1. Overview

SOL - Serial Over Lan is a mechanism that enables the input and output of the serial port of a managed system to be redirected via an IPMI session over IP. (IPMIcommand)

--kernel-args=kernel parameter

Append the kernel parameter to boot loader configuration file (imgla.cfg, imgla.cfg, pxelinux.cfg, etc). Note: The kernel parameter is "additive" (add to the other parameters that are already specified in the bootable media itself)

2. SOL Precondition

BMC Network configuration is ready on the remote x server, and network connection is OK.

Remote x server support and enabled SOL.

SMBridge telnet server is ready (In this solution, we install SMBridge server on the Laptop with telnet client).

Laptop/PC that running telnet client.

3. Enable SOL on xServer

Configure the Serial Port Operation Mode via BIOS->Device and I/O Ports Serial Port A=Auto Configure

Remote Console Redirection

Remote Console COM Port=COM 1/Remote Console Serial Port= Serail Port
1 (BMC)

Baud Rate=19200

Consol Type= VT100/VT220

Remote Console Active After Boot=Enable/On

Enable SOL via BIOS->Advanced Setup->BMC

System-BMC Serial Port Sharing [Enabled]

BMC Serial Port Access Mode [Dedicated]

BMC User Account/Network Config

4. Install SMBridge Telnet on Laptop/PC

SMBridge SW Pack (Setup.exe)

Type telnet localhost 623 at Start->Run->CMD (SMBridge service/daemon) Type connect-ip remot_eserver_ip -u userid -p password(SMBridge>) Type sol config -baud 19200 Type console

5. Test Case/Procedure

Setup and Config SOL environment on xServer and Console (Laptop/PC), refer to the above topic 3&4

Using BoMC.exe to create bootable media

6. Reference of SOL setup

http://w3-03.ibm.com/support/techdocs/atsmastr.nsf/WebIndex/TD104559 (SSPD by Jim, Ji Le Wei/China/IBM)

Screen shot



