

ARCWAY AG

# Server Upgrade 3.5 auf 3.7 oder 3.8



English 18.12.2022

#### ARCWAY AG

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## **1** INTRODUCTION

This document describes the steps required to upgrade the server component of ARCWAY Cockpit Enterprise from version 3.5 to version 3.7 (3.8). The contents refer to the standard installation of ARCWAY Cockpit according to the Enterprise installation instructions. I.e.: The standard SQLDB is used as database and the standard *SimpleFileArchive* as file archive. If no adjustments were made during installation, this is the case.

In this case, the Cockpit installation data is located within the Tomcat webapps directory under [Tomcat Home]\webapps\CockpitServer\Data.

#### Data directory

→ 👻 🛧 📙 « Tomcat 9.0 → webapps	> CockpitServer > Data >	" < J	Data" durchsuchen	
Apache Software Foundation	^ Name	Änderungsda	atum Typ	Größe
Tomcat 9.0	archive	24.09.2020 15	:39 Dateiordner	
bin	db	25.09.2020 09	:13 Dateiordner	
conf	log	13.03.2020 09	:41 Dateiordner	
📙 lib	temp	18.03.2020 13	:56 Dateiordner	
logs				
- temp				
webapps				
CockpitLicenseServer				
CockpitServer				
CockpitServer				
📙 Data				
META-INF				
WEB-INF				
docs				
manager				
ROOT				
-				

Figure 1: Data directory

This data directory must not be deleted! It contains all productive data incl. the so-called locks, which the users occupy when they lock data against modification by other users.

This manual is an update manual. ARCWAY Cockpit is not a pure server system, but the user clients save the current changes of the users on their workstations. From time to time, the users upload these changes to the server manually



initiated. Before updating, it is recommended that the users upload their current local changes beforehand, but this is not necessary.

## 2 IMPLEMENTATION

## 2.1 Step 1: Stop the web server

The figure shows the dialogue for starting and stopping the Tomcat web server. Stop the server using this dialog.

### Stop Webserver

🍗 Apac	he Tomca	t 9.0 Prop	erties				×
General	Log On	Logging	Java	Startup	Shutdown		
Servio	e Name:	Tomcat	9				
Displa	y name:	Apach	e Tomca	t 9.0			
Descri	Description: Apache Tomcat 9.0.26 Server - https://tomcat.apache						
Path t	to executa	ble:					
"C:\F	Program Fil	es\Apache	Softwa	re Founda	tion\Tomcat	9.0\bin\Tomcat	9.
Startu	Startup type: Manual V					~	
Servio	Service Status: Started				_		
	Start	S	top	P	ause	Restart	11
				ОК	Abbreche	Übernel	hmen

Figure 2: Stop Webserver

## 2.2 Step 2: Adjust version number at CockpitServer

In the CockpitServer\WEB-INF folder, the version number 3.5 must be changed to

3.7 (3.8) in



#### web.xml.

To do this, open the specified directory in the file explorer and then the **web.xml** file with a text editor. There change the version number 3.5 to 3.7 (3.8) and save the file.

#### **WEB-INF Directory**

📕   💆 📑 =   WEB-INF		– 🗆 X
Datei Start Freigeben Ansicht		~ 😮
$\leftarrow$ $\rightarrow$ $\checkmark$ $\uparrow$ $\bullet$ Tomcat 9.0 $\Rightarrow$ webapps $\Rightarrow$	CockpitServer > WEB-INF ~	رگ (WEB-IN
CockpitServer	^ Name	Änderungsdatum
CockpitServer	classes	12.03.2020 15:01
Data	lib	17.09.2020 09:55
META-INF	📔 web.xml	14.10.2020 11:29
docs		
3 Elemente 1 Element ausgewählt (15,1 KB)	Y X	

Figure 3: WEB-INF Directory

```
<?xml version="1.0" encoding="UTF-8"?>
<!DOCTYPE web-app
PUBLIC "-//Sun Microsystems, Inc.//DTD Web Application 2.3//EN"
    "http://java.sun.com/dtd/web-app_2_3.dtd">
    <!-- The ARCWAY COCKPIT web-application -->
    <web-app>
    <!-- A descriptive name for administrative tasks-->
    <display-name>
    ARCWAY COCKPIT 3.8 Server
    </display-name>
    ...
</web-app>
```

## 2.3 Step 3: Delete CockpitBaseServer\_3.5.0.jar

In the folder CockpitServer\WEB-INF\lib, the file CockpitBaseServer\_3.5.0.jar must be deleted.

Open the corresponding directory and delete the file.



Datei Start Freigeben Ansicht							
$ ightarrow$ $ ightarrow$ Tomcat 9.0 > webapps > CockpitServer > WEB-INF > lib $\sim$							
META-INF	^	Name	Änderungsdatum	Größe	Тур		
WEB-INF		CockpitBaseServer_3.5.0.jar	08.12.2016 19:23	2.288 KB	JAR-Datei		
classes		🛃 commons-httpclient.jar	28.04.2004 10:58	213 KB	JAR-Datei		
📙 lib		🛃 commons-logging.jar	28.04.2004 10:58	31 KB	JAR-Datei		
old		🛃 hsqldb_2-2-9.jar	06.08.2012 00:17	1.391 KB	JAR-Datei		
docs		🛃 jakarta-slide-webdavlib-2.0.jar	28.04.2004 10:58	129 KB	JAR-Datei		
manager	~	🛃 log4j.jar	10.08.2004 17:04	345 KB	JAR-Datei		

#### Delete CockpitBaseServer\_3.5.0.jar



## 2.4 Step 4: Rename .war files to .zip

Rename new WAR files to .zip so that they can be opened with a ZIP program.

