shipment is a CD labeled **CWDirect Java Components**. This CD should be installed at this time prior to accessing the CWDirect environment. Please print and follow the instructions in the **START HERE** folder.

Section C – Post Installation

Step 4 – Post-Install Procedures

- 4.0** If you have received unique modifications from Micros-retail to accompany this upgrade, install these unique changes now. Please refer to any installation instructions that you may have received for applying the unique changes.
- 4.1** **SPECIAL NOTE:** For users who do not access **CWDirect** directly upon sign-on to the iSeries, verify the existence of the library list data area (CWMLIBLIST) in the system library QGPL and make the appropriate updates.

Step 5 – Post-Installation Conversion programs

The conversion programs associated with this upgrade were submitted on hold during the load process. Below is a description of the conversions. Please review the information below and then release the jobs.

5.0 Conversion Program 1 – POST_IJCT (CVX0684)

Non-company specific conversion program that:

Updates the IJCT trigger rule and XML inclusion files without removing any records currently in these files.

Update data area counter 2 – POST_OBRSQ (CVR0737)

Non-company specific update program that:

Init Order Broker Seq#, for the **CWDirect** version you have most recently installed.



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Update data area Program 3 – POST_DTAAR

Non-company specific update program that:

Updates the release level in a data area to identify the **CWDirect** version you have most recently installed.

Start Journals Program 4 – POST_JRNL

Non-company specific update program that:

Starts journaling of new and updated files delivered in this release of **CWDirect** version you have most recently installed.

- 5.1** Locate and release the job **POST_IJCT**. This job will run in less than 1 minute.
If the job is successful it will disappear from the job queue. If it is not successful you will need to display the job log to determine the problem.
- 5.2** Locate and release the job **POST_OBR SQ**. This job will run in less than 1 minute.
If the job is successful it will disappear from the job queue. If it is not successful you will need to display the job log to determine the problem.
- 5.3** Locate and release the job **POST_DTAAR**. This job will run in less than 1 minute.
If the job is successful it will disappear from the job queue. If it is not successful you will need to display the job log to determine the problem.
- 5.4** Locate and release the job **POST_JRNL**. This job will run in less than 15 minute.
Required steps before releasing this job –
Access **CWDirect** then F14 to get to a command line.
Release the **POST_JRNL** job.

Note: This step will correctly set your library list in order for this job that automatically runs the STARTMJRN command automatically.

If the job is successful it will disappear from the job queue. If it is not successful you will need to display the job log to determine the problem.

Step 6 - Environment Updates

The environment update portion of this upgrade consists of setting up new SCVs and secured features, as well as general environment maintenance. Please note the steps below:



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- 6.1 You can now set up the SCVs for each company. Please refer to the **CWDirect** upgrade documentation for a description of the new SCVs. The **CWDirect** fast paths to create new SCVs is:

NSCV - Create new system control values

NSEC – Create new secured feature values

- 6.2 Clear the e-commerce staging library to accept the new schema changes by performing the following steps.

Identify the name of your staging library. This is found in the *E-Commerce Staging Library* (G56) system control value.

Clear the library by entering the following command:

CLRLIB LIB(XXX)

Where XXX is the library name in system control value G56.

- 6.3 Please check the customer secured web for any deficiency ALERTs that may have surfaced since the release of **CWDirect 18.0 Upgrade**. These alerts must be applied to the PTF library (CWMPTF for production or CWMUPTF for test) once the upgrade has been successfully completed and you have removed any objects in the PTF library that existed from a previous release.

To access the Micros-retail customer web go to www.Micros-retail.com and select “client login”. You will be prompted for an id and password. If you do not know your id and password, please contact Customer Support at (508) 655-7504.

- 6.4 **New menu options:** None for this release

- 6.5 Once the installation is complete and you have verified that the release has been installed into your production environment, you can delete the Aldon ACMS distribution libraries by entering the following commands.

DLTLIB ACMS_O504 Press the <ENTER> key

DLTLIB CWINSI0 Press the <ENTER> key

Note: If you are installing this release into your test environment and will be installing it into your production environment at a later time, you have the option to leave these libraries on your system or delete them. If you have enough disk space, you should leave these libraries on your system and use the **Resubmit Job** function, described in Section D, when you install the release into your production environment. If you do not have enough disk space, you can delete the libraries listed above; however, the **Resubmit Job** function will not work and you will need to perform the entire installation process again when loading the release into your production environment.

If you have any problems loading or applying this upgrade, please call the Micros-retail Customer Support Team at (508) 655-7504.



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Section D - Resubmit Jobs Function Process

Release 17.0 to 18.0 Upgrade

A resubmit job function has been provided for this Release Upgrade for the following reasons:

- ❑ If for any reason any of the jobs submitted during the initial load of the software fails and needs to be restarted, use the resubmit function to restart.
- ❑ If you are applying this upgrade to your **Test** environment first and will later apply it to your **Production** environment, use the resubmit function to submit the jobs for the production environment upgrade.
- ❑ Do not submit the jobs before all users are logged off in preparation for the upgrade.

To resubmit jobs: add the **CWDirect - Install Utilities v18.0** library (**CWIINSI0**) to your library list and then type **RSBMIO** at a command line.

1. Based on the selection made from the **CWDirect Release 18.0 Upgrade** screen, one job or a series of jobs will be resubmitted.

