

Issue No. 01	Rev. No: 02	Effective Date: 20.09.2017	SOP/INST/053
Issued By: M.R		Approved By: HOD - INSTRUMENTATION	
SOP for LIMS Server Startup			

### Procedure:

- Ensure Power supply cable was connected and Power LED was glowing at rear side of the server.

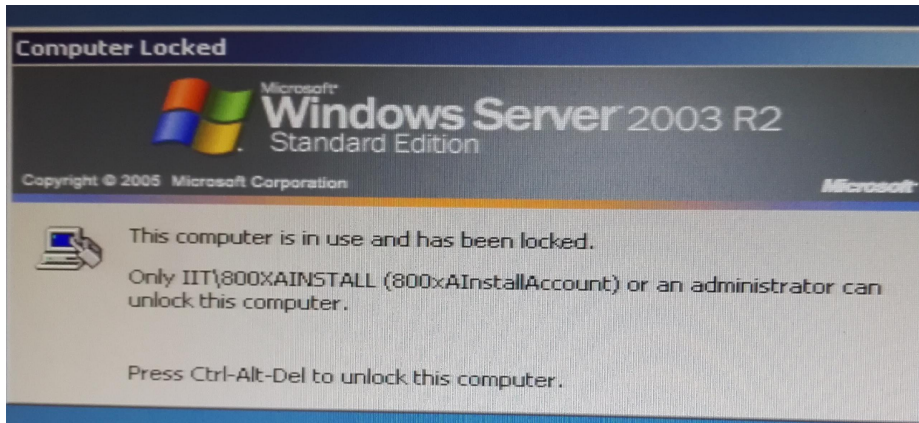


- Press the power button to startup the server and Ensure all hard disk power LED is glowing and Hard disk Communication LED is blinking in green color.

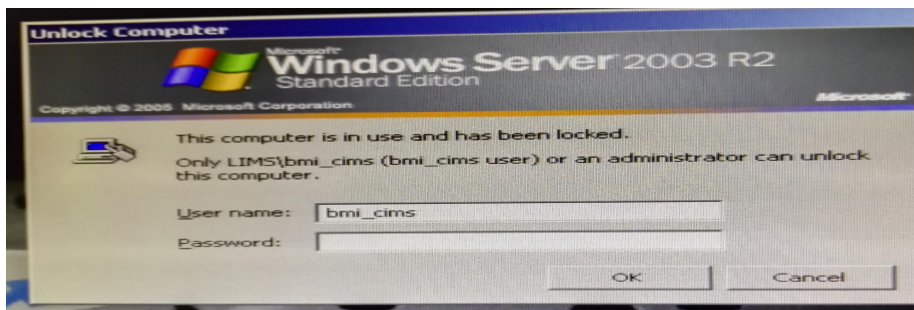


- Wait until display of log in window. If there is no progress in startup or Login window not displayed with in 5 Min please contact the concern for further support.

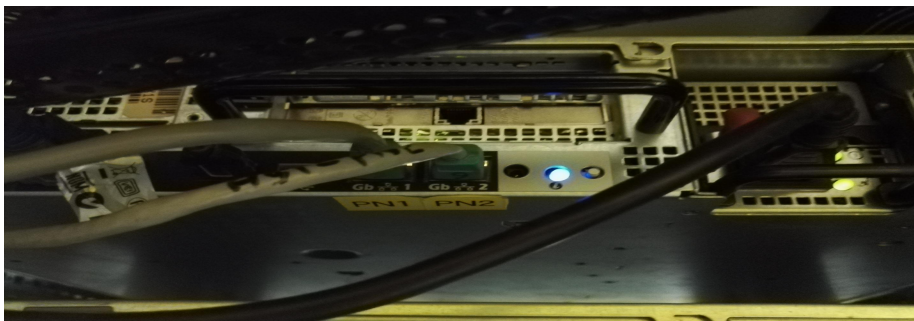
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- Press Ctrl-Alt-Del Button and provide User name & password to login the system.



