

HP ProLiant Storage Server 1U rail installation instructions



© Copyright 2006 Hewlett-Packard Development Company, L.P.

First edition, March 2006

Product names mentioned herein may be trademarks of their respective companies as reflected by an associated footnote.

The information in this document is subject to change without notice.

www.hp.com



▲ Important Safety Information

Before installation, read *Important Safety Information* on the Documentation CD.

قبل التثبيت، اقرأ معلومات هامة حول السلامة على القرص المضغوط Documentation CD.

Před instalací si přečtěte příručku *Důležité bezpečnostní informace* na disku CD.

安裝之前，請閱讀文檔 CD 上的重要安全信息。

安裝前，請閱讀說明文件光碟上的「重要的安全性資訊」。

Læs dokumentet *Vigtige sikkerhedsoplysninger* på dokumentations-cd'en, før produktet installeres.

Lesen Sie vor der Installation die *Sicherheitshinweise* auf der Documentation CD.

Enne installimist vt dokumentatsiooni CD-lt peatükki „Tähtis ohutusteave“.

Antes de la instalación, lea la sección *Información de seguridad importante* del CD Documentación.

Avant l'installation, lisez les *Informations importantes relatives à la sécurité* CD Documentation.

Πριν την εγκατάσταση, διαβάστε *Σημαντικές πληροφορίες ασφαλείας* στο CD Documentation.

לפני ההתקנה, קרא את המידע הבטיחותי החשוב שב-Documentation CD (תקליטור התיעוד).

Prije ugradnje, pročitajte *Važne sigurnosne informacije* na dokumentacijskom CD-u.

Prima dell'installazione, leggere sul CD le *Informazioni importanti sulla sicurezza*.

インストール前に、Documentation CDの「安全に使用していただくために」をお読みください。

설치하기 전에 Documentation CD의 주요 안전 수칙을 읽으십시오.

Pirms instalācijas, izlasiet drošības informāciju dokumentācijas CD.

Prieš diegdami perskaitykite *Svarbią saugos informaciją* dokumentacijos CD.

Telepítés előtt olvassa el a dokumentációs CD *Fontos biztonsági tudnivalók* dokumentumát.

Lees de *Belangrijke veiligheidsinformatie* op de documentatie-cd voordat u de installatie uitvoert.

Les "Viktig sikkerhetsinformasjon" på dokumentasjons-CDen før du installerer dette produktet.

Przed instalacją przeczytaj *Ważne informacje dotyczące bezpieczeństwa*

na dysku CD Documentation.

Antes da instalação, leia as *Informações Importantes sobre Segurança* no CD da Documentação.

Перед установкой ознакомьтесь с разделом *Указания по технике безопасности*

на компакт-диске «Документация».

Pred instaláciou si prečítajte časť *Dôležité bezpečnostné informácie* na disku Documentation CD.

Pred namestitvijo preberite *Pomembne varnostne informacije* na CD-ju Documentation.

Tärkeisiin turvatietoihin" Documentation CD -levyllä ennen tuotteen asentamista.

Läs dokumentet *Viktig säkerhetsinformation* på dokumentations-cd:n innan du installerar denna produkt.

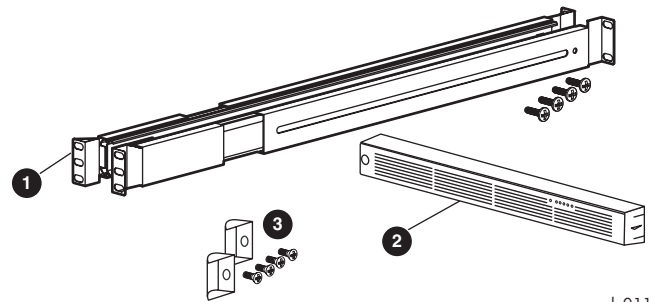
Yüklemeden önce, Documentation CD'sindeki *Önemli Güvenlik Bilgileri*'ni okuyun.

Перед установкою прочитайте *Важливі відомості з безпеки* на CD документації.

About this document

This document provides procedures for installing a 1U-size storage server into a rack using the rails provided. HP assumes that you are qualified in servicing computer equipment, and trained in recognizing hazards in products with hazardous energy levels.

Kit contents



1 Slide rail assembly

2 Bezel

3 Bezel brackets and screws

d_011

Warnings and cautions

▲ WARNING! Before you begin, make sure that the rack is sufficiently stable. If provided, lower the rack leveler feet and make sure any required stabilizers are installed. If provided, extend the rack anti-tip device. Failure to extend the anti-tip device could result in personal injury or damage if the rack tips over.

▲ CAUTION: Make sure that the rack and all equipment mounted in the rack have a reliable ground connection. Verify that the total current of the rack components does not exceed the current rating of the power distribution unit or outlet receptacles.

Rack planning procedures

The rack resource kit ships with all HP branded or Compaq branded 9000, 10000, and H9 series racks. For more information on the content of each resource, see the rack resource kit documentation.

