Prepare for installation

Connect a monitor, keyboard, and mouse directly to the storage system.

Procedure

1. Install the rail kit or tower-to-rack conversion kit by following the instructions. After logging in for the first time, the Welcome screen of the Rapid Startup Wizard opens.

For detailed instructions and best practices for managing your storage, see the HP StorageWorks All-in-One Storage System Administration Guide.

NOTE: The HP StorageWorks All-in-One Storage System unifies various technologies using a common management solution. Because these technologies tightly interact with each other, it is important to use the official HP All-in-One Storage System patch and update process as the ONLY METHOD to update supporting software technologies such as HP Data Protector Express, Microsoft iSCSI Target software, etc. Do not independently update these supporting software technologies.

Install the storage system hardware and power on

1. Install the rail kit or tower-to-rack conversion kit by following the HP StorageWorks All-in-One Storage System installation instructions.

2. If connecting to the storage system using the direct attach method, connect the following cables to the back panel of the storage system in the following sequence: keyboard, mouse, network cable, monitor cable, and power cable. If connecting to the storage system using either the remote browser or remote desktop method, connect only the network cable and power cable.

3. Power on the system by pushing the power button on the front panel. Remove the bezel if needed. The system starts and displays the following screen:

For detailed instructions on using each of these access methods, see Chapter 3 of the HP StorageWorks All-in-One Storage System Installation Guide.
Prepare for installation

Check kit contents

Unpack the HP All-in-One Storage System and confirm that the following components are included:

- HP StorageWorks All-in-One Storage System
- Bezel, bezel brackets, and screws
- Power cord
- Slide rail assembly
- Documentation Kit, Safety and Disposal Documentation CD
- HP StorageWorks All-in-One Storage System Recovery DVD
- End User License Agreement
- Certificate of Authenticity card

Determine a network access method

Before installing the storage system hardware, decide on an access method that will be used to connect to the storage server. If your network does not have a Dynamic Host Configuration Protocol (DHCP) server, you must connect using the direct attach method. If your network has a DHCP server, you can connect using other methods as described in the table.

<table>
<thead>
<tr>
<th>Access method</th>
<th>Procedure</th>
<th>Requirements</th>
</tr>
</thead>
<tbody>
<tr>
<td>Direct attach</td>
<td>Connect a monitor, keyboard, and mouse to the system.</td>
<td>Mandatory if no DHCP server on network.</td>
</tr>
<tr>
<td>Remote browser</td>
<td>Access the storage system through a client running Internet Explorer 5.5 (or later).</td>
<td>ActiveX controls must be enabled on the remote client and the serial number or IP address of the storage system is required.</td>
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<td>Remote desktop</td>
<td>Access the storage system through a client running Remote Desktop Connection.</td>
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For detailed instructions on using each of these access methods, see Chapter 3 of the HP StorageWorks All-in-One Storage System Installation Guide.

Install the storage system hardware and power on

1. Install the rail kit or tower-to-rack conversion kit by following the HP StorageWorks All-in-One Storage System installation instructions.

2. If connecting to the storage system using the direct attach method, connect the following cables to the back panel of the storage system in the following sequence: keyboard, mouse, network cable, monitor cable, and power cable. 
   - or -
   If connecting to the storage system using either the remote browser or remote desktop method, connect only the network cable and power cable. 

   **NOTE:** The keyboard, mouse, and monitor are not provided with the HP All-in-One Storage System.

3. Power on the system by pushing the power button on the front panel. Remove the bezel if needed. The system starts and displays the following screen:

   **Finalizing Installation. Please wait.**

   The installation process takes approximately 1-15 minutes and requires no user interaction.

   **NOTE:** If you plan to migrate data from application servers on your network, you can use this time to install the required HP All-in-One Storage System Agent on those servers. For more information, see Step 5 of these instructions.

When the HP StorageWorks All-in-One Storage System installation process is complete, the system prompt appears.

4. At the system prompt, enter the default user name and password: 
   - user name = administrator
   - password = Topi916

   After logging in for the first time, the Welcome screen of the Rapid Startup Wizard opens.
Overview
The HP StorageWorks All-in-One Storage System is a multi-function storage solution that includes the following functions:

- File serving
- Print serving
- Exchange storage
- SQL server storage
- Application storage
- Data protection

Other optional features such as replication and snapshots ensure that your data is always available and safe.

