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## **1. Shut down system**

### **1.1. Shut down MQ server**

prodiguer-mq-daemons-kill

### **1.2. Shut down WEB server**

prodiguer-web-daemons-kill

nginx stop

## **2. Back up system**

### **2.1. Back up DB server**

#### **2.1.1. Take VM snapshot**

#### **2.1.2. Backup config files**

`cp /opt/prodiguer/ops/config SOMEWHERE_ON_THE_MACHINE`

#### **2.1.3. Backup pgres database**

`prodiguer-db-pgres-backup`

### **2.2. Back up MQ server**

#### **2.2.1. Take VM snapshot**

#### **2.2.2. Backup config files**

`cp /opt/prodiguer/ops/config SOMEWHERE_ON_THE_MACHINE`

#### **2.2.3. Backup log files**

`cp /opt/prodiguer/ops/logs/mq SOMEWHERE_ON_THE_MACHINE`

### **2.3. Back up WEB server**

#### **2.3.1. Take VM snapshot**

#### **2.3.2. Backup config files**

`cp /opt/prodiguer/ops/config SOMEWHERE_ON_THE_MACHINE`

#### **2.3.3. Backup log files**

`cp /opt/prodiguer/ops/logs/web SOMEWHERE_ON_THE_MACHINE`

### 3. DB server deployment

#### 3.1. Update source

prodiguer-stack-update-source

#### 3.2. Update aliases

source /opt/prodiguer/aliases.sh

#### 3.3. Bootstrap environment variables

prodiguer-stack-bootstrap-environment-variables

#### 3.4. Edit environment variables - definitions are [here](#)

vi \$HOME/.prodiguer\_server

#### 3.5. Verify bash settings

vi \$HOME/.bash\_profile

#### 3.6. Update config

prodiguer-stack-update-config

#### 3.7. Update virtual environments

prodiguer-stack-update-venvs

#### 3.8. Migrate pgres database to new schema

prodiguer-db-pgres-migrate

#### 3.9. Reset controlled vocabulary table.

prodiguer-db-pgres-cv-table-reset

## 4. MQ server deployment

### 4.1. Update source

prodiguer-stack-update-source

### 4.2. Update aliases

source /opt/prodiguer/aliases.sh

### 4.3. Bootstrap environment variables

prodiguer-stack-bootstrap-environment-variables

### 4.4. Edit environment variables - definitions are [here](#)

vi \$HOME/.prodiguer\_server

### 4.5. Verify bash settings

vi \$HOME/.bash\_profile

### 4.6. Update config

```
mkdir -p $PRODIGUER_HOME/ops/daemons/mq
prodiguer-stack-update-config
rm /opt/prodiguer/ops/config/mq-supervisord.conf
```

### 4.7. Update virtual environments

prodiguer-stack-update-venvs

### 4.8. Update RabbitMQ broker definitions

#### 4.8.1. Open admin UI

Navigate to: <http://prodiguer-test-mq.ipsl.fr:15672/#>

#### 4.8.2. Import new definitions

- Expand the 'Import / export definitions' panel
- Click 'Upload broker definitions' button
- Select file: /opt/prodiguer/templates/config/mq-rabbit.json

#### 4.8.3. Notify me

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

### 4.9. Purge debug queues

prodiguer-mq-purge-debug-queues

## 5. WEB server deployment

### 5.1. Update source

prodiguer-stack-update-source

### 5.2. Update aliases

source /opt/prodiguer/aliases.sh

### 5.3. Bootstrap environment variables

prodiguer-stack-bootstrap-environment-variables

### 5.4. Edit environment variables - definitions are [here](#)

vi \$HOME/.prodiguer\_server

### 5.5. Verify bash settings

vi \$HOME/.bash\_profile

### 5.6. Update config

mkdir -p \$PRODIGUER\_HOME/ops/daemons/web

prodiguer-stack-update-config

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

### 5.7. Update virtual environments

prodiguer-stack-update-venvs

## **6. System Restart**

### **6.1. Restart WEB server**

```
prodiguer-web-daemons- init  
nginx start
```

### **6.2. Restart MQ server**

```
prodiguer-mq-daemons-init
```