

Compliance Now

CN Server for PHP 8.2
Application Upgrade guide

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Introduction

This guide describes the procedure for upgrading the CN web server. This covers both the database upgrade and the PHP-script upgrade.

During this upgrade there are additional components that need to be installed.

Note: No upgrade of the underlying system software (OS, MySQL database server, Zend and Apache web server) is required.

Prerequisite: The server software has been upgraded to support PHP 8.2.

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Upgrade procedure

The following sections describe the step-by-step procedure to be followed when upgrading CN. All these actions are to be performed on the web server itself, either via a local console or via a remote desktop connection.

Note: A prerequisite is that the server software has been upgraded to support PHP 8.2.

Stop Apache web server

Unintended use of the CN system during the upgrade could lead to database inconsistencies. To avoid this, the Apache web server should be stopped during most of the upgrade procedure.

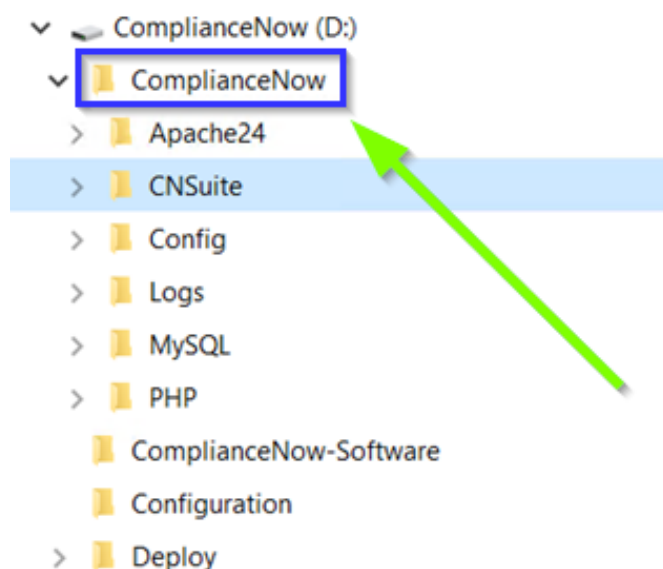
Use Control Panel → Services to stop the service (usually called *CN-Apache2.4* or *something similar*) associated with the Apache web server.

PHP scripts upgrade

Install new license file (if provided)

As part of the upgrade package, you may have received a new license file for the CN suite. Copy this to the same directory where you're existing ComplianceNow license file is located and remove the old license file.

Place the delivered license file in the directory "D:\ComplianceNow\". The file must be renamed to "CNLicense.lic"



Install new PHP application scripts

The PHP application files are the actual application executables and a primary component for the web/application server upgrade.

The application files are delivered in a zip file named as follows, where 5_2_10 refers to the application version/support package level. 15822 is the actual build number of the application files and php82 refers to the version of the PHP API that is supported.

Example:

`cns-5_2_10-15822-php82.zip`

1. Make a note of the name of the directory where the current PHP application scripts are stored (e.g. "D:\ComplianceNow\CNSuite\)
2. Rename this directory e.g., by adding ".backup" to the name
3. Create a new directory with the same name as the original (as noted in step 1)
4. Extract the contents of the new PHP Zip-file into the new directory, being careful to retain the subdirectory structure present in the archive

Maintain the “apm.ini” file

Go through the “apm.ini” file and make sure to maintain the following parameters. The values in this document are options. Make sure to choose values that correspond with your own requirements.

```
; Allocated Java memory
resources.java.memory.xmx = 10G
; Max CSV file size in Java
; Default value = 2GB
resources.java.csvlimit = 1G
; Max number of concurrent DB connections used in multithreaded execution.
; Should be lower than DB's actual thread pool, as this only refers to the multithreaded pool of connections.
; Adjusting this number both up and down can improve performance of dashboard user analysis.
; Default value = 3
resources.java.dbthreadcount = 3
```

```
; max amount of disk space to use to store reports (either <EMPTY>, K, M or G)
resources.file.report_limit = 2G
; Maximum age of files in the reports folder counted in days
resources.file.report_days = 90
; Memory threshold for report generation (defined in percentage of available memory)
resources.memory.threshold = 95
```

```
; Maximum permitted disk space usage for log files
resources.file.background_log_limit = 2G
; Maximum age of files in the log folder counted in days
resources.file.background_log_days = 90
```

```
; Determine the type of information in the BG-logs
log.background.level = 7
; Enable enhanced JSON decode logging
feature.logJsonDecode = 1
```

```
; The default language for the applications.
; Possible values = en/de/fr/da
l10n.fallback_language = en
```

```
; Enable AC org lvl analysis. Defaults to 0.
feature.orglvl_analysis = 1

; Enable about page content. Defaults to 1.
feature.aboutPageContent = 0

; Enable the UM robot detector. Specific UM dashboard will be available in Usage Monitor once this dashboard
is enabled.
;feature.um_collectHits = 1
; The minimum value of hits before Robot detector will show it
;collectHits.minThreshold = 10
```

CN Database upgrade

Create back-up

First, it is important to create a complete backup of the existing CN database. At a command prompt type:

```
mysqldump dbname -u root -p > backup-file
```

where

- 🔒 **dbname** is the name of your CN database, e.g. “**apm**”
- 🔒 **backup-file** is the name of the file which will contain the backup data

The program will prompt for the database password.

Execute DB conversion script

To upgrade the ComplianceNow database schema, open a command prompt in the folder where the application files have been unpacked and where you can find the file “cli_db_install.php”. In this instance the file is placed in “D:\ComplianceNow\CNSuite”, then type the following single command:

```
D:\ComplianceNow\PHP\php.exe -c D:\ComplianceNow\Config\php.ini  
D:\ComplianceNow\CNSuite\cli_db_install.php --action UPDATE --account <DB_SCHEMA_NAME>
```

Where <DB_SCHEMA_NAME> is replaced by the actual database name from the apm.ini file

The log is placed in the folder with the background task logs. Inspect the log file with a text editor to make sure it contains no errors. In case of errors, please provide the log file to ComplianceNow for further analysis.

Restart Apache web server

Use Control Panel -> Services to start the service associated with the Apache web server.

Verify upgrade

Verify that the upgrade was successful by:

1. Accessing the URL <http://localhost/> in the browser on the server. This should indicate the CN application version and a successful database connection.
2. Accessing transaction SM59 in your SAP system and performing a connection test on the destination APM_WEB.

Remember to update the Path Prefix of the RFC destination, so that it points to the new version of the PHP scripts.

This should indicate APM version and a successful database connection.

3. Accessing the transactions for the various applications in your SAP system
 - a. /APPLISOL/APMCOCKPIT
 - b. /APPLISOL/APMUM
 - c. /APPLISOL/AC
 - d. /APPLIAOL/IC