- Ensure PN1 and PN2 Networking cables are connected in rear side of the server.



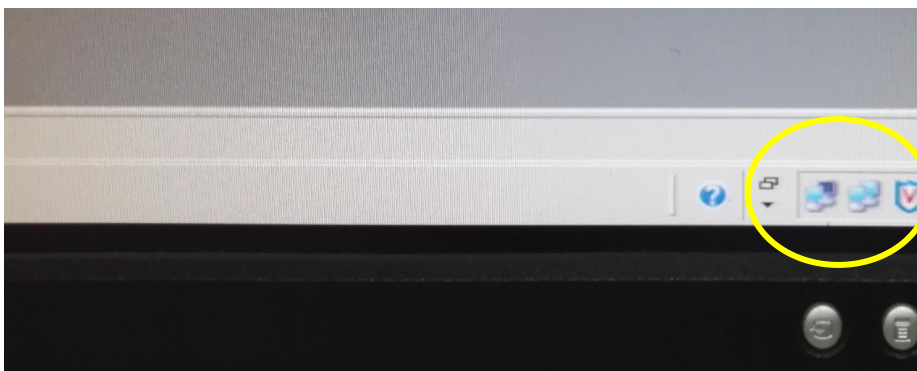
- Ensure PN1 & PN2 Networks is connected at right bottom of the system.



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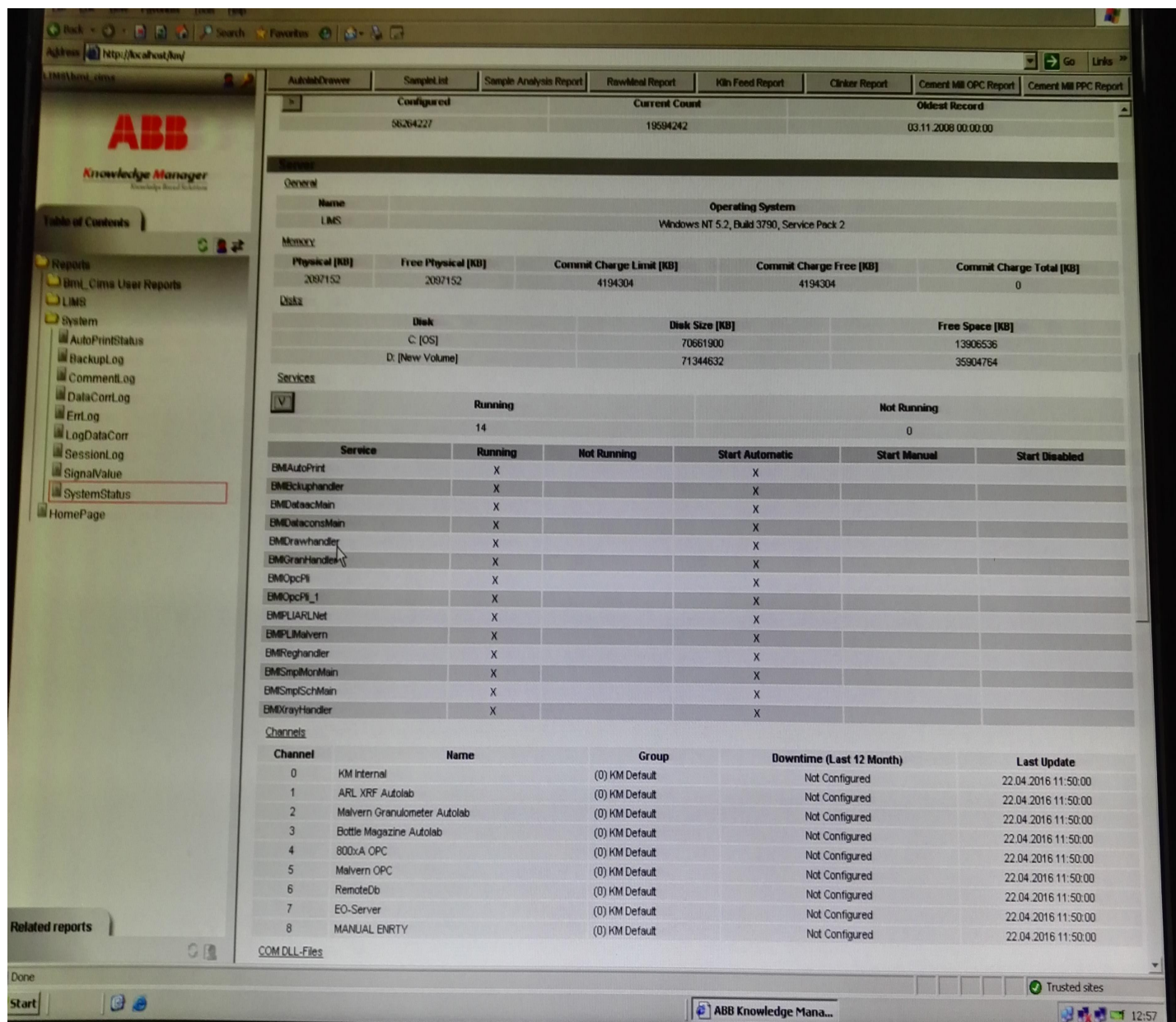
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- Open the internet explorer and type the following address and ensure all services are running.  
<http://localhost/km>
- Ensure X mark for all the services in Running Column.



