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## Shut-down and restart Digitool

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### Overview

Digitool has various components, which may be stopped and started individually, however sometimes we want to stop and restart all components simultaneously with a single command.

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### Pre/Post Checks

It is advisable to check the status of running components before and after stopping and starting to ensure that the system is completely stopped or started as required.

#### To check running COBOL components:

```
>server_monitor
```

Example output of running components:

Port	Pid	Server Type	Started At	Status
3881	14060	OAI Server	Dec 21 22:15:03	Free
3881	14066	OAI Server c	Dec 21 22:15:03	Free
3881	14067	OAI Server c	Dec 21 22:15:03	Free
4881	16636	WWW Server	Jan 04 13:52:45	Free
4881	13694	WWW Server c	Feb 09 12:42:31	Free
4881	16641	WWW Server c	Jan 04 13:52:45	Free
4881	22304	WWW Server c	Feb 08 14:35:39	Free
4881	16642	WWW Server c	Jan 04 13:52:45	Free
4881	29802	WWW Server c	Feb 09 14:32:44	Free
6883	5258	PC Server	Dec 21 22:10:38	Free
6883	5309	PC Server c0	Dec 21 22:10:38	Free
6883	5310	PC Server c0	Dec 21 22:10:38	Free
6883	5311	PC Server c0	Dec 21 22:10:38	Free
6883	5312	PC Server c0	Dec 21 22:10:38	Free
6883	5313	PC Server c0	Dec 21 22:10:39	Free
7881	5239	Z39 Gate	Dec 21 22:10:38	Free

#### To check status of Java components:

```
>jps -m
```

Example output of running components:

```
30236 Jps -m  
4816 Main -b 0.0.0.0 (JBoss is running)  
30903 Bootstrap start (Tomcat is running (required for jp2000 viewer))
```

## Stop Digitool

```
>$dtle_root/dtl_shutdown_all
```

This will stop all of the COBOL components followed by JBoss

## Start Digitool

```
>$dtle_root/dtl_startup_all
```

This will start JBoss, followed by the COBOL components.

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## Further Information

Full information about starting and stopping the various components of Digitool can be found in [DigiTool System Administration Guide.pdf](#)