**TEST5B**

- **Goals**
  - Test dynamic addition of new bitarchive
  - Test JMS broker restart

- **Prerequisites**
  - None special.

- **Procedure**
  - Prepare Installation with One Bitapp Missing
  - Check the Installation
  - Start the Third Bitapp
  - Check the System State
  - Restart The Broker
  - Check the System State
  - Close Down the Test

Test normal functioning during addition of new bitarchive and broker restart.

### Goals

- Test dynamic addition of new bitarchive
- Test JMS broker restart

### Prerequisites

None special.

### Procedure

#### Prepare Installation with One Bitapp Missing

On `devel@kb-prod-udv-001.kb.dk` (note: replace `foo@bar.dk` with your own mailaddress, and `2???` with correct version)

```bash
export TESTX=TEST5B
export PORT=807?
export MAILRECEIVERS=foo@bar.dk
export VERSION=2???
```

First cleanup and prepare test:

```bash
only_prepare_test.sh
```

Now disable one bitapp:

```bash
cd /home/devel/prepared_software/$TESTX/kb-test-bar-016.bitarkiv.kb.dk
```

and prefix "echo" to the penultimate line of `startall.bat`. Finally

```bash
install_test.sh
start_test.sh
```

#### Check the Installation

Check the system state in the GUI. There should only be two bitapps running on `kb-test-bar-014` and everything else should appear normal.

#### Start the Third Bitapp

From `devel@kb-prod-udv-001`:
ssh ba-devel@kb-test-bar-016.bitarkiv.kb.dk
cd ${TESTX}
cd conf
"C:\Program Files\Bitvise WinSSHD\bvRun" -brj -new -cmd="start_BitarchiveApplication_BitApp_3.bat"
exit

Check the System State

In the System State GUI http://kb-test-adm-001.kb.dk:$PORT/Status/Monitor-JMXsummary.jsp

- Check that the new BitApp is visible
- Check that there are no errors or warnings visible on any app

Restart The Broker

Send an email to webarkivering-teknik@statsbiblioteket.dk to warn that you are restarting the broker.

From test@kb-prod-udv-001:

```bash
ssh test@kb-test-adm-001
bash /home/test/mq/stop.sh
sleep 60
bash /home/test/mq/noreset_start.sh &
exit
```

Check the System State

In the System State GUI http://kb-test-adm-001.kb.dk:$PORT/Status/Monitor-JMXsummary.jsp:

- Check that all applications are present
- Check that the most recent status for every application is neither a warning, an error, nor empty
- Check that the SB Bitapp on sb-test-bar-001 is present
- Check that system is fully functional
  - Make a simple netarkivet.dk harvest
  - Waiting for the job to finish
  - make QA of the job through the viewerproxy

Close Down the Test

cleanup_all_test.sh