

AUTOMATED TESTING FOR PRE-OS ENVIRONMENTS



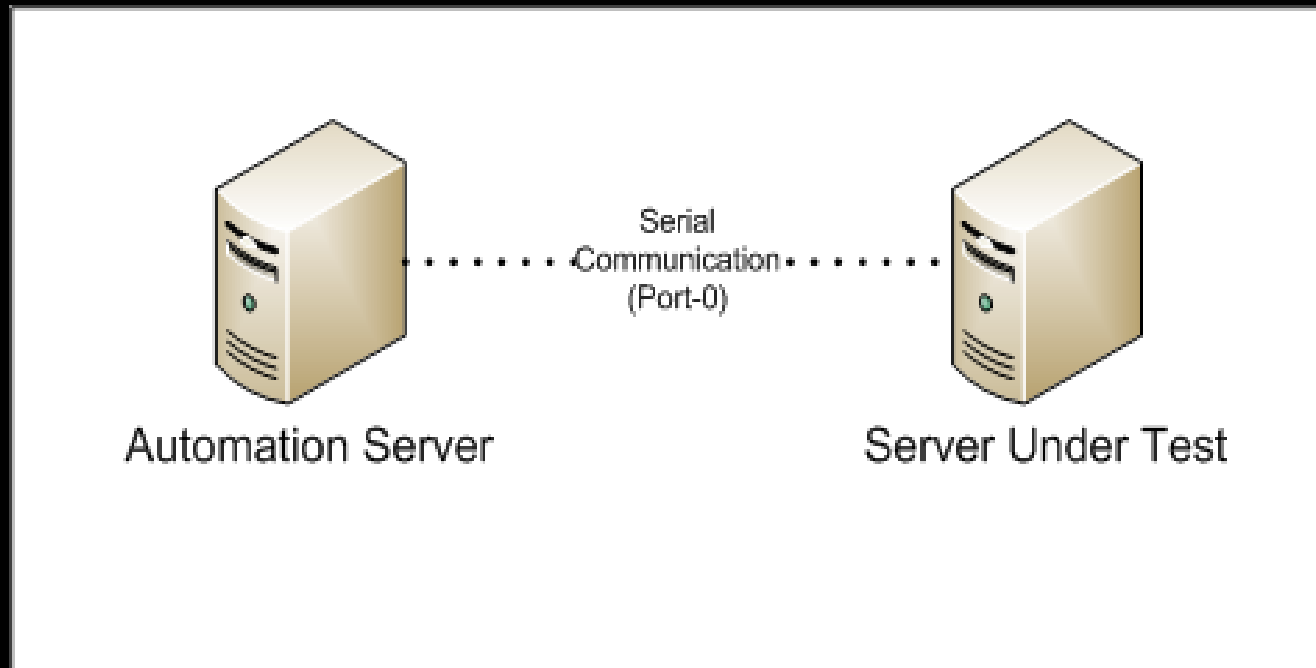
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AUTOMATING PRE-OS ENVIRONMENTS

- What are Pre-OS Environments?
 - BIOS(System BIOS – F2)
 - Diagnostics tools
 - 32-bit applications(Firmware updates)
- Why are we Automating?
 - To reduce manual interventions
 - To reduce validation cycle
 - Time to Market
- How are we Automating?
 - Using Automation server with Serial communication
 - Win32 Python module for Serial communication



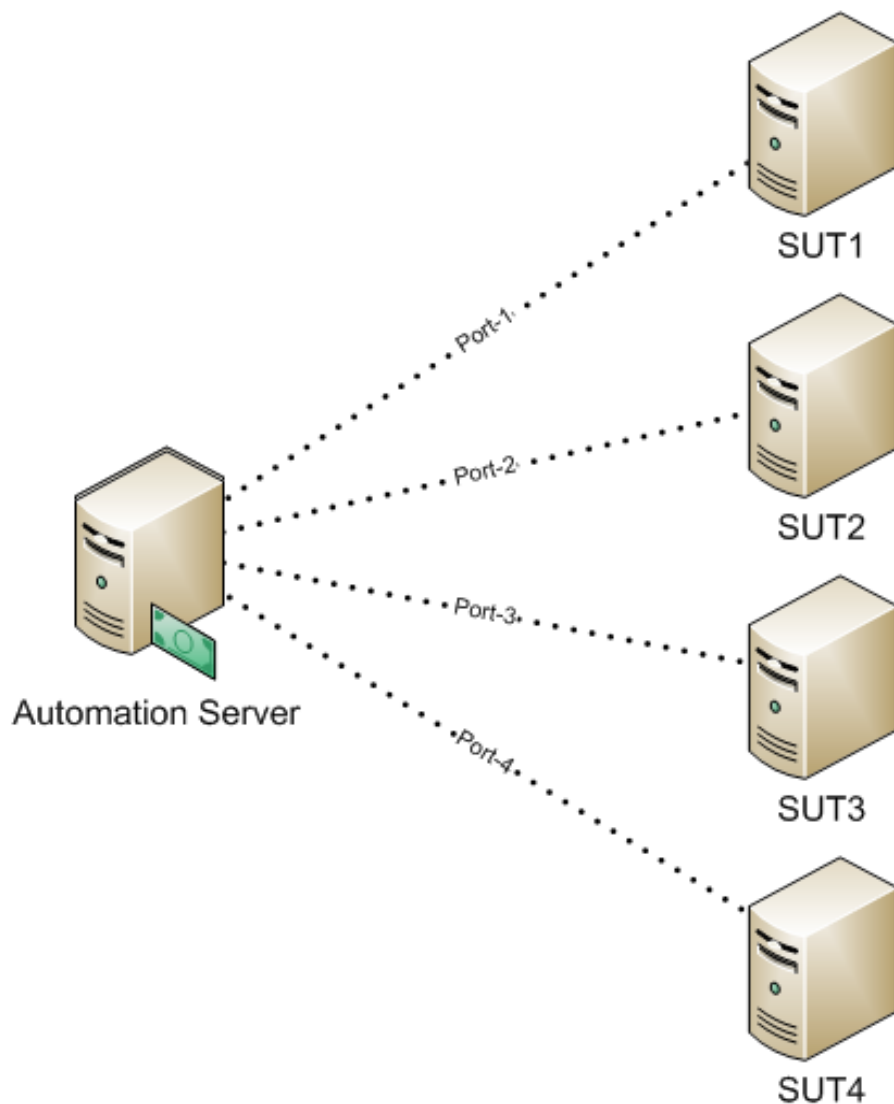
BLOCK DIAGRAM 1



HARDWARE FOR AUTOMATION



BLOCK DIAGRAM 2



BACKUP



DEMO

- Captaining BIOS Information
- Verifying the Virtualization Technology status
- Running Dell Diagnostics on multiple boot devices

