

Making the Most of Your StorCenter: Managing Users, Groups, and Shares

This white paper will walk you through the process of enabling security on your StorCenter, managing users and groups, and managing and using shared folders.

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Introduction

By default your StorCenter ships with a few unsecured shared folders. In just a couple of minutes, you can configure users and groups. Once the users and/or groups are created you can assign individual privileges to shared folders. This white paper will walk you through the process of enabling security on your StorCenter, managing users and groups, and managing and using shared folders.

Enabling Security

By default, the Iomega StorCenter device does not burden you with the requirement of creating an administrator, with user name and password, that requires you to log in to your own device. In the default setup, any user on your local network can access and configure your Iomega StorCenter device and security is provided by your local area network. However, if you have data you wish to secure, want to create unique users or groups, would like to create secure folders, plan to use Active Directory, or require additional security, you can optionally enable security.

Access the Security Settings page by navigating to the Settings tab and clicking **Security Settings**.

When you enable security, you will be asked to create an administrator user. With security enabled, only administrator users can view or change settings on the Iomega StorCenter device, including creating or deleting users and folders. When security is enabled, data contained within public folders can still be accessed by anyone within your local network. To secure any sensitive data, create a secure folder and move your sensitive data into that folder for safe keeping.

1. Access the Security Settings page by navigating to the Settings tab and clicking **Security Settings**.
2. Select the **Enable security** checkbox. When Enable security is selected, the create an administrator user fields display.

NOTE: When security is enabled, browser communications with the device are encrypted. Therefore, each computer that attempts to access the StorCenter device may encounter a security warning, which can be safely ignored. In addition, you may be asked to accept a signed certificate for the StorCenter device, which you should accept. If you change the device name at a later date, these warnings may appear again.

3. Enter the following information to create an administrator user:
 - **Username**—Enter the username for an administrator user to be created. This will be the first administrator user created and the only user that can initially log into this Iomega StorCenter device. A username can be a maximum of 32 characters and spaces are not allowed.
 - **Password**—Create a password for this administrator user. For stronger security, it is recommended that the password be between 8 and 12 characters; spaces are not allowed.
 - **Confirm Password**—Re-enter the password. If the text in this field does not match the text in the Password field, an error will be returned.
 - **Remember Username and Password**—Check if you wish to have this username and password remembered on this computer in the future. When checked, you



will not have to enter the login information when accessing the device from this computer.

NOTE: Iomega StorCenter administrators do not have access to all folders by default. Access rights to folders must be granted explicitly to administrators, as with other users.

Click **Apply** to save your settings.

Managing Users

Creating a New User

Adding Local Users:

1. Log in as an administrator. Navigate to the **Users** tab and click **Add** near the bottom of the page or, from the **Home** tab, click **Add Users**. The Add User page opens.
2. You can click **Cancel** at any time to exit the current operation and return to the Users page or the Home page.
3. Enter the following information:

Username—enter the username of the user to be created. This will be the username provided when logging into the Iomega StorCenter device. There is maximum of 32 characters and spaces are not allowed.

Password—create a password for the user. The password should be between 8 and 12 characters. Spaces are not allowed.

Confirm Password—Re-enter the new password. If the text in this field does not match the text in the Password field, an error will be returned.

Descriptive Name—add a descriptive name to identify the user. For example, if you created a user with a Username of jsmith, you may want to add the Descriptive Name Joe Smith.

Administrator—check this box if you would like to allow this user to manage the Iomega StorCenter device.

NOTE: An administrator does not inherently have access to all shared folders. Access to shared folders must be granted explicitly to administrators, as with other users.

Create a secured Shared Folder for this user—check this box if you would like to create a secured shared folder for this user. The created shared folder will have the new user's name and will give access only to that user. If you do not wish to create a secured shared folder for this user on the device, uncheck this checkbox.

4. Click **Next** to grant Shared folder access rights for this user.
5. Set the access rights for the user to access the available shared folders. An administrator can modify access rights to any Shared folder by selecting **Read/Write**, **Read**, or **None** for that shared folder. Unsecured shared folders are not displayed in the list since access to them cannot be restricted.



