



OASE Operation Autonomy Support Engine

Version Update

※In this document, "Exastro Operation Autonomy Support Engine" is written as "OASE"

Version 1.2

Exastro developer

目次

1. Introduction
 - 1.1 About this guide
2. System configuration
 - 2.1 System requirements
3. OASE update procedure
 - 3.1 Preparation
 - 3.2 OASE update work flow
 - 3.3 Update (1/11)
 - 3.4 Update (2/11)
 - 3.5 Update (3/11)
 - 3.6 Update (4/11)
 - 3.7 Update (5/11)
 - 3.8 Update (6/11)
 - 3.9 Update (7/11)
 - 3.10 Update (8/11)
 - 3.11 Update (9/11)
 - 3.12 Update (10/11)
 - 3.13 Update (11/11)
4. OASE Operation check

1. Introduction

1.1 About this document

About this document

- This document describes the update procedure of OASE Environments constructed in all-in-one-configurations.



2. System construction

2.1 System requirements

■ OASE Environment.

- The procedure in this document can be done on OASE Environments constructed in all-in-one-configurations
- OASE on ver1.1.1 and later can be updated to later versions. Follow the procedure in this document to update it.



3. OASE Update procedure

3.1 Preparation

OASE Update tools

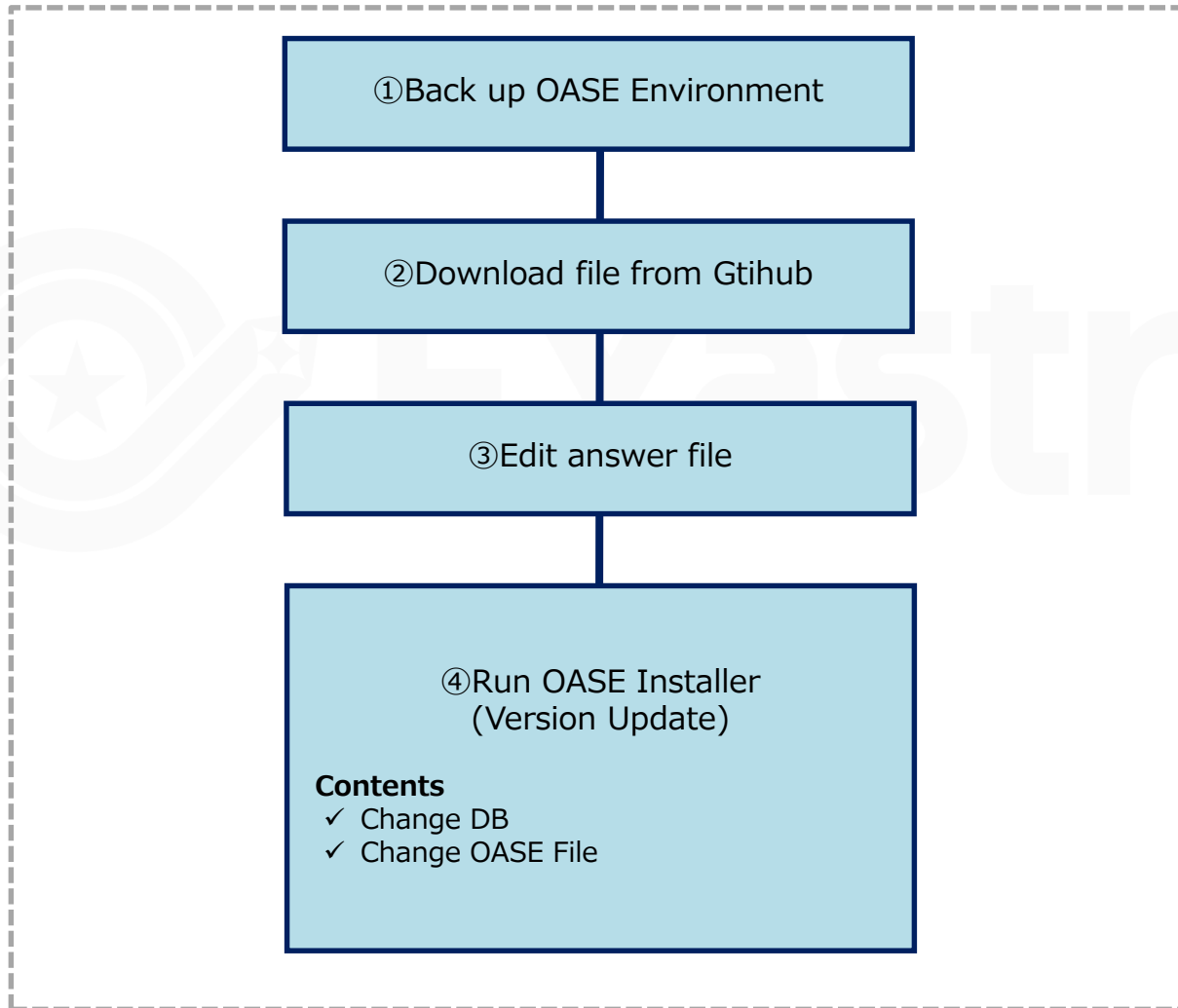
- The following table displays the tools used to update OASE.

