Using MVS/SP 1.3.5
Updated 11 Oct 2020

The complete system consists of nine 3380 volumes at addresses 160-168, and two 3350 volumes at addresses 14E-14F. The 3350s are needed because the older JES2 does not support 3380 devices for its spool space.

The system IPL address is 160. The master console is at address 010 (3278-4 required), or alternately the master can be at address 01F (3215 required).

After IPL is complete and VTAM is active, start TSO. You may then logon to TSO userid HERC01, password CUL8TR.

Jobs used in configuring this system are in SYS1.SYSGEN.CNTL on volume SYSRES. See the README member within this dataset for a list and description of the jobs.

Hercules Requirements
Three modifications were required to Hercules in order for MVS/SP to run under the emulator. You must use a SDL-Hyperion version of the Hercules emulator that was cloned and compiled on or after 10 Oct 2020 in order to obtain the required support. No other version of Hercules contains the necessary support.

Re-IPL.
If you need to reipl without shutting down Hercules, you must use 'clear' on the IPL command, e.g., IPL 160 CLEAR. Otherwise the system will halt shortly after the IPL with a disabled wait 64.

System Master Catalog
The master catalog is named SYS1.VSCAT. No passwords are in use. The catalog resides on volume SYSCAT.

System Security
There is no security system in place. The system is wide open to all jobs and users.

NJE38
NJE38 is on the system, a modified version to function in MVS/SP. The configuration file for NJE38 is in SYS1.SYSGEN.CNTL(NJECFG).

Adding TSO Userids
In order to add additional TSO userids the procedure is similar to that of TK4. See job ADDUSER in SYS1.SYSGEN.CNTL.

Switching between JES2 and JES3
On initial IPL, JES2 will come active on the system. The version of JES2 is the same as that used on TK4.

JES3 is also on the system, but inactive. You can run a zap job that will change internal system tables to cause JES3 to be activated on IPL and not JES2. JES3 requires a JES3-dedicated console at device 0E1. Define to Hercules a 3270 at address 0E1 before you IPL with JES3.

Very Important Note: If you switch to JES3, then you cannot use JES2. Therefore, if you are unsuccessful in getting JES3 to work or it will not let you submit jobs (either from a reader or from TSO) then there is <u>no way </u>to run a job to switch back to JES2. Therefore, a backup of your DASDs are recommended before switching to JES3 until you have it reliably working where you can switch back and forth at will.

To switch to JES3: Use job ZAPJES3, then shutdown and re-ipl 160 clear. Answer the IEA101A prompt with R 00,CMD=01 which will tell the system not to start JES2. (if you forget, JES2 will start, but you can cancel its prompt, or ignore it and start JES3 anyway. JES2 will be non-functional however). Start JES3 using a 'S JES3' command from the console. The prompts and replies that appear are:

s jes3
IAT6360 CHECKPOINT DATA SET <CHKPNT2> UNAVAILABLE - CHKPNT2 DD NOT
 DEFINED.
IAT6359 *** WARNING *** ONLY ONE JES3 CHECKPOINT DATA SET IN USE.
- IAT3011 SPECIFY JES3 START TYPE
| 01 IAT3011 (L H HA W WA WR WAR OR C)
- r 01,w   ← REPLY
  IEE600I REPLY TO 01 IS;W
| 02 IAT3012 SELECT JES3 INISH ORIGIN (N M= OR U=), AND OPTIONAL EXIT PARM
| (,P=)
- r 02,m=00   ← REPLY
  IEE600I REPLY TO 02 IS;M=0

JES3 is now active and you should see messages on the JES3 console at device 0E1.