Build Additional DC

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Process Steps

Install 2003 Server R2

Install McAfee

Rum "`dcpromo`" and select "Additional DC" when asked (other options can be left as default)

Install DNS
- Add/Remove Programs -> Windows Components -> Networking Services
- Add DNS Forwarders (see "`DNS Forwarders List.txt`")

If this DC is to become PDC it will have to have FSMO roles transferred to it:

Before taking the PDC role

Set NTP Settings
- **Run** "`regedit`"
- HKLM\System\CurrentControlSet\Services\w32time\Parameters
      [NtpServer]   = ntp.adelaide.edu.au,0x1
      [Type]   = NTP
- HKLM\System\CurrentControlSet\Services\w32time\config
      [AnnounceFlags] = 5
- Restart "Windows Time" service via the "services" snap in

Take FSMO Roles
- **Run** "`ntdsutil`"
- **Type** "`roles`"
- **Type** "`connections`"
- **Type** "`connect to server <your new DC>`"
- **Type** "`q`"
- **Type** "`transfer domain naming master`"
- **Type** "`transfer infrastructure master`"
- **Type** "`transfer PDC`"
- **Type** "`transfer RID master`"
- **Type** "`transfer schema master`"
- **Type** "`q`"

Complications:

I have experienced the error:

> "The transfer of the operations master role cannot be performed because: The requested FSMO operation failed. The current FSMO holder could not be contacted"

This occurred while the existing PDC was running and contactable. No FSMO role could be transferred to the new DC.

To resolve this issue I simply restarted the existing PDC and this allowed the transfer to take place naturally.

Seizing Roles:

From what I have read, this is a very nasty way to take roles from the control of another DC. You should make sure the current PDC is offline and do not intend on bringing back on line either. This could cause major problems throughout the network. [Sorry I'll try to find some references to back up these claims.]