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PowerShare: Calculating Users and Adding Servers (2/95)

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TOPIC -----

This article describes how to calculate the number of users per PowerShare Mail Server.

DISCUSSION -----

The PowerShare Mail Server has no logical limitation to the number of users per server. However, the existing Macintosh file system does impose some limitations; that is 2 GB, or 4 GB with System 7.5, maximum hard drive volume size. You may run only one copy of the PowerShare Mail Server per Macintosh accessing only one hard drive partition.

Here is a formula we recommend for sizing a server:

- (Average number of messages received per day + Average number of messages sent per day)
- Times the Average size of each message in kilobytes
- Times the Number of days users can leave mail in their mailboxes without deleting
- Divide the answer into the available hard disk storage in kilobytes

For example:

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.      200 + 300 = 500
.      500 x 1000 bytes (approximately 1K) = 500,000
.      500,000 x 10 = 5,000,000
.      100 MB (100,000,000) / 5,000,000 = 20
```

This means that the example Mail Server can support 20 users (maximum -- you should allow an extra 10MB for "housekeeping"). If you have more users than this, you can reduce the number of days a mail message is allowed to remain on the server, add another Macintosh Mail Server, or increase the amount of storage available for messages.

If you decide you need an additional Mail Server to support more users, or there

is limited free disk space on the PowerShare Mail Server, you can create another Mail Server on another computer and use it to store user queues. Because it is not possible to have more than one PowerShare Mail Server running on a Macintosh at the same time, you need to set up another server elsewhere on your network. This Macintosh must meet the basic PowerShare system requirements:

- At least one Macintosh computer (using a 68020 or later processor) with a hard disk.
- A minimum of 4 MB of memory for each installed PowerShare server.
- If both the PowerShare catalog server and the PowerShare Mail Server are installed on the same computer you require at least 8 MB.
- The PowerShare Server system requires system software version 7.1.1 or later. (The PowerShare Installer installs System 7.1.1 if it is needed.)

Setting up an additional Mail Server:

Step 1:

Install the PowerShare software on the Macintosh where the new server will reside. On restart, the PowerShare Easy Setup application starts and displays a dialog box informing you that the Easy Setup application requires some information to set up the PowerShare System.

Step 2:

Click the Later button in the dialog box.

Step 3:

Open the PowerShare Server Folder and double-click on the PowerShare Mail Server application to start it. A dialog box appears, prompting you for an administrator name and password and asking you to select a PowerShare System to join.

Step 4:

Choose a PowerShare System from the pop-up menu at the top of the window. If the System you want to join is not listed in the menu, choose Other. The PowerShare Admin application begins searching for available catalogs on the network, displaying a dialog box that indicates that a search is in progress.

Depending on the size of the network, the search can take from a few seconds to several minutes. Click Cancel to terminate the search. When all PowerShare Systems have been located, a dialog box appears listing the names of the available PowerShare Systems.

Step 5:

Click the PowerShare system you want to use, then click OK. You are returned to the dialog box, where you must now supply an administrator name and password.

Step 6:

In the appropriate fields, type the administrator name and password that was specified when the PowerShare System was set up.

Step 7:

When the information is complete, click OK. When your identity is authenticated, a dialog box appears prompting you for a name for new Mail Server record. The new server must have a unique name.

Step 8:

In the Server Name field, type a descriptive name.

Step 9:

Click New. The new PowerShare Mail Server starts up. The new server name is registered for use on the network and a status window appears, displaying information about the server's operation.

Because the Mail Server is brand new, no users are served by it. You can now begin assigning the Mail Server to users. Take time to plan the assignment, so management of the servers is easier. You might want to divide users by department, floor, geographic location, job function, or alphabetically.

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