6. Once you have finished setting the access rights for the user, click **Apply** to add the user. If the user was created successfully, a confirmation page will display. Click **OK** to return to the Users page or the Home page.

Adding ADS Users:

When you enable and configure Active Directory using the StorCenter Manager, it associates the StorCenter with the Active Directory controller, but does not automatically add all domain users to StorCenter Manager.


Individual users are added once they access the StorCenter with a valid Active Directory username and password. At that time, their username will be added to the list of users and a secured Shared folder will be created for that user. A secured Shared folder provides each user with a private, secured area to save files. By default the public and Backups Shared folder are Read/Write access for all users and therefore publicly accessible by all users.

When Active Directory is enabled, all new users are automatically denied access to existing secure shared folders. Users must first access the StorCenter before an administrator can grant them access to a Shared folder. A user must exist in the User Accounts page of the StorCenter Manager before an administrator can grant them access to a Shared folder.

NOTE: Administrators cannot add, delete, or modify user accounts displayed in the StorCenter Manager when Active Directory is enabled. All user account management must be performed through the domain controller.

Modifying Users

NOTE: Only administrators can perform this operation. Non-administrator users can change only the descriptive name and password for themselves (1 step process), whereas an administrator user can change the descriptive name, password, and the Shared folder access privileges for any user (2 step process). When logged in as an administrator, user information is found on the Users tab. When logged in as a non-administrator, user information is found on the User Information tab.

1. From the **Action** column of the Users table, click  to modify a user's properties. The Modify User page opens. This is Step 1 of 2.
2. To modify the descriptive name of the user, used to provide a more familiar means to identify a user's login name, type a new descriptive name. The descriptive name can be up to 64 characters and spaces are allowed.
3. To add or remove administrative privileges, check or uncheck the **Administrator** checkbox.

NOTE: StorCenter administrators do not have access to all shared folders by default. Access rights to shared folders must be granted explicitly to administrators, as with other users.

4. To change the password for the user, choose **Yes**. When Yes is selected, the password fields display. Type a new password for the user. For added security, the password should be between 8 and 12 characters. Spaces are not allowed. Confirm the password in the **Confirm Password** textbox. If the text in this field does not match the text in the Password field, an error displays.
5. Click **Next** to modify access privileges for the user. This is Step 2 of 2. Access privileges to any Shared folder can be modified by selecting **Read/Write** (able to




open, add, copy, modify, and delete files), **Read** (able to open files only for viewing or listening), or **None** (no access to that Shared folder or its content). Access cannot be restricted to unsecured (or public) shared folders.

6. Click **Apply** to update the user's properties. If the update was successful, a confirmation page displays showing the updated properties. Click **OK** to return to the main page of the **Users** tab.

Deleting a User

Only administrators can delete users from the device. You cannot delete the currently logged-in administrator user.

1. From the **Action** column of the **Users** table, click  to delete the user. The **Delete** page opens.
2. If you do not wish to delete the user, click **Cancel** to return to the **Users** page without deleting the user.
3. Select the checkbox to confirm deletion of the user.
4. Click **Apply** to delete the user.

Managing Groups

Administrators can grant individual users access rights to shared folders on the Iomega StorCenter device. Groups provides administrators with the added ability to create one or more groups and grant each group rights to shared folders on the Iomega StorCenter device. Groups can contain one or more groups and one or more users and users can belong to more than one group. When groups are defined, a user's access rights are the most rights granted to the user and all groups to which the user belongs.

Access the **Groups** page by navigating to the **Settings** tab and clicking **Groups**.

By default, there are no groups defined. Once an administrator defines one or more groups, the **Groups** functionality is dynamically available when creating, modifying, and viewing users, shared folders, and groups. In addition, the help is dynamically updated with the appropriate content whether groups are defined or not.

To view the current list of users, click the **Users** link.