## 2.5 Step 5: Copy CockpitBaseServer\_3.7.0.jar

Open the ZIP file **CockpitServer.zip** e.g. with the file explorer or another ZIP program to be able to copy individual files from it.

Then copy the file **CockpitBaseServer\_3.7.0.jar (...\_3.8.0.jar)** from the directory **WEB-INF\lib**\ into the directory **[Tomcat Home]\webapps\CockpitServer\WEB-INF\lib**, in which the previously deleted JAR was located.

### Content of the zip file CockpitServer.zip

🥩 Netzwerk	^	Name		Komprimie	Тур
Constantin Constantin		🛃 CockpitBaseServer_3.7.0.jar		2.059 KB	JAR-I
CockpitServer.zip		🛃 commons-httpclient.jar		197 KB	JAR-[
CockpitServer		🛃 commons-logging.jar		28 KB	JAR-[
WEB-INF		🛃 hsqldb_2-2-9.jar		1.319 KB	JAR-[
classes		🛃 jakarta-slide-webdavlib-2.0.ja	r	120 KB	JAR-[
📊 lib		🛃 log4j.jar		310 KB	JAR-[
	~	<			>

Figure 5: Content of the zip file CockpitServer.zip



## 2.6 Step 6: Adjust the version number on the LicenseServer

In the **CockpitLicenseServer\WEB-INF** folder, the version number "3.5" in **web.xml** must be adjusted to "3.7" ("3.8").

To do this, open the specified directory in the file explorer and then the **web.xml** with a text editor. There change the version number 3.5 to 3.7 (3.8) and save the file.

```
<?xml version="1.0" encoding="UTF-8"?>
<!DOCTYPE web-app
PUBLIC "-//Sun Microsystems, Inc.//DTD Web Application 2.3//EN"
"http://java.sun.com/dtd/web-app_2_3.dtd">
<!-- License Server for the ARCWAY COCKPIT web-application -->
<web-app>
<!-- A descriptive name for administrative tasks-->
<display-name>
ARCWAY COCKPIT 3.8 License Server
</display-name>
...
</web-app>
```

## 2.7 Step 7: Copy LicenseServer\_3.7.0.jar

Now copy the file WEB-INF\lib\LicenseServer\_3.7.0.jar (...\_3.8.0.jar) from the Cockpit-LicenseServer.zip into the Tomcat Home\webapps\CockpitServer\WEB-INF\lib directory where the deleted JAR was.

#### 2.8 Step 8: Copy licenses

File new licenses if available in the folder Licenses! 3.5 licences can be left for the time being as long as the 3.5 clients have not yet been migrated. Please delete them afterwards.

## 2.9 Step 9: Start Tomcat

The update process itself is now complete. Now start the Tomcat web server.



General Log On	Logging Jav	a Startun	Shutdown			
Log on	Logging Dav		Shataonin			
Service Name:	Tomcat9					
Display name:	Apache Tor	ncat 9.0				
Description: Apache Tomcat 9.0.26 Server - https://tomcat.apache						
Path to executab	de:					
"C:\Program File	es\Apache Sofi	ware Founda	ation\Tomcat 9	9.0\bin\Tomcat9.		
Startup type:	Manual			~		
Service Status:	Stopped				-	
Start	Stop		Pause	Restart		

### Start webserver (General Properties)

Figure 6: Start webserver (General Properties)

## 2.10 Step 10: Check server version

In a Web browser, check whether the new server version is running by entering its address in the address bar.



#### **Cockpit Server**



Figure 7: Cockpit Server

## 2.11 Step 11: Check licenses

In this last step, check whether the licences are correctly available. To do this, start a web browser and open the page of your licence server. There you will get the corresponding information about the available licences.



## License Server Info Page

Iocalhost:8080/CockpitLicenseSe											
$\leftarrow$ $\rightarrow$ $\circlearrowright$ $\bigcirc$ local	host:8080/CockpitLicenseServe	er	Cii să 🏡	🟂 🛱 🤇 Keine Synchronisierung 👔 …							
ARCWAY License Server is up	and running.										
License Server Version: \$ 1.28 1	RH 1.23 LR 1.46										
License Server Host: IP: 127.0.0.1 or 192.168.178.48 or 0000:0000:0000:0000:0000:0000 or fe80:0000:0000:0000:8597:f845:389f:bbe3 or fe80:0000:0000:b06d.dcde:f296:b8f4 or fe80:0000:0000:0000:943d:6599:4495:bfea or fe80:0000:0000:0000:390e:3f62:43b6:bede or fe80:0000:0000:71e1:84b6:8c3e:e4d1 or fe80:0000:0000:0000:18e7:d4ecf1fac:7d89 or fe80:0000:0000:0000:028c0:3581:1e42:661e / Hostname: ARC-NB401 / HostID: ##w0Nn0AaohJUGX8qZGQE4T3D7+tw=											
License file directory: C: Program Files Apache Software Foundation Tomcat 9.0 webapps CockpitLicenseServer LicenseS											
License file name	License file ID	Allowed optional modules	Problems								
Concurrent_3.6.license	icense ST-EBBRQ-BYP5F-WSS2N - COCKPIT-3.6: 1 (expires: never)										
Reader_3_6.1icense	- COCKPIT-3.6-Reader: unlimited (expire never)	none									
Currently checked out licenses:	Currently checked out licenses:										
	Who		Check out time	Timeout							
Total number of licenses still va	Total number of licenses still valid:										
Applic	ation	License Count									
COCKPIT-3.6-Reader	-	.1									
COCKPIT-3.6		1									
	<u>п</u>										

Figure 8: License Server Info Page

