

**Start
Installation**

Install Hardware

Step 1. Unpack the array.
Step 2. Rack array
Step 3. Set FC Loop Speed switch to 1GB/s (VA 7400 with DS 2405 Disk System)
Step 4. Connect power cords
Step 5. Connect RS-232 terminal to either controller serial port
Step 6. Power on array controller enclosure

Configure Array Operating Settings

Step 7. Set controller port behavior (default - HPUX): **mgr -os behavior -c 1|2**
Step 8. Set port data rate (default - 1 Gbit/sec): **mgr -S 2 -c 1|2**
Step 9. Set port topology (default - Private loop): **mgr -t 2|4 -c 1|2**
Step 10. Set loop ID (defaults: C1 - 108, C2 - 110): **mgr -L loop_ID -c 1|2**
Step 11. Set RAID level (default: AutoRAID): **mgr -B raid1**
Step 12. Format array: **fmt**

Complete Hardware Installation

Step 13. Power off controller enclosure
Step 14. Disconnect RS-232 terminal
Step 15. Connect fiber optic cables
- Connect front-end cables to host/switch and controllers
- **VA 7400/7410 Only:**
- Connect back-end cables to disk enclosures
- Set address switches on disk enclosures
Step 16. Power on all array enclosures

Is the array connected
to a host already running
Command View SDM?

Yes

No

Discover New Array

Add array to management configuration by running the **armdiscover** command on a Command View host connected to the array.

Install Command View Software

Step 17. Install Command View software
- Install software on hosts and clients
- Set up host for remote client access

Configure Port Behavior and LUNs

Step 18. Gather host WWNs
- Run **armtopology** on Command View hosts
- Use OS or adapter utilities on other hosts
Step 19. Build host port behavior table
Step 20. Create LUNs
- Resize LUN 0 in single host environments
- Configure LUN 0 in multi-host environments
Step 21. Build LUN security table
Step 22. Connect all hosts to the array

**Installation
Complete**

Installation Flowchart

HP StorageWorks Virtual Arrays

VA 7000 Family

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i n v e n t

Manufacturing Part No.



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