In this example deployment scenario, network clients connect to the HP All-in-One Storage System over the standard LAN infrastructure, and utilize this connection for life serving and print serving. Exchange and SQL servers connect to the HP All-in-One Storage System through a separate dedicated LAN. The purpose of the dedicated LAN is to provide storage for the databases using the iSCSI protocol. This guarantees dedicated network bandwidth for database storage as well as increased security. HP strongly recommends configuring all iSCSI-based storage for application servers on a dedicated Ethernet subnet.

For detailed instructions and best practices for managing your storage, see the HP StorageWorks All-in-One Storage System Administration Guide.

NOTE: The HP StorageWorks All-in-One Storage System unifies various technologies using a common management solution. Because these technologies tightly interact with each other, it is important to use the official HP All-in-One Storage System patch and update process as the ONLY METHOD to update supporting software technologies such as HP Data Protector Express, Microsoft iSCSI Target software, etc. Do not independently update these supporting software technologies.

Prepare for installation
Check kit contents
Unpack the HP All-in-One Storage System and confirm that the following components are included:

- HP StorageWorks All-in-One Storage System
- Bezel, bezel brackets, and screws
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- Documentation Kit, Safety and Disposal Documentation CD
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- End User License Agreement
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Determine a network access method
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For detailed instructions on each of these access methods, see Chapter 3 of the HP StorageWorks All-in-One Storage System Installation Guide.

Install the storage system hardware and power on
1. Install the rail kit or tower-to-rack conversion kit by following the HP StorageWorks All-in-One Storage System installation instructions.
2. If connecting to the storage system using the direct attach method, connect the following cables to the back panel of the storage system in the following sequence: keyboard, mouse, network cable, monitor cable, and power cable.

   NOTE: The keyboard, mouse, and monitor are not provided with the HP All-in-One Storage System.

3. Power on the system by pushing the power button on the front panel. Remove the bezel if needed. The system starts and displays the following screen:

   ![HP StorageWorks All-in-One Storage System](image)

   **Finishing Installation:**

   Please wait.

   The installation process takes approximately 10-15 minutes and requires no user interaction.

   NOTE: If you plan to migrate data from application servers on your network, you can use this time to install the required HP All-in-One Storage System Agent on those servers. For more information, see Step 5 of these instructions.

4. At the system prompt, enter the default user name and password:

   user name = administrator
   password = E3pine

   After logging in for the first time, the Welcome screen of the Rapid Startup Wizard opens.
About this document

These instructions are intended for professionals who will be installing, setting up, and configuring the HP All-in-One Storage System.

Experience with Microsoft® administrative procedures and system and storage configurations is helpful, but not required.

The Quick Start poster provides you with basic instructions to get up and running using the system default options. For more detailed information, or information about non-default options available to you, refer to the documentation included with your product.

Other HP documentation can be found with this product, on the documentation CD, and on the HP documents Web site at: http://www.hp.com/support/manuals.

Important safety information

Important Safety Information

- Before installing, setting up, and operating the HP All-in-One Storage System, read the Important Safety Information. For more information, see Step 4 of these instructions.

- Remove all jewelry and watchbands. Do not wear loose clothing or clothing that could be caught in moving parts.

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HP StorageWorks All-in-One Storage System quick start instructions

1. Overview

The HP StorageWorks All-in-One Storage System is a multi-function storage solution that includes the following functions:

- File serving
- Print serving
- Exchange storage
- SQL server storage
- Application storage
- Data protection

Other optional features such as replication and snapshots ensure that your data is always available and safe.

In this example deployment scenario, network clients connect to the HP All-in-One Storage System over the standard LAN infrastructure, and utilize this connection for life serving and print serving. Exchange and SQL servers connect to the HP All-in-One Storage System through a separate dedicated LAN. The purpose of the dedicated LAN is to provide storage for the databases using the iSCSI protocol. This guarantees dedicated network bandwidth for database storage as well as increased security. HP strongly recommends configuring all iSCSI-based storage for application servers on a dedicated Ethernet subnet.

For detailed instructions and best practices for managing your storage, see the HP StorageWorks All-in-One Storage System Administration Guide.

NOTE: The HP StorageWorks All-in-One Storage System unifies various technologies using a common management solution. Because these technologies tightly interact with each other, it is important to use the official HP All-in-One Storage System patch and update process as the ONLY METHOD to update supporting software technologies such as HP Data Protector Express, Microsoft iSCSI Target software, etc. Do not independently update these supporting software technologies.

