

Cacoo Enterprise Update Manual

(ver 2.02)

Nulab, Inc.
4rd Edition
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Update History

Version	Date	Changes
1	January 06, 2016	First edition (Update to Cacao Enterprise version 1.72)
2	May 23, 2016	Updated to the latest(1.76) version
3	January 18, 2018	Updated to the latest(2.01) version
4	November 8, 2018	Updated to the latest(2.02) version

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Contents of package

cacoo-docker/.env	Cacoo environment configuration file
cacoo-docker/docker-compose.yml	Cacoo environment Docker file
database/*.sql	SQL for creating DB table
blazeds_patch.zip	Patch for BlazeDS revision file * Not necessary when installing
update/*.sql	SQL for updating

Example of extraction package

```
# mkdir /root/temp
# unzip cacoo-enterprise-2.02.zip -d /root/temp/
```

Update Steps (since 2.02)

1. Backup

1. Go to the directory to start / stop Cacoo. (There is "docker-compose.yml" file in the directory)
2. Stop Cacoo at first
3. Take backup of database

Sample command

```
# cd cacoo-docker
# docker-compose down
# mkdir /root/temp/backup-2.01
# pg_dump -h localhost -U postgres -c cacoo >
/root/temp/backup-2.01/cacoo.dump
```

2. Update database

Connect to the PostgreSQL database server then apply update/enterprise_migrate_2.02.20181109.sql, database/stencils.sql and database/templates.sql on the cacoo database like following command.

Sample command

```
# cp /root/temp/cacoo/update/*.sql /var/lib/pgsql/
# cp /root/temp/cacoo/database/stencils.sql /var/lib/pgsql/
# cp /root/temp/cacoo/database/templates.sql /var/lib/pgsql/
# su - postgres
$ psql cacoo
cacoo=# \i enterprise_migrate_2.02.20181109.sql
cacoo=# \i stencils.sql
cacoo=# \i templates.sql
cacoo=# \q
```

3. Update Cacoo environment

1. Overwrite (replace) "docker-compose.yml" with updated file which is provide from Nulab.
2. Start Cacoo again (Please specify AWS_ACCESS_KEY_ID and AWS_SECRET_ACCESS_KEY as same value when Cacoo was installed.)

Sample command

```
# cp /root/temp/cacoo/cacoo-docker/docker-compose.yml .
# export AWS_ACCESS_KEY_ID=*****
```

```
# export AWS_SECRET_ACCESS_KEY=*****
# aws ecr get-login --region ap-northeast-1 --no-include-email | sh -
# docker-compose up -d
```

Update Steps (since 1.76 or old)

Depending on the path the Cacoo Enterprise has been installed, the directories and files to work on will be different. In this document, we assume the Enterprise has been installed in the root (upper row).

Installed path	Directories to backup / delete	File to put
http://(host name: port)/	{tomcat's directory}/webapps/ROOT	ROOT.war
http://(host name: port)/cacoo/	{tomcat's directory}/webapps/cacoo	cacoo.war

In addition, the following software previously required are no longer needed from this version. Please uninstall them as necessary, although keeping them won't affect the operation.

- Tomcat
- Wkhtmltopdf / wkhtmltoimage
- ImageMagick
- GraphicsMagick
- pdf2ps

1. Backup

Please stop tomcat and backup the database and application. For application, please backup the files under {tomcat's directory}/webapps/ROOT/.

Sample command

```
# /opt/tomcat7/bin/shutdown.sh
# mkdir /root/temp/backup-1.61
# pg_dump -h localhost -U postgres -c cacoo >
/root/temp/backup-1.76/cacoo.dump
# cp -r /opt/tomcat7/webapps/ROOT /root/temp/backup-1.76
```

The existing tomcat environment won't be used in Cacoo after updating. Please keep backup to retain the setting information etc.

2. PostgreSQL version upgrade

To use Cacoo update, you need PostgreSQL version 9.5 or higher. Please upgrade if you are using PostgreSQL below version 9.5.

For PostgreSQL upgrade, please refer to PostgreSQL manual.