Description	File	Storage path
OASE installer	oase_installer.sh	/(Installation file path)/oase/oase_install_package/install_scripts/
Answer file	oase_answers.txt	/(Installation file path)/oase/oase_install_package/install_scripts/

3.2 OASE Update flow

Update flow

- The update flow is as shown below.



3.3 Update (1/11)

Back up OASE Environment

- Make sure to back up the OASE Environment before updating

Download file from Github

- Use the following command to download the necessary file from Github.

```
# curl -OL https://github.com/exastro-suite/oase/releases/download/vx.x.x/exastro-oase-x.x.x.tar.gz
```

※ Please install curl command beforehand.

※ Please change the version (x.x.x) accordingly.

Unpack data

- Unzip the .tar.gz file.

```
# tar xzf exastro-oase-x.x.x.tar.gz
```

Edit Answers file

- Move the file to the directory where the answer file and the shell is located.

```
# cd oase/oase_install_package/install_scripts
```

3.4 Update (2/11)

Edit Answer file (oase_answers.txt)(1/3)

- The Answer file is what configures the OASE update settings. Please create it in advance.
- If you want to install new libraries, change the "install_mode" value to "Versionup_All".
If you don't want to install any new libraries, change it to "Versionup_OASE".

Item	Required	Initial value	Description
install_mode	<input type="radio"/>	Install_Online	Install mode settings • Install_Online : Online install • Install_Offline : Offline install • Gather_Library : Gather libraries • Versionup_All : Update OASE to (installs libraries) • Versionup_OASE : Update OASE (does not install libraries) • Uninstall : Uninstall OASE
RabbitMQ_username	<input type="radio"/>	administrator	RabbitMQ User name
RabbitMQ_password	<input type="radio"/>	password	RabbitMQ Password
RabbitMQ_queueName	<input type="radio"/>	oase	RabbitMQ Queue name (generated)
RabbitMQ_ipaddr	<input type="radio"/>	-	RabbitMQ IP Address
db_root_password	<input type="radio"/>	password	Maria DB Root Password
db_name	<input type="radio"/>	OASE_DB	OASE Maria DB name
db_username	<input type="radio"/>	OASE_USER	OASE Maria DB Database Username

3.5 Update (3/11)

Edit Answer file (oase_answers.txt)((2/3)

- The Answer file is what configures the OASE update settings. Please create it in advance.
- If you want to install new libraries, change the "install_mode" value to "Versionup_All".
If you don't want to install any new libraries, change it to "Versionup_OASE".

