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User and Group Manager: Server Specifics (8/96)

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TOPIC -----

Each type of network server that User and Group Manager supports, works in a unique way. In addition, each type of server has specific limitations and specifications. This article provides information about each server's specific characteristics, which may help you understand a problem you are having when you use User and Group Manager with the Apple Network Administrator Toolkit (ANAT).

DISCUSSION -----

Supported features

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The following table lists the features of User and Group Manager. A "Yes" in the column for each type of server (At Ease, AppleShare, or FirstClass) indicates that you can use the feature with that type of server.

Begin_Table

Feature	At Ease	AppleShare	FirstClass
Operations			

Create user	Yes	Yes	Yes
Create group	Yes	Yes	-
Delete user	Yes	Yes	Yes
Delete group	Yes	Yes	-
Rename user	Yes	Yes	-
Rename group	Yes	Yes	-
Add user to group	Yes	Yes	Yes
Remove user from group	Yes	Yes	Yes
Set user attributes	Yes	Yes	-
Set user password	Yes	Yes	-
User types			

Administrator	Yes	Yes	Yes
User	Yes	Yes	Yes
Group Administrator*	Yes	-	-

User settings

Allow user to login	Yes	Yes	-	
Allow user to change password	Yes	Yes	-	
Require new password	Yes	Yes	-	

End_Table

* The Group Administrator corresponds to the At Ease Workgroup Administrator.

Server characteristics

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This section lists certain unique characteristics in the ways User and Group Manager works with each type of server.

To use User and Group Manager with an AppleShare or FirstClass server, you must install the User and Group Manager server software on the server.

This software, called an agent, receives requests for information or for changes to existing information from the User and Group Manager application and communicates them to the server. The server software returns the requested information or the results of the change.

At Ease servers

- Before you use the User and Group Manager application with an At Ease server, you must create an At Ease Administrator for the server using At Ease Administration.
- The User and Group Manager application mounts the At Ease server volume and makes changes directly to the At Ease database.
- If an error occurs, a message appears in the User and Group Manager application to explain the problem.

AppleShare file servers

- The User and Group Manager server software for AppleShare, called AppleShare Agent, must be installed on the AppleShare server.
- User and Group Manager communicates with the AppleShare Agent software to make changes to user and group information on the server.
- You cannot use the User and Group Manager application with an AppleShare server if the AppleShare Admin application is open on the server.
- If an error occurs, a message appears in the User and Group Manager application to explain the problem.

FirstClass servers

- The User and Group Manager server software for a FirstClass server is called FirstClass Agent. It must be installed on the server to use the User and Group Manager application with a FirstClass server.
- FirstClass Agent communicates with the FirstClass server as a FirstClass gateway. See Appendix B in part four of the Apple Network Administrator Toolkit Manual to learn how to configure the FirstClass server to communicate with this gateway.
- FirstClass servers version 2.7.1 or earlier take approximately six minutes to respond to any request from User and Group Manager. This delay occurs the first time you open the server information window for the FirstClass server and when you change user or group information.
- FirstClass Agent accumulates change requests from User and Group Manager until it does not receive a change request for 15 seconds. It then opens a connection with the FirstClass server and sends the requests as a "batch admin" request.
- FirstClass Agent cannot notify User and Group Manager when the FirstClass server completes requested changes or when an error occurs. It does forward the "batch admin" log file to the "Admin" mail account on the FirstClass server. Using the FirstClass client software, you can log in as the "Admin" user and read the replies in your Mailbox.

Server specifications

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This section provides detailed information about the specifications for each type of server.

At Ease server

Maximum number of users: 4000
 Maximum number of groups: 200
 Maximum groups per user: 200
 Maximum users per group: 1000
 Minimum password length: 0 characters
 Maximum password length: 31 characters
 Minimum user name length: 1 character
 Maximum user name length: 31 characters
 Requires unique user and group names: no

AppleShare server

Maximum number of users: 4000
 Maximum number of groups: 400
 Maximum groups per user: 42
 Maximum users per group: 4000
 Minimum password length: 0 characters (1)
 Maximum password length: 8 characters (1)
 Minimum user name length: 1 character
 Maximum user name length: 31 characters
 Requires unique user and group names: yes

(1) User and Group Manager does not support password length limits that can be set in AppleShare Admin.

FirstClass server

Maximum number of users: 4000 (1)
Maximum number of groups: 200 (2)
Maximum groups per user: 200
Maximum users per group: 1000
Minimum password length: 0 characters
Maximum password length: 12 characters
Minimum user name length: 1 character
Maximum user name length: 15 characters
Requires unique user and group names: yes

(1) User and Group Manager cannot determine the number of users for which the server is licensed.

(2) User and Group Manager cannot create groups on a FirstClass server.

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