

# IBM Education Assistance for z/OS V2R2

Item: Concurrent Logon – Automatic Logoff

Element/Component: BCP/Consoles



## Agenda

- Trademarks
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- Migration & Coexistence Considerations
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- Presentation Summary
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## Trademarks

- See url <http://www.ibm.com/legal/copytrade.shtml> for a list of trademarks.



## Presentation Objectives

- Describe new console logon properties:
  - Concurrent MCS Logon
    - Allow a userid to be concurrently logged on to multiple consoles in a sysplex
  - Automatic Logoff
    - Console input inactivity can cause a userid to be automatically logged off



## Overview (1 of 3)

### Problem Statement / Need Addressed

- Operators need to have concurrent access to several MCS consoles, spread throughout the sysplex
  - Requiring separate userids for the same operator is burdensome
- Unattended operator consoles can result in security exposures



## Overview (2 of 3)

### Solution:

- Allow the same userid to be concurrently logged on to multiple operator consoles within a sysplex
- Provide a timeout value such that if an operator does not provide any input from the console within that time value, the userid is automatically logged off



## Overview (3 of 3)

### Benefit / Value:

- The security administrator and operator only need one userid to manage
- A security exposure can be minimized by logging off an unattended console



## Usage & Invocation (1 of 2)

- Use the VARY CN() command to set or change a console's timeout value.
- - V CN{(\*|conspec1[,conspec1]... )}  
[,TIMEOUT=timeo]  
timeo range is 0 to 99
  - TIMEOUT not supported for:
    - System Console
    - EMCS consoles
    - Subsystem consoles
    - Printer consoles
    - Consoles in USE(MS|SD)
    -
  - For example: VARY CN(HMCSY1),TIMEOUT=30





## Usage & Invocation (2 of 2)

- Use the DISPLAY CONSOLES command to show the current value for TIMEOUT

– D C,CN=consname

```
CNZ4100I 15.10.14 CONSOLE DISPLAY
```

```
CONSOLES MATCHING COMMAND: D C
```

```
MSG:CURR=1      LIM=3000 RPLY:CURR=1      LIM=9999  SYS=SY1      PFK=ZX
```

```
HARDCOPY LOG=(SYSLOG,OPERLOG) CMDLEVEL=CMDS
```

```
ROUT=(ALL)
```

```
HMCSY1      TYPE=HMCS      STATUS=ACT-SY1
```

```
DEFINED=(SY1)
```

```
MATCHED=(SY1)
```

```
ATTRIBUTES ON SY1
```

```
AUTH=(MASTER)      CMDSYS=*
```

```
NBUF=1      SUPSBY=Y
```

```
DEV=NONE      LOGON=AUTO
```

```
USERID=IBMUSER TIMEOUT=30
```

```
MFORM=(S)      AREA=(Z,A)
```

```
PFKTAB=01
```

```
USE=FC  DEL=RD  RTIME=1/4  RNUM=25
```

```
SEG=19      CON=N
```

```
LEVEL=(ALL)
```

```
MONITOR=(JOBNAMES)
```

```
INTIDS=N  UNKNIDS=N
```

```
ROUT=(1-10,12-128)
```

```
MSCOPE=(*)
```



## Migration & Coexistence Considerations (1 of 2)

No coexistence APAR is required

The automatic logoff of a user will only occur on consoles on V2R2 or above systems that have a TIMEOUT value specified.



## Migration & Coexistence Considerations (2 of 2)

Concurrent logon behavior in a mixed sysplex:

System of Initial Logon	Security Profile Defined on V2R2 System	System of Second Logon	Result
V2R2	Yes	V2R2	Both consoles are logged on with the same user id
pre-V2R2	Yes	V2R2	Both consoles are logged on with the same user id
V2R2	No	V2R2	2nd console logon attempt is rejected
pre-V2R2	No	V2R2	2nd console logon attempt is rejected
V2R2	Yes	pre-V2R2	2nd console logon attempt is rejected
pre-V2R2	Yes	pre-V2R2	2nd console logon attempt is rejected
V2R2	No	pre-V2R2	2nd console logon attempt is rejected
pre-V2R2	No	pre-V2R2	2nd console logon attempt is rejected

## Installation (1 of 2) – Security Profile

If concurrent logon is desired, the security administrator must define a security profile

- Class: OPERCMDS
- Profile: MVS.MULTIPLE.LOGON.CHECK

The existence of the profile activates the function

- UACC setting and access list are irrelevant

From a logged on operator console with the appropriate authority issue:

```
#rdefine OPERCMDS (MVS.MULTIPLE.LOGON.CHECK)
```



## Installation (2 of 2) – CONSOLxx Parmlib Member

To specify an automatic timeout value:

**CONSOLE . . . TIMEOUT ( *tt* )**

*tt* - Number of minutes of input inactivity after which the console will be automatically logged off

Value ranges between 0 and 99

Default is 0 (no automatic logoff will occur)

TIMEOUT is mutually exclusive with:

- DEVNUM(SUBSYSTEM)
- DEVNUM(SYSCONS)
- UNIT(PRT)
- USE(MS) or USE(SD)



## Presentation Summary

- There are two new functions related to being logged on to an operator console.
  - Concurrent MCS Logon
    - By defining a profile to the security product an installation can allow userids to be logged on to more than one console concurrently in a sysplex.
  - Automatic Logoff
    - By providing a timeout value for an operator console an installation can cause a userid to be logged off that console after a specified duration of inactivity.



## Appendix

### ▪ Relevant Publications

- *z/OS V2R2 MVS Initialization and Tuning Reference* (SA23-1380)
- *z/OS V2R2 MVS System Commands* (SA38-0666)
- *z/OS V2R2 MVS Planning: Operations* (SA23-1390)
- *z/OS V2R2 MVS Diagnosis: Reference* (GA32-0904)
- *z/OS V2R2 MVS System Messages Vol 4(CBD-DMO)* (SA38-0671)

