Console with the LPAR tool

by PowerCampus [01]

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LPAR tool

▹ Command line tool for the administration of LPARs

▹ easy, fast and efficient in use

▹ Administration of any number of HMCs, managed systems and LPARs

▹ can be integrated into your own scripts or automation tools

Opening a console session

▹ With the LPAR tool a console can be opened at any time:

▹ `$ lpar console lpar01`

```
Open in progress

Open completed.

PowerPC Firmware
SMS 1.7 (c) Copyright IBM Corp. 2000,2008 All rights reserved.
- - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
Main Menu
1.    Select Language
2.    Setup Remote IPL (Initial Program Load)
3.    Change SCSI Settings
4.    Select Console
5.    Select Boot Options
…
```

Closing a console session

▷ The escape sequence „~.“ can be used to close an open console session:

▷ …

▷ ~.

▷ `Terminate session? [y/n] y`

▷ `Shared connection to hmc01 closed.`

▷ `$`

Console session is already open

▷ If a console to the LPAR is already open, the following message is shown:

▷ ```
$ lpar console lpar01

  A terminal session is already open for this partition.
  Only one open session is allowed for a partition.
  Exiting…
  Received end of file, Exiting.
Shared connection to hmc01 closed.
$
```

▷ By using the option „-f" (force), the open session will be closed.

# Console session hangs

▷ A hanging console session can be terminated using the command „*lpar rmconsole*":

▷ 
```
$ lpar rmconsole lpar01
/bin/stty: standard input: Inappropriate ioctl for device
$
```

▷ The following message appears in the open console session that is being closed:
```
…
Connection has closed

This session is no longer connected. Please close this
window.
```

# View console sessions

▷ Open console sessions can be viewed indirectly through the connected HMCs. The command „*hmc lslogon*" can be used in this case:

▷
```
$ hmc lslogon hmc01
```

▷
```
USER_NAME   TTY_ID   LOGON_TIME   ACESS_LOCATION
```

▷
```
    TASK_NAME   TTY_ID   START_TIME   USER_NAME   PID
user01   pts/1   2022-10-10 09:38   172.10.10.15
    mkvterm   pts/1   Oct 10 09:38:18 2022   root   24583
$
```

▷ A console session can be recognized by the task name „*mkvterm*".

# Further commands that can open a console

▷ There are a number of other commands that can be used to open a console:

▷ When activating an LPAR with „*lpar activate -c*“.

▷ When shutting down an LPAR with „*lpar shutdown -c*“.

▷ When shutting down the operating system of an LPAR with „*lpar osshutdown -c*“.

▷ When initiating a dump of an LPAR with „*lpar dumprestart -c*“.

▷ In all cases, a console session can be started with the „*-c*“ (console) option.

# Questions about the LPAR-Tool and PowerCampus 01

▷ …

▷ Questions about the LPAR tool at any time:
*info@powercampus.de*

▷ Problems can be reported to: *support@powercampus.de*

Thank you for letting us introduce the
LPAR tool!

*PowerCampus 01*