Managing groups in Active Directory mode

If you are running with Active Directory enabled, as opposed to Workgroup mode, the administrator will have the ability to view Active Directory groups, add them to the Iomega StorCenter device, and change the group's Shared folder access. However, when Active Directory is enabled, the administrator cannot create, modify, or update group or user permissions using the Iomega StorCenter Manager as these features are hidden. The administrator must adjust permissions on the Active Directory domain controller.

Managing Shared Folders

Shares or Shared folders are folders that are accessible by other computers or devices on a network. When you connect to a network device, shared folders will always appear at the root level. Shared folders are a convenient way to organize your shared files.



You can create either secured or unsecured folders on your StorCenter ix2. Unsecured shares are available to everyone on the network. Secured shares require a password.

Your StorCenter ix2 uses user-level security, which requires that each user has a unique user name and password.


Creating a Shared Folder

1. From the **Shared Folders** tab, click **New** (near the bottom of the page) or from the **Home** tab click **Add shared Folders**. The **Add Shared Folder** page opens.
2. Type a name for the shared folder. All shared folders must have a name. Names cannot exceed 32 characters.
3. Choose whether to enable security for this shared folder. If you uncheck **Enable Security**, everyone on the network is granted read/write access to the shared folder without having to enter credentials; you cannot limit or configure individual user access to this shared folder. Anyone with access to the network can open, copy, modify, add, or delete files within the shared folder.

If you check **Enable Security**, the administrator can grant users either **Read/Write** or **Read** access to the shared folder, or deny access completely by setting access to **None**.

4. Check **Connect the new shared folder to this computer** to automatically connect this shared folder upon creation. If you uncheck this option, this shared folder can be connected later by accessing the Home tab's Connect Shared folder link.
5. If you have:
 - checked **Enable Security**, click **Next** to set access rights for the Shared folder. Continue to set access rights in the next step.
 - unchecked **Enable Security**, click **Apply** to create the shared folder. Skip to the last step, where a confirmation page displays.
6. You can set access rights to either **Read/Write**, **Read**, or **None** for each user. Select the **Allow unsecured read access** checkbox to grant all users either **Read/Write** or **Read** access to the shared folder, though you cannot completely deny a user access to this shared folder with this setting.
7. Click **Apply** to create the Shared folder.
8. If the Shared folder was created successfully, a confirmation page displays. Click **OK** to return to the shared folders page.


Modifying a Shared folder

1. While logged in as an administrator, click  from the **Action** column of the **Shared Folders** table to modify the shared folder's properties. The **Modifying Shared Folders** page opens.
2. To modify the name of the Shared folder, type a name for your shared folder. All shared folders must have a name. Names cannot exceed 32 characters.
3. Check the **Enable security** button if you want to allow only specified users to access the shared folder.



4. Click **Next**.
5. Check the **Allow Unsecured Read Access** option if you want everyone on the network to have read-only access to this folder.
6. Click the **Read/Write, Read,** or **None** button next to each user to set the user's permissions to this shared folder.
7. Click the **Apply** button to save your shared folder permissions.
8. If the shared folder was updated successfully, a confirmation page displays showing the name of the shared folder you created along with a list of all users and their access privileges. Click **OK** to return to the shared folders page.

Deleting a Shared folder

1. From the **Action** column of the **Shared Folders** table, click  to delete the shared folder. The **Delete Shared Folder** page opens, alerting you with the message: *Deleting a Shared folder will permanently destroy all of its contents.*
2. If you are sure that you want to delete the specified Shared folder and all of its contents, select the checkbox and click **Apply**. Once complete, the deleted Shared folder will no longer be available.

NOTE: If you do not wish to delete the Shared folder, click **Cancel** to return to the shared folders list page.