Item	Required	Initial value	Description
db_password	<input type="radio"/>	OASE_PASSWD	OASE Maria DB Database Password
db_erase	<input type="radio"/>	-	Decides whether to delete or leave the Database when uninstalling OASE
jboss_root_directory	<input type="radio"/>	/exastro/WildFly	Jboss Installation location
rhdm_adminname	<input type="radio"/>	admin0000	RHDM Administrator name
rhdm_password	<input type="radio"/>	password@1	RHDM Password
dm_ipaddrport	<input type="radio"/>	localhost:8080	RHDM IP Address and Port
rulefile_rootpath	<input type="radio"/>	/exastro/rule	RHDM Rule settings file path (Generated)
apply_ipaddrport	<input type="radio"/>	127.0.0.1:50001	IP and Port started by the ApplyService
mavenrep_path	<input type="radio"/>	/root/.m2/repository/com/oase/	Maven jar File storage place
oasemail_smtp	<input type="radio"/>	"{'IPADDR':'127.0.0.1','PORT':25,'AUTH':False}"	OASE Mail server settings
oase_directory	<input type="radio"/>	/exastro	OASE Installation path

3.6 Update (4/11)

■ Edit Answer file (oase_answers.txt)((3/3)

- The Answer file is what configures the OASE update settings. Please create it in advance.
- If you want to install new libraries, change the "install_mode" value to "Versionup_All".
If you don't want to install any new libraries, change it to "Versionup_OASE".

Item	Required	Initial value	Description
oase_session_engine	<input type="radio"/>	-	OASE Session maintenance method
ev_location	<input type="radio"/>	-	IP Address when the clone job is executed while linked to AD.
oase_language	<input type="radio"/>	ja	System Language
oase_os	<input type="radio"/>	-	System OS
oase_domain	<input type="radio"/>	exastro-oase.local	OASE domain name
certificate_path	Optional	—	Specify the path of the file used for the user specified SSL server certificate (Enter only when using a user specified SSL certificate. Specify an absolute path)
private_key_path	Optional	—	Specify the path of the file used for user-specified SSL private keys. (Enter only when using a user-specified SSL private key. Specify an absolute path)

3.7 Update (5/11)

■ Install modes

- The actions of the installer branches depending on the "install_mode" value in the answer file (oase_answers.txt) Make sure to enter one of the following values when updating.
 - Versionup_All : Updates OASE after installing the added necessary libraries through the internet.
 - Versionup_OASE : Updates OASE without installing any libraries.
- If you want to automatically install libraries in an online environment, make sure the "install_mode" value is set to "Versionup_all".
For offline environments, or if you don't want to install libraries automatically, please set the "install_mode" to be "Versionup_OASE".

3.8 Update (6/11)

Answer file(oase_answers.txt) example 1/4

- The following shows an example of the answer file(oase_answers.txt)

```
# Select install mode.
# ("Install_Online", "Install_Offline", "Gather_Library", "Versionup_All", "Versionup_OASE", "Uninstall")
# e.g) install_mode:Install_Online
install_mode:Versionup_OASE

#####
# RabbitMQ
#####
# Decide the RabbitMQ_username.
# e.g) RabbitMQ_username:sample_rabbitmq_username
RabbitMQ_username:admin

# Decide the RabbitMQ_password.
# e.g) RabbitMQ_password:sample_rabbitmq_password
RabbitMQ_password:password

# Decide the RabbitMQ_queueName.
# e.g) RabbitMQ_queueName:oase
RabbitMQ_queueName:oase

# Enter IP address for RabbitMQ.
# e.g) RabbitMQ_ipaddr:127.0.0.1
RabbitMQ_ipaddr:127.0.0.1

#####
# MariaDB
#####
# Enter the MariaDB root user's password
# e.g) db_root_password:sample_root_password
db_root_password:password

# Decide the database name, username, and password for OASE.
# e.g) db_name:sample_db_name
db_name:OASE_DB
# e.g) db_username:sample_db_username
db_username:OASE_USER
# e.g) db_password:sample_db_password
db_password:OASE_PASSWD

# In uninstall mode,
# Select "erase" or "leave" oase database
```

