LVM: Extend an existing Volume Group by adding a new disk

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LVM: Extend an existing Volume Group by adding a new disk

```
# Tested on AIX 6.1

# First, verify the disk(s) to use on the VG with "lspv" or any other
similar tool.
# Ensure that disk is not being used/

lspv
   hdisk0          00f7136bab316a7a
rootvg          active
   hdisk1          00f7136b82d34d5a
datavg          active
   hdisk2          none                                None
   hdisk3          none                                None
   hdisk4          none                                None
   hdisk5          none                                None
   hdisk6          none                                None
   hdisk7          none                                None
   hdisk8          none                                None    <----
   hdisk9          none                                None


DISK=hdisk8
VG=datavg
```

```
# Check before

lsvg $VG
   VOLUME GROUP:       datavg                   VG IDENTIFIER:
00f7136b00004c000000013782d34d78
   VG STATE:           active                   PP SIZE:        128
megabyte(s)
   VG PERMISSION:      read/write               TOTAL PPs:      103
(13184 megabytes)   <----
   MAX LVs:            512                      FREE PPs:       0 (0
megabytes)
   LVs:                2                        USED PPs:       103
(13184 megabytes)
   OPEN LVs:           2                        QUORUM:         2
(Enabled)
   TOTAL PVs:          1                        VG DESCRIPTORS: 2
   STALE PVs:          0                        STALE PPs:      0
   ACTIVE PVs:         1                        AUTO ON:        yes
   MAX PPs per VG:     130048
   MAX PPs per PV:     1016                     MAX PVs:        128
   LTG size (Dynamic): 256 kilobyte(s)          AUTO SYNC:      no
   HOT SPARE:          no                       BB POLICY:
relocatable
   PV RESTRICTION:     none                     INFINITE RETRY: no



# Add disk to VG

extendvg $VG $DISK
   0516-1254 extendvg: Changing the PVID in the ODM.


# Check after

lspv
   hdisk0          00f7136bab316a7a
```

```
rootvg          active
   hdisk1          00f7136b82d34d5a
datavg          active
   hdisk2          none                                 None
   hdisk3          none                                 None
   hdisk4          none                                 None
   hdisk5          none                                 None
   hdisk6          none                                 None
   hdisk7          none                                 None
   hdisk8          00c6b1c5fa811973
datavg          active   <----
   hdisk9          none                                 None


lsvg $VG
   VOLUME GROUP:       datavg                   VG IDENTIFIER:
00f7136b00004c000000013782d34d78
   VG STATE:           active                   PP SIZE:        128
megabyte(s)
   VG PERMISSION:      read/write               TOTAL PPs:      206
(26368 megabytes)   <----
   MAX LVs:            512                      FREE PPs:       103
(13184 megabytes)
   LVs:                2                        USED PPs:       103
(13184 megabytes)
   OPEN LVs:           2                        QUORUM:         2
(Enabled)
   TOTAL PVs:          2                        VG DESCRIPTORS: 3
   STALE PVs:          0                        STALE PPs:      0
   ACTIVE PVs:         2                        AUTO ON:        yes
   MAX PPs per VG:     130048
   MAX PPs per PV:     1016                     MAX PVs:        128
   LTG size (Dynamic): 256 kilobyte(s)          AUTO SYNC:      no
   HOT SPARE:          no                       BB POLICY:
relocatable
   PV RESTRICTION:     none                     INFINITE RETRY: no
```