Connecting to Shared Folders

The simplest way to connect to the shared folders on your StorCenter device is to run the StorCenter ix2 Manager software. StorCenter ix2 Manager is included on the Solutions CD that came with your drive. Once installed, the StorCenter ix2 Manager software will run automatically. StorCenter ix2 Manager will automatically connect you to the shared folders that you have permission to access. You can configure which shares are automatically connected by clicking **Access Shared Folders** on the StorCenter ix2 Manager Home screen. Simply check the folders to which you wish to be connected and click **Apply**. Once StorCenter ix2 Manager has connected to the shared folders, your computer should reconnect to the StorCenter automatically every time it is restarted. StorCenter ix2 Manager is available for Windows, Mac OS X, and Linux.

In some cases, you may wish to connect to the shared folder without using the StorCenter ix2 Manager. The following instructions describe how this is done:

Mapping a Drive Letter in Windows:

This process will map a drive letter to the StorCenter device.

1. Open an Explorer window.
2. Select Map **Network Drive...** from the **Tools** menu.
3. Select the Drive letter to which you wish to map the shared folder.
4. In the Folder text area, enter `\\<IP Address>\<Share Name>` or `\\<Device Name>\<Share Name>`.



NOTE: <Device Name> refers to the Storage Device Name setting you entered during the initial configuration. <Share Name> refers to the shared folder you would like to access. The default folders on the StorCenter device are **public** and **Backups**. If you have created users there also may be a shared folder for each user.

Example: \\StorCenter\public or \\192.168.0.55\public

5. Check the **Reconnect at Login** option if you wish to reconnect to this drive letter when restarting your computer.
6. Click **Finish** to confirm the drive map.
7. Enter the Username and Password, if necessary, to connect to the shared network folder.
8. Verify that the mapped network drive shows up correctly in My Computer.

NOTE: You may need to map new drive letters if you make changes to StorCenter device users and shares.

Accessing Shares in Mac OS X:

If you are using Mac OS X v. 10.5 (Leopard) the StorCenter device should automatically appear in the left hand navigation bar of the Finder window under the heading **SHARED**. In some cases, you may need to click on **ALL...** and browse to your network drive. If you are using a version of Mac OS X other than 10.5 or could not find your network drive, use the following instructions:

1. Select **Connect to Server...** from the Finder's **Go** menu.
2. Enter **smb://<Device IP address>** or **smb://<Device Name>.local.**, then click **Connect**.

NOTE: <Device Name> refers to the Storage Device Name setting you entered during the initial configuration.

NOTE: See Finding the IP Address in Mac OS X (below) for information on finding the IP address or device name of the StorCenter device.

3. If you are not using secured shares, click the **Guest** radio button; otherwise, enter a user name and password, then click **Connect**. The default shares do not require a user name or password.
4. Select the share you wish to mount, then click **OK**.
5. The share will appear on the Desktop.

Finding the IP Address in Mac OS X

To find the StorCenter device on your network:

NOTE: The client computer must be on the same subnet or network segment as the StorCenter device.

1. Launch the Terminal application located in the Utilities folder.
2. Enter the command **findsmb** and hit **enter**. This may take a moment to run.



3. The find smb tool will return a list of all the devices it finds on your network. Locate the StorCenter device on the list.

```
Terminal — bash — 80x24
Last login: Thu Apr 26 15:46:25 on ttty1
Welcome to Darwin!
localhost:~ test$ find smb
                                *=DMB
                                +=LMB
IP ADDR      NETBIOS NAME  WORKGROUP/OS/VERSION
-----
169.254.225.235 STORAGE-E00B [WORKGROUP] [Unix] [Samba 3.0.23c]
localhost:~ test$
```

NOTE: The default name for your StorCenter device is **StorCenter**. If you have changed the name of your StorCenter device, look for that name on the list.

4. Use the IP address or device name listed in find smb to connect to shared folders.

Shares are Automatically Disconnected When Users and Groups are Modified

Modifying users and groups will cause the 150d's Samba (SMB file sharing) service to restart. When this service restarts, all current connections will be interrupted. Your computer should automatically reconnect to the share once the service has been restarted. If your connection is not restored, use the Iomega Discovery Too Pro software to reconnect to the 150d.

CAUTION! Do not create new users and groups while the StorCenter is performing a data transfer. When the connection is severed, the data transfer will be interrupted and data may be lost.



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