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The screenshot displays the ABB Knowledge Manager interface. On the left, a 'Table of Contents' sidebar lists various reports and system components, with 'SystemStatus' highlighted. The main window shows a 'Configured' tab with a table of system parameters:

Configured	Current Count	Oldest Record
58264227	19594242	03.11.2008 00:00:00

Below this, the 'General' section shows the 'Operating System' as 'Windows NT 5.2, Build 3790, Service Pack 2'. The 'Memory' section provides a summary of physical and committed memory usage:

Physical [KB]	Free Physical [KB]	Commit Charge Limit [KB]	Commit Charge Free [KB]	Commit Charge Total [KB]
2097152	2097152	4194304	4194304	0

The 'Disks' section shows disk usage for C: [OS] and D: [New Volume]. The 'Services' section lists running and not running services, with a table showing the status of various ABB services:

Service	Running	Not Running	Start Automatic	Start Manual	Start Disabled
BMAutoPrint	X		X		
BMBckupHandler	X		X		
BMDatascMain	X		X		
BMDatascMain	X		X		
BMDrawHandler	X		X		
BMDrawHandler	X		X		
BMOpcPi	X		X		
BMOpcPi_1	X		X		
BMPILARLNet	X		X		
BMPILMalvern	X		X		
BMRghandler	X		X		
BMSmpMonMain	X		X		
BMSmpSchMain	X		X		
BMDrayHandler	X		X		

The 'Channels' section at the bottom lists various channels and their status:

Channel	Name	Group	Downtime (Last 12 Month)	Last Update
0	KM Internal	(0) KM Default	Not Configured	22.04.2016 11:50:00
1	ARL XRF Autolab	(0) KM Default	Not Configured	22.04.2016 11:50:00
2	Malvern Granulometer Autolab	(0) KM Default	Not Configured	22.04.2016 11:50:00
3	Bottle Magazine Autolab	(0) KM Default	Not Configured	22.04.2016 11:50:00
4	800xA OPC	(0) KM Default	Not Configured	22.04.2016 11:50:00
5	Malvern OPC	(0) KM Default	Not Configured	22.04.2016 11:50:00
6	RemoteDb	(0) KM Default	Not Configured	22.04.2016 11:50:00
7	EO-Server	(0) KM Default	Not Configured	22.04.2016 11:50:00
8	MANUAL ENRTY	(0) KM Default	Not Configured	22.04.2016 11:50:00

➤ Now the system is ready for operation.