2. Prepare for installation

Check kit contents

Unpack the HP All-in-One Storage System and confirm that the following components are included:

- HP StorageWorks All-in-One Storage System
- Bezel, bezel brackets, and screws
- Power cord
- Slide rail assembly
- Documentation Kit, Safety and Disposal Documentation CD
- HP StorageWorks All-in-One Storage System Recovery DVD
- End User License Agreement
- Certificate of Authenticity card

Determine a network access method

Before installing the storage system hardware, decide on an access method that will be used to connect to the storage server. If your network does not have a Dynamic Host Configuration Protocol (DHCP) server, you must connect using the direct attach method. If your network has a DHCP server, you can connect using other methods as described in the table.

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For detailed instructions on using each of these access methods, see Chapter 3 of the HP StorageWorks All-in-One Storage System Installation Guide.

3. Install the storage system hardware and power on

1. Install the rail kit or tower-to-rack conversion kit by following the HP StorageWorks All-in-One Storage System installation instructions.

2. If connecting to the storage system using the direct attach method, connect the following cables to the back panel of the storage system in the following sequence: keyboard, mouse, network cable, monitor cable, and power cable.

   - If connecting to the storage system using either the remote browser or remote desktop method, connect only the network cable and power cable.

   NOTE: The keyboard, mouse, and monitor are not provided with the HP All-in-One Storage System.

3. Power on the system by pushing the power button on the front panel. Remove the bezel if needed. The system starts and displays the following screen:

   - HP StorageWorks All-in-One Storage System

   Warning: Please wait.

   The installation process takes approximately 1-5 minutes and requires no user interaction.

   NOTE: If you plan to migrate data from application servers on your network, you can use this time to install the required HP All-in-One Storage System Agent on those servers. For more information, see Step 5 of these instructions.

When the HP StorageWorks All-in-One Storage System installation process is complete, the system prompt appears.

4. At the system prompt, enter the default user name and password:

   user name = administrator
   password = tippriv

   After logging in for the first time, the Welcome screen of the Rapid Startup Wizard opens.

Læs dokumentet

Tärkeisiin tuotetta liittyviin tietoihin – Documentation Kit

Vi voin pyytää tärkeisiä säuremäisiin esimerkkejä

Läs dokumentet

Az important sikkerhetsinformasjon

Prima étape viktig sikkerhetsinformasjon

Vi viste rapporter om dokumentasjonen før du installerer dette produktet.

Læs dokumentet

Vi viste rapporter om dokumentasjonen før du installerer dette produktet.
Set up the system with the Rapid Startup Wizard

The Rapid Startup Wizard guides you through setting up your system with basic configuration information. Before migrating data from other applications or configuring other storage settings, you should complete the Rapid Startup Wizard.

1. On the Rapid Startup Wizard Welcome screen, click Next.

2. On each screen of the wizard, complete the requested information.

The final screen of the Rapid Startup Wizard is a Summary page that displays the new configuration settings. If you need to make changes, you can go back to any previous wizard screen by clicking the Back button.

3. Click Finish after completing the configuration changes. You may be prompted to restart the system after applying the changes.

Configure storage and schedule data migration

After preparing for data migration, you can schedule the migration using the wizards that are available on the Storage Hosting screen. You can also allocate storage settings by clicking Create a shared folder.

NOTE: If you do not need to perform any of these tasks at this point during the configuration process, click Close.

IMPORTANT! Because the data migration process can take a considerable amount of time to complete and because application servers are taken offline during this process, HP highly recommends that you schedule migration operations during non-business hours. HP also highly recommends that you back up application data and logs prior to migration.

Prepare for data migration

After basic configuration information has been set using the Rapid Startup Wizard, a dialog box appears that provides additional storage and data migration configuration options; however, depending on your needs, an additional installation procedure might be needed before proceeding.

IMPORTANT! Before using the available wizards for scheduling data migration of SQL, Exchange, or User-defined data, you must first install the All-in-One Storage Manager Agent on those application servers. Follow these instructions before performing a data migration operation.

NOTE: If you do not need to prepare for data migration at this point in the configuration process, move on to step 6 of this procedure.

Installing the All-in-One Storage Manager Agent on network application servers:

1. On the application server that stores data to be migrated, insert the HP StorageWorks All-in-One Storage System Recovery DVD.

NOTE: If the application server is in a remote location, use Remote Desktop Connection to access the server, copy the Agent installation files, and run the Agent installation.

After completing the All-in-One Storage Manager Agent installation on the application server, you can then schedule data migration using the HP All-in-One Storage System wizards.

