

HP Microsoft Exchange Server 2003 Example Configuration

100 User, HP ProLiant ML150 G3, HP Smart Array E200i

Item	Detail	Quan.	Part Number	Description
Users	100	1	403112-B21	HP ProLiant ML150 G3 Hot Plug Model CTO Chassis
Server	Mailbox/Front End: ML150 G3 with 4GB	1	417557-L21	Dual-Core Intel® Xeon® processor 5130 (2.0 GHz, 1333 FSB, 65W), FIO
Storage	E200i controller with internal storage	1	331346-B21	CD-RW/DVD-ROM Combo Drive Option Kit
Availability	Microsoft Clustering: No	1	411508-B21	HP Smart Array E200/128 BBWC Controller
Mailbox size	250MB	1	HA104A3	HP 3y 4h 24x7 HW Support
Performance	.5 IOPs/user - medium	1	HA104A3 7HB	ProLiant Server ML150 HW Supp
Storage Groups / DB size	1 SG, 1 MDB / 35GB database	1	HA114A1	HP Installation and Startup Service
Assumptions	System, Logs and Databases on same disks (RAID10)	1	HA114A1 5A5	100 Series Hardware Installation
		2	397411-B21	HP 2GB FBD PC2-5300 2x1GB Kit
		4	375872-B21	HP 146GB 15K SAS 3.5 Hot Plug Drive



ProLiant ML150 G3

HP Microsoft Exchange Server 2003 Example Configuration Assumptions

- Example configuration based on best practices, extrapolation based on current test knowledge, and performance assumptions through discussions with Microsoft and HP resources
- This is an example; there are many additional server/storage options which would also meet the requirements
- User profiles
 - .5 IOPs/u; "medium" user profile (CPU burn rates)
 - 1.6x multiplier for deleted items, maintenance and recovery space
 - ~90% fill factor on database disks
 - Assumes 80% concurrency
- Storage choices
 - Unless otherwise noted, RAID10 is used for databases, and logs and databases on separate spindles (above 100 users)
- No consideration in this example for backup solutions, spares (unless otherwise noted), recovery storage groups, VSS plexes, etc.