

HP Microsoft Exchange Server 2003 Example Configuration

250 User, HP ProLiant ML350 G5, HP Smart Array E200i

Item	Detail
Users	250
Server	Mailbox/Front End: ML350 G5 with 2GB
Storage	E200i controller with internal storage
Availability	None
Mailbox size	165 MB
Performance	.7 IOPs/user - medium
Storage Groups / DB size	1 SG, 1 MDB / 66GB database
Assumptions	System, Logs and Databases on same disks (RAID10)

Quan.	Part Number	Description
1	417605-001	HP ML350T05 X2.33/1333 4M SAS Array Svr
3	397409-B21	HP 1G FBD PC2-5300 2x512 kit
6	375861-B21	HP 72GB 10K SAS 2.5 Hot Plug Hard Drive
1	HA113A1	HP Installation Service (included)
1	HA1047A3	HP 3y 4h 24x7 ProLiant ML350 HW Support (included)



ProLiant ML350 G5

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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
 - .7 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 100% concurrency
 - Minimum 165MB mailboxes
- 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.