Manage your storage

After you have used the All-in-One Storage System wizards to configure your storage settings and migrate application data, you can monitor your applications and modify settings with the All-in-One Storage Manager.

In the Action pane, choose from the following views:

- Application View — Monitors hosted application servers.
- Storage View — Monitors storage values for logical disks and volumes.
- Application Server View — Monitors hosted application servers.
Set up the system with the Rapid Startup Wizard

1. On the Rapid Startup Wizard Welcome screen, click Next.

2. On each screen of the wizard, complete the requested information.

3. Click Finish after completing the configuration changes.

The following table lists the configuration data that is needed to complete the Rapid Startup Wizard and interact with the HP All-in-One Storage System.

| Server name | A unique name for the storage system.
| WINS server name | A Windows Internet Naming Service (WINS) server name required for identification.
| Default gateway | The gateway for accessing other networks.
| Subnet mask | Used to determine subnet IP address range.
| IP address | An Internet Protocol (IP) address for the server.
| Local area connection | Automatically created for each detected network adapter.
| Trap destinations | The IP address of a management computer that receives SNMP messages.
| System location | Text string, such as location or phone number.
| Contact person | System administrator for the storage system.
| Administrator Identity | The administrator’s user name and password.
| System administrator name or SMTP server name | The name of the SMTP server for e-mail alerts.
| Send alert e-mails from | The e-mail address used for sending alert messages.
| Send alert e-mails to | The e-mail address used for critical, warning, or informational messages.
| User password | The system administrator’s password.
| User name | The system administrator’s user name.

Prepare for data migration

1. After basic configuration information has been set using the Rapid Startup Wizard, you can access the Storage Hosting screen.

2. If the Rapid Startup Wizard is enabled, a dialog box appears that provides additional storage and data migration configuration options. You can then navigate to this folder on the DVD.

3. Double-click asmagentinstaller.exe to install the All-in-One Storage System Recovery DVD.

4. Follow the on-screen installation instructions.

5. After completing the All-in-One Storage Manager Agent installation on the application server, you can then schedule data migration using the HP All-in-One Storage System wizards.

Manage your storage

1. Create a new folder on the storage system.

2. Host an Exchange Storage Group Wizard (6 screens)

3. Host a SQL Server Database Wizard (7 screens)

4. Host a User-Defined Application Wizard (6 screens)

5. After you have used the All-in-One Storage System wizards to configure your storage settings and migrate application data, you can monitor your applications and modify settings with the All-in-One Storage Manager.

In the Action pane, choose from the following views:

- Application View — Monitors hosted application servers.
- Storage View — Monitors storage values for logical disks and volumes.
- Application View — Monitors hosted application services.
- Application View — Monitors hosted application servers.
4 Set up the system with the Rapid Startup Wizard

The Rapid Startup Wizard guides you through setting up your system with basic configuration information. Before migrating data from other applications or configuring other storage settings, you should complete the Rapid Startup Wizard.

1. On the Rapid Startup Wizard Welcome screen, click Next.

2. On each screen of the wizard, complete the requested information.

The final screen of the Rapid Startup Wizard is a Summary page that displays the new configuration settings. If you need to make changes, you can go back to any previous wizard screen by clicking the Back button.

3. Click Finish after completing the configuration changes.

NOTE: You may be prompted to restart the system after applying the changes.

5 Prepare for data migration

After basic configuration information has been set using the Rapid Startup Wizard, a dialog box appears that provides additional storage and data migration configuration options; however, depending on your needs, an additional installation procedure might be needed before proceeding.

IMPORTANT! Before using the available wizards for scheduling data migration of SQL, Exchange, or User-Defined data, you must first install the All-in-One Storage Manager Agent on those application servers. Follow these instructions before performing a data migration operation.

NOTE: If you do not need to prepare for data migration at this point in the configuration process, move on to step 6 of this procedure.

Installing the All-in-One Storage Manager Agent on network application servers:

1. On the application server that stores data to be migrated, insert the HP StorageWorks All-in-One Storage System Recovery DVD.

NOTE: If the application server is remote, use Remote Desktop Connection to access the server, copy the Agent installation files, and run the Agent installation.

6 Configure storage and schedule data migration

After preparing for data migration, you can schedule the migration using the wizards that are available on the Storage Hosting screen. You can also allocate storage settings by clicking Create a shared folder.

NOTE: If you do not need to perform any of these tasks at this point during the configuration process, click Close.