3. Update database

Using the [Distribution] update/enterprise_migrate_2.01.sql, update/enterprise_migrate_2.02.20180425.sql, update/enterprise_migrate_2.02.20181109.sql, database/stencils.sql, database/templates.sql, please update the table and data.

Sample command

```
# cp /root/temp/cacoo/*.sql /var/lib/pgsql/  
# su - postgres  
$ psql cacoo  
cacoo=# \i enterprise_migrate_2.01.sql  
cacoo=# \i enterprise_migrate_2.01.20180425.sql  
cacoo=# \i enterprise_migrate_2.02.20181109.sql  
cacoo=# \i stencils.sql  
cacoo=# \i templates.sql  
cacoo=# \q
```

Note: About migrate files

Apply in order all the migrate files that belong to your current version number or later.

4. Installing additional software

To install Cacoo update, you need to install the following software. Please refer to "Installation Manual" and install them.

- AWS CLI (Command Line Interface)
- Docker

5. Building Cacoo environment

The operating environment of this version's Cacoo will be built on Docker including other software necessary for Cacoo. Please refer to "Installation Manual" for its procedure.

Please reflect the contents set with the following files to "docker-compose.enterprise.yml" file.

- cacoo.dicon
- cacoo.properties
- jdbc.dicon
- mail.dicon
- web.properties

In addition, if you are using Google Apps and Google Drive integration, please return the following files from backup.

- Google Apps integration configuration file
{tomcat directory}/webapps/ROOT/WEB-INF/client_secrets_oauth2_apps.json
- Google Drive integration configuration file
{tomcat directory}/webapps/ROOT/WEB-INF/client_secrets.json

Changes for the user's environment

About HTML5 version editor

From this version, our editor (diagram editing page) has changed from Flash version to HTML 5 version without Flash.

For any diagrams created before the migration, you need to convert data before editing them with HTML5 version. You can do data conversion when editing an unconverted diagram.

Diagram data conversion involves the following changes.

- Once converted, you can't edit the diagrams again with Flash version or restore them to the previous version.
- For shared diagram, all sharing members will need to use HTML5 version.

Supported environments

HTML5 version does not require installing Flash Player, but operating system and browser versions are different from the previous version. The HTML5 version supports the following browsers.

Windows (version 7 or later)

- Google Chrome
- Mozilla Firefox
- Microsoft Edge (Windows 10 Creators Update or later)

* Internet Explorer is not supported for operation in any versions.

Mac OS X

- Google Chrome
- Mozilla Firefox
- Safari 10.1 or later

Functional changes

With HTML5 version, some functions differ from Flash in the following points.

- Cacao Ninja integration is no longer provided and some functions such as PDF export are available with OS and browser alternative functions.
- In an environment where Flash doesn't work, the fonts installed on your PC are not automatically detected, so you will need to update them manually.
- If you are using characters smaller than the minimum character size set for the browser, those characters won't be displayed in the size you have set.

For more details, please refer to the following page.

<https://cacao.com/blog/cacao-html5-editor-released/>

Update checklist

If you encounter a problem while updating Cacoo Enterprise, please make sure you meet the requirements.

Please contact Cacoo support <support@cacoo.com> if the problem persists.

Checklist	
	Using AWS CLI 1.14 or above
	Using Docker 17.09.1 or above
	Using PostgreSQL Server 9.5 or above
	Settings file for {tomcat's directory}/webapps/ROOT/WEB-INF/classes/cacoo.dicon has been updated
	Settings file for {tomcat's directory}/webapps/ROOT/WEB-INF/classes/cacoo.properties has been updated
	Settings file for {tomcat's directory}/webapps/ROOT/WEB-INF/classes/jdbc.dicon has been updated
	Settings file for {tomcat's directory}/webapps/ROOT/WEB-INF/classes/mail.dicon has been updated
	Settings file for {tomcat's directory}/webapps/ROOT/WEB-INF/classes/web.properties has been updated
	SQL "enterprise_migrate_2.02.20181109.sql", "stencils.sql" and "templates.sql" has been applied to the database