3.9 Update (7/11)

Answer file(oase_answers.txt) example 2/4

```
# In uninstall mode,
# Select "erase" or "leave" oase database
# e.g) db_erase:erase
db_erase:erase

#####
# JBoss EAP
#####
# Enter JBoss install directory.
# e.g) jboss_root_directory:/exastro/JBossEAP
jboss_root_directory:/exastro/JBossEAP

#####
# RHDH
#####
# Decide the Administrator name, password.
# e.g) rhdm_adminname:admin0000
rhdm_adminname:admin0000
# e.g) rhdm_password:password@1
rhdm_password:password@1

# Enter IP address & port for Decision Manager.
# e.g) dm_ipaddrport:localhost:8080
dm_ipaddrport:localhost:8080

#####
# RULEFILE
#####
# Enter root path for RULEFILE.
# e.g) rulefile_rootpath:/exastro/rule
rulefile_rootpath:/exastro/rule

#####
# APPLY
#####
# Enter IP address & port for APPLY SERVICE.
# e.g) apply_ipaddrport:127.0.0.1:50001
apply_ipaddrport:127.0.0.1:50001
```


3.10 Update (8/11)

Answer file(oase_answers.txt) example 3/4

```
#####
# Maven
#####
# Enter repository path for Maven.
# e.g) mavenrep_path:/root/.m2/repository/com/oase/
mavenrep_path:/root/.m2/repository/com/oase/

#####
# OASEメールSMTP設定
#####
# Enter smtp settings.
# e.g) oasemail_smtp:["IPADDR':'127.0.0.1','PORT':25,'AUTH':False]"
oasemail_smtp:["IPADDR':'127.0.0.1','PORT':25,'AUTH':False]"

#####
# OASEインストールディレクトリ
#####
# Enter OASE install directory.
# e.g) oase_directory:/exastro
oase_directory:/exastro

#####
# settings.py
#####
# Decide the EVTIMER SERVER location
# e.g) ev_location:127.0.0.1
ev_location:127.0.0.1

# Select language. ("ja")
# e.g) oase_language:ja
oase_language:ja

# Select Operation System. ("CentOS7" or "RHEL7" or "RHEL8")
# e.g) oase_os:RHEL7
oase_os:RHEL8
```

3.11 Update (9/11)

Answer file(oase_answers.txt) example 4/4

```
#####  
# SSLサーバ証明書  
#####  
# Enter the oase domain name.  
# e.g) oase_domain:exastro-oase.local  
oase_domain:exastro-oase.local  
  
# Enter when using user-specified certificates and private keys.  
# If no file path is entered for both "certificate_path" and "private_key_path",  
# the OASE installer creates and installs a self-certificate and private key  
# using the values entered in "oase_domain".  
  
# Enter the file path where the certificate to be install.  
# e.g) certificate_path:/temp/etc_pki_tls_certs/exastro-oase.crt  
certificate_path:  
  
# Enter the file path where the private key to be install.  
# e.g) private_key_path:/temp/etc_pki_tls_certs/exastro-oase.key  
private_key_path:
```

3.12 Update (10/11)

Run OASE Installer(Version Update)

- Use the command below to run the update tool.

```
# sh oase_installer.sh
```

- If the "install_mode" value in the answer file (oase_answers.txt) is set to "Versionup_All", the libraries will be installed in the middle of the process.
Please see the next page for information regarding the different version's libraries.

Check Process.

- If the operation ended normally, the version will be updated to the version of the downloaded file.
- The content of the operations executed by the update tool is output to oase_version_up.log
- Log storage path
/(Installation file extract path)/oase_install_package/install_scripts/log/

End Status

- The OASE installer returns the exit statuses listed below depending on the shell process end status.

Normal end : 0

Abnormal end : 1

3.13 Update (11/11)

List of libraries that will be installed during update

If the "install_mode" in the answer file (oase_answers.txt) is set to "Versionup_all", the installer will install any new libraries added to the new driver/version.

If it is set to "VersionUP_OASE", please install the libraries manually.

Version	Installed driver	Library name	Install command	Required	Use
1.2.0	No libraries were added in Version 1.2.0				

4. OASE Operation check



Exastro