# Prodiguer Platform - Server Deployment Notes

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1. Shut down system 2

1.1. Shut down MQ server 2

1.2. Shut down WEB server 2

2. Back up system 3

2.1. Back up DB server 3

2.1.1. Take VM snapshot 3

2.1.2. Backup local files 3

2.2. Back up MQ server 3

2.2.1. Take VM snapshot 3

2.2.2. Backup RabbitMQ broker definitions 3

2.2.2.1. Open admin UI 3

2.2.2.2. Back up definitions 3

2.2.3. Backup local files 3

2.3. Back up WEB server 3

2.3.1. Take VM snapshot 3

2.3.2. Backup local files 3

3. DB server deployment 4

3.1. Set environment variables (definitions are here) 4

3.2. Update source 4

3.3. Update aliases 4

3.4. Update virtual environments 4

3.5. Update config 4

3.6. Migrate pgres database to new schema 4

3.7. Reset controlled vocabulary table. 4

4. MQ server deployment 5

4.1. Set environment variables (definitions are here) 5

4.2. Update source 5

4.3. Update aliases 5

4.4. Update virtual environments 5

4.5. Update config 6

4.6. Update RabbitMQ broker definitions 6

4.6.1. Open admin UI 6

4.6.2. Import new definitions 6

4.6.3. Notify me 6

4.7. Update supervisor daemon configuration 6

5. WEB server deployment 7

5.1. Set environment variables (definitions are here) 7

5.2. Update source 7

5.3. Update aliases 7

5.4. Update virtual environments 7

5.5. Update config 7

5.6. Update supervisor daemon configuration 7

6. System Restart 8

6.1. Restart WEB server 8

6.2. Restart MQ server 8

## Shut down system

## Shut down MQ server

prodiguer-mq-daemons-kill

## Shut down WEB server

prodiguer-web-daemons-kill

nginx stop

## Back up system

## Back up DB server

## Take VM snapshot

## Backup local files

cp /opt/prodiguer/ops/config SOMEWHERE\_ON\_THE\_MACHINE

prodiguer-db-pgres-backup

## Back up MQ server

## Take VM snapshot

## Backup RabbitMQ broker definitions

## Open admin UI

Navigate to: [http://prodiguer-test-mq.ipsl.fr:15672/#](http://prodiguer-test-mq.ipsl.fr:15672/)

## Back up definitions

* Expanding the ‘Import / export definitions’ panel
* Clicking ‘Download broker definitions’ button
* Save definitions to SOMEWHERE\_ON\_THE\_MACHINE

## Backup local files

cp /opt/prodiguer/ops/config SOMEWHERE\_ON\_THE\_MACHINE

cp /opt/prodiguer/ops/logs/mq SOMEWHERE\_ON\_THE\_MACHINE

## Back up WEB server

## Take VM snapshot

## Backup local files

cp /opt/prodiguer/ops/config SOMEWHERE\_ON\_THE\_MACHINE

cp /opt/prodiguer/ops/logs/web SOMEWHERE\_ON\_THE\_MACHINE

## DB server deployment

## Set environment variables (definitions are [here](https://github.com/Prodiguer/prodiguer-docs/blob/master/devops/environment_variables.md))

* + PRODIGUER\_DB\_MONGO\_HOST
    - default = localhost:27017
  + PRODIGUER\_DB\_MONGO\_USER\_PASSWORD
  + PRODIGUER\_DB\_PGRES\_HOST
    - default = localhost:5432
  + PRODIGUER\_DB\_PGRES\_USER\_PASSWORD
  + PRODIGUER\_HOME
    - default = /opt/prodiguer

## Update source

prodiguer-stack-update-source

## Update aliases

source /opt/prodiguer/aliases.sh

## Update virtual environments

prodiguer-stack-update-venvs

## Update config

prodiguer-stack-update-config

## Migrate pgres database to new schema

prodiguer-db-pgres-migrate

## Reset controlled vocabulary table.

prodiguer-db-pgres-cv-table-reset

## MQ server deployment

## Set environment variables (definitions are [here](https://github.com/Prodiguer/prodiguer-docs/blob/master/devops/environment_variables.md))