IMPORTANT! Because the data migration process can take a considerable amount of time to complete and because application servers are taken offline during this process, HP highly recommends that you schedule migration operations during non-business hours. HP also highly recommends that you back up application data and logs prior to migration.

The following table lists the configuration data that is needed to complete the Rapid Startup Wizard and start the HP All-in-One Storage System.

<table>
<thead>
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<th>Configuration Data</th>
</tr>
</thead>
<tbody>
<tr>
<td>Server name</td>
</tr>
<tr>
<td>WINS server</td>
</tr>
<tr>
<td>DNS server</td>
</tr>
<tr>
<td>Default gateway</td>
</tr>
<tr>
<td>Subnet mask</td>
</tr>
<tr>
<td>IP address</td>
</tr>
<tr>
<td>Local area connection</td>
</tr>
<tr>
<td>System location</td>
</tr>
<tr>
<td>Contact person</td>
</tr>
<tr>
<td>SMTP server name or IP address</td>
</tr>
<tr>
<td>Send alert e-mails to</td>
</tr>
<tr>
<td>System administrator</td>
</tr>
<tr>
<td>User name</td>
</tr>
<tr>
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6.1 Create a Shared Folder Wizard (6 screens)

6.2 Host an Exchange Storage Group Wizard (6 screens)

6.3 Host a SQL Server Database Wizard (7 screens)

6.4 Host a User-Defined Application Wizard (6 screens)

7 Manage your storage

After you have used the All-in-One Storage System wizards to configure your storage settings and migrate application data, you can monitor your applications and modify settings with the All-in-One Storage Manager.

In the Action pane, choose from the following views:

- Application View — Monitors application storage and shared folders.
- Storage View — Monitors storage values for logical disks and volumes.
- Application Server View — Monitors hosted application servers.

8 After completing the All-in-One Storage Manager Agent installation on the application servers, you can then schedule data migration using the HP All-in-One Storage System wizards.
Set up the system with the Rapid Startup Wizard

The Rapid Startup Wizard guides you through setting up your system with basic configuration information. Before migrating data from the application servers, or configuring other storage settings, you should complete the Rapid Startup Wizard.

1. On the Rapid Startup Wizard Welcome screen, click Next.

2. On each screen of the wizard, complete the requested information.

3. Click Finish after completing the configuration changes. You may be prompted to restart the system after applying the changes.

Configure storage and schedule data migration

After preparing for data migration, you can schedule the migration using the wizards that are available on the Storage Hosting screen. You can also allocate storage settings by clicking Create a shared folder.

**NOTE:** If you do not need to perform any of these tasks at this point during the configuration process, click Close.

**IMPORTANT!** Because the data migration process can take a considerable amount of time to complete and because application servers are taken offline during this process, HP highly recommends that you schedule migration operations during non-business hours. HP also highly recommends that you back up application data and logs prior to migration.

Prepare for data migration

After basic configuration information has been set using the Rapid Startup Wizard, a dialog box appears that provides additional storage and data migration configuration options. However, depending on your needs, an additional installation procedure might be needed before proceeding.

**IMPORTANT!** Before using the available wizards for scheduling data migration of SQL, Exchange, or User-defined data, you must first install the All-in-One Storage Manager Agent on those application servers. Follow these instructions before performing a data migration operation.

**NOTE:** If you do not need to prepare for data migration at this point in the configuration process, move on to step 6 of this procedure.

Install the All-in-One Storage Manager Agent on network application servers:

1. On the application server that stores data to be migrated, insert the HP StorageWorks All-in-One Storage System Recovery DVD.

2. If Autorun is enabled on the server, a window opens to the All-in-One Storage Manager Agent folder on the DVD. If Autorun is not enabled on the server, navigate to this folder on the DVD.

3. Double-click asmgagentinstaller.exe.

4. Follow the on-screen installation instructions.

Manage your storage

After you have used the All-in-One Storage System wizards to configure your storage settings and migrate application data, you can monitor your applications and modify settings with the All-in-One Storage Manager.

In the Action pane, choose from the following views:

- **Application View** — Monitors storage values for applications.
- **Storage View** — Monitors storage values for logical disks and volumes.
- **Application Server View** — Monitors hosted application servers.

Create a Shared Folder Wizard (6 screens)

Host an Exchange Storage Group Wizard (6 screens)

Host a SQL Server Database Wizard (7 screens)

Host a User-Defined Application Wizard (5 screens)