Install in Production or Test - Select (T = Test or P = Production)

```
CVR0738  ENTER          CWD 18.0 Upgrade E_ver PR          27/18/15 10:

NOTE: CWDirect must be at Release 17.0 before installing this upgrade.

Select Upgrade Environment:

  Upgrade Production or Test? . . . . .  I  (P=Production, T=Test)

Resubmit Jobs:

  Submit Aldon CMS Receiver Job? . . . .  N  (Y/N)
  Submit Aldon CMS Upgrade Job? . . . .  N  (Y/N)
  Submit Conversion Program Job? . . . .  N  (Y/N)

NOTE: Jobs will be placed on hold. Please release jobs to start process.

F3=Exit without action
```

1. **Submit Aldon CMS Receiver Job?**

- 2 Type Y if you need to resubmit the Receiver Job; otherwise, the default is N.

Note: This job needs to run only once at the time of loading the software. If you are upgrading into a **Test** environment before applying this release upgrade to **Production** it does not need to run for each upgrade. You will not need to resubmit this job unless an error occurs the first time it is run.



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Press the <ENTER> key.

You will receive the message 'Job RCV0002504 submitted to jobq'.

Job **RCV0002504** will be on hold on the job queue waiting to be released. To view the queue, enter the command: **WRKSBJOB**. You can release the job at this time.

To learn how to check the completion of the **RCV0002504** job, refer to step 2.7 in Section A of this document.

1. Submit Aldon CMS Upgrade Job?

3

Type **Y** if you need to resubmit the Installation Job; otherwise, the default is **N**.

Press the <ENTER> key.

You will receive the message 'Job REL2504 submitted to jobq'.

Job **RMV_TRGERS** and **REL2504**, and **ADD_TRGERS** will be **on hold** on the job queue waiting to be released when you are ready to apply the upgrade. **ADD_TRGERS**. Release only after job REL2504 as successfully completed. See Instructions step 3.1 & 3.2 in Section B.

1. Submit Conversion Program Job?

4

Type **Y** if you need to resubmit the Conversion Program Job; otherwise, the default is **N**.

You will receive the message 'Post Upgrade Jobs have been resubmitted'.

Note: Release post jobs in the order in which they were submitted only. Please refer back to Section C – Post Installation for complete install instructions.

The following jobs will be submitted when responding 'Y' to this field.

ADD_TRGERS. Release only after job REL2504 as successfully completed.

POST_IJCT. See instructions in Section C.

POST_OBR SQ. See instructions in Section C.

POST_DTAAR. See instructions in Section C.

POST_JRNL. See instructions in Section C.

If you have any questions concerning the installation of this interface please contact the Micros-retail Customer Support Team at (508) 655-7504.



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PKMS Version 19 or Higher Interface Upgrade

If you are using version 19 or higher of the PkMS warehouse management system, complete the following steps to upgrade the PkMS version 19.0 interface for release 18.0.

1.0 Sign on as QSECOFR.

– Pre-install Steps

CRTSAVF **TEMPLIB**/SFO0002505

– Upload Upgrade media from Micros SFTP customer site

From SFTP folder upload media listed to your local machine

Upgrade media –

SFO0002505 (CWDirect PKMS upgrade library)

Using FTP commands upload media from your local PC to i5.

From DOS command line open ftp session and set mode to **bin**

```
ftp>put c:\ftp\SFO0002505 TEMPLIB/SFO0002505
```

Sign on as QSECOFR.

Update your library list with ACMS receiver libraries using following commands

```
ADDLIB ACMSRCTL
```

```
ADDLIB ACMSRLIB
```

Restore upgrade files to build distribution library.

```
SBMJOB CMD(RSTLIB SAVLIB(ACMS_0505) DEV(*SAVF) SAVF(TEMPLIB/SFO0002505)  
MBROPT(*ALL) ALWOBJDIF(*ALL) RSTLIB(ACMS_0505) RSTASPDEV(*SAVASPDEV))  
JOB(RSTDST505)
```

1.2 Submit the installation to batch. Enter **one** of the following commands.

If you will be installing this upgrade to your production environment libraries CWK190PDTA, CWK190PPGM and CWK190GPL then enter the command:

```
SBMJOB CMD(ARMTINSDEST DSTNBR(0002505) DSTTGT(PKMS19PROD)) JOB(REL2505P) HOLD(*YES)
```

Press the <ENTER> key

Locate the submitted job REL2505P in the job queue and release it for processing.

or



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CWDirect 17.0 to 18.0 Upgrade - REL# 0002504 software changes from 05/20/2014 to 02/12/2015

PKMS version 19 – REL# 0002505 software changes from 05/20/2014 to 02/12/2015

If you will be installing this upgrade to your test environment libraries CWK190UDTA, CWK190UPGM and CWK190UGPL, then enter the command:

SBMJOB CMD(ARMTINSDST DSTNBR(0002505) DSTTGT(PKMS19TEST)) JOB(REL2505T) HOLD(*YES)

Press the <ENTER> key

Locate the submitted job REL2505T in the job queue and release it for processing.

Verify that this job has completed normally by entering the following commands.

1.3 WRKSBMJOB Press the <ENTER> key

Locate the REL2505 job and enter subfile option 8 to display the spool files for this job.

Press the <ENTER> key

Locate the PRTFINSDST spool file and enter subfile option to display the spool file.

Press the <ENTER> key

Enter a "B" in the control field, which will position you to the bottom of the report.

Press the <ENTER> key

Verify that the install completed successfully. The last line on the report will indicate if a successful completion occurred.

Note: If an error condition other than RMT9923 exists, please contact the Micros-retail Customer Support Team at (508) 655-7504 before proceeding.

1.4 Once the installation is complete and you have verified that the REL has been installed onto your production system, you can delete the Aldon ACMS distribution libraries by entering the following commands.

Note: If you are installing this upgrade into your test environment and will be installing this into production at a later time, then do not delete these libraries. You will need to manually submit the installation job noted in step 1 for the production environment.

DLTLIB ACMS_O505 Press the <ENTER> key

If you have any questions concerning the installation of this interface please contact the Micros-retail Customer Support Team at (508) 655-7504.