* + PRODIGUER\_DB\_MONGO\_HOST
    - see backed up prodiguer.json
  + PRODIGUER\_DB\_MONGO\_USER\_PASSWORD
    - see backed up prodiguer.json
  + PRODIGUER\_DB\_PGRES\_HOST
    - see backed up prodiguer.json
  + PRODIGUER\_DB\_PGRES\_USER\_PASSWORD
    - see backed up prodiguer.json
  + PRODIGUER\_HOME
    - default = /opt/prodiguer
  + PRODIGUER\_MQ\_IMAP\_PASSWORD
    - see backed up prodiguer.json
  + PRODIGUER\_MQ\_RABBIT\_HOST
    - default = localhost:5671
  + PRODIGUER\_MQ\_RABBIT\_LIBIGCM\_USER\_PASSWORD
    - see backed up prodiguer.json
  + PRODIGUER\_MQ\_RABBIT\_SSL\_CLIENT\_CERT
    - default = /opt/prodiguer/ops/certs/rabbitmq/client-cert.pem
  + PRODIGUER\_MQ\_RABBIT\_SSL\_CLIENT\_KEY
    - default = /opt/prodiguer/ops/certs/rabbitmq/client- key.pem
  + PRODIGUER\_MQ\_RABBIT\_USER\_PASSWORD
    - see backed up prodiguer.json
  + PRODIGUER\_MQ\_SMTP\_PASSWORD
    - see backed up prodiguer.json
  + PRODIGUER\_WEB\_URL
    - default = [https://prodiguer-test-web.ipsl.fr](https://prodiguer-test-web.ipsl.fr/)

## Update source

prodiguer-stack-update-source

## Update aliases

source /opt/prodiguer/aliases.sh

## Update virtual environments

prodiguer-stack-update-venvs

## Update config

prodiguer-stack-update-config

## Update RabbitMQ broker definitions

## Open admin UI

Navigate to: [http://prodiguer-test-mq.ipsl.fr:15672/#](http://prodiguer-test-mq.ipsl.fr:15672/)

## Import new definitions

* Expanding the ‘Import / export definitions’ panel
* Clicking ‘Upload broker definitions’ button
* Select file: /opt/prodiguer/templates/config/mq-rabbit.json

## Notify me

I will then verify that all is good (i.e. I may need to delete obsolete queue bindings)

## Update supervisor daemon configuration

rm /opt/prodiguer/ops/config/mq-supervisord.conf

cp /opt/prodiguer/templates/config/mq-supervisord.conf /opt/prodiguer/ops/config

## Purge debug queues

prodiguer-mq-purge-debug-queues

## WEB server deployment

## Set environment variables (definitions are [here](https://github.com/Prodiguer/prodiguer-docs/blob/master/devops/environment_variables.md))

* + PRODIGUER\_CLIENT\_WEB\_URL
    - default = https://prodiguer-test-web.ipsl.fr
  + PRODIGUER\_DB\_MONGO\_HOST
    - see backed up prodiguer.json
  + PRODIGUER\_DB\_MONGO\_USER\_PASSWORD
    - see backed up prodiguer.json
  + PRODIGUER\_DB\_PGRES\_HOST
    - see backed up prodiguer.json
  + PRODIGUER\_DB\_PGRES\_USER\_PASSWORD
    - see backed up prodiguer.json
  + PRODIGUER\_HOME
    - default = /opt/prodiguer
  + PRODIGUER\_WEB\_HOST
    - default = localhost:8888

## Update source

prodiguer-stack-update-source

## Update aliases

source /opt/prodiguer/aliases.sh

## Update virtual environments

prodiguer-stack-update-venvs

## Update config

prodiguer-stack-update-config

## Update supervisor daemon configuration

rm /opt/prodiguer/ops/config/web-supervisord.conf

cp /opt/prodiguer/templates/config/web -supervisord.conf /opt/prodiguer/ops/config

## System Restart

## Restart WEB server

prodiguer-web-daemons- init

nginx start

## Restart MQ server

prodiguer-mq-daemons-init