If you intend to deploy and configure multiple servers in a single rack, refer to the white paper on high-density deployment at the following HP web site:

www.hp.com/products/servers/platforms



* 5 6 9 7 - 5 5 9 0 *

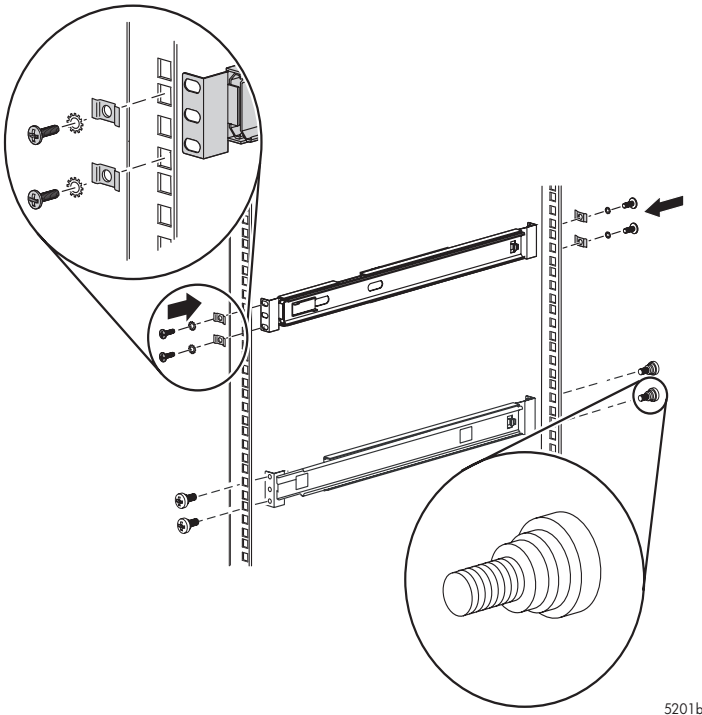
Slide rail installation

NOTE: Depending on the rail kit provided, your rackmount rail assemblies may vary slightly from those in the following illustrations.

1. Install the two slide rails to the sides of the rack.

NOTE: Two different types of rail kit designs are shown in the illustration below, but both install similarly. The two rail assemblies packed in a kit are identical, but depending on the which side of the rack they are installed, each are rotated so the sliding portions of the rails are towards the center of the rack.

- Adjust the side rail assemblies to the approximate rack depth.
- At one side of the rack, align the rail holes with the holes in the rack and secure with the provided mounting hardware.

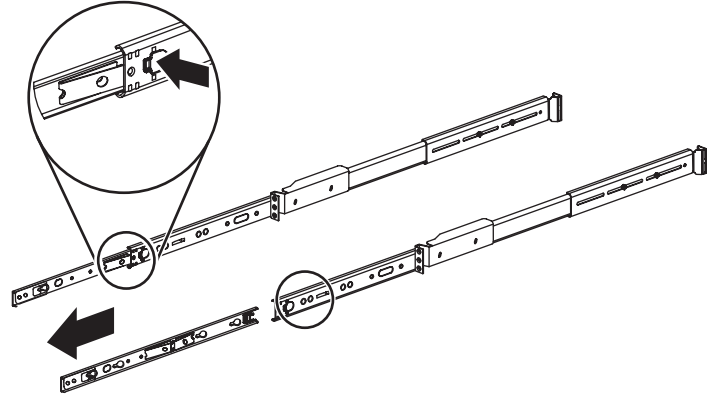


IMPORTANT: HP recommends leaving the rail mounting screws loose until the server is completely installed. This eases installation by preventing binding of the server in the rack.

- Align holes at the other end of the rack with the rail assembly and secure with mounting hardware.
- Install the other side rail assembly on the other side of the rack as described in the previous steps.

2. Locate the inner slide rails:

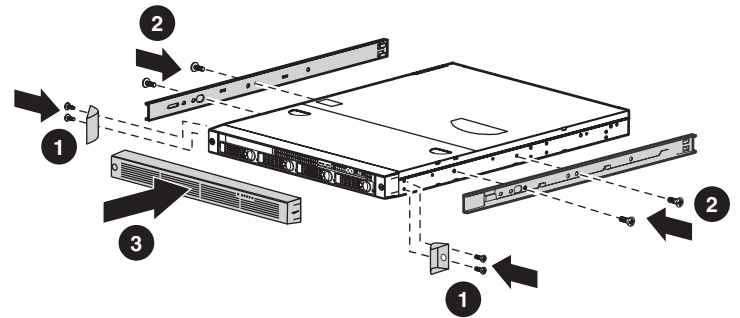
- If the rail assembly you mounted in the rack comes as one unit, remove the inner slide rails from the outer slide rails. To do so, extend the inner slide rails from the front of the rack until they lock in place. Then, press the inner rail release latch, as shown, and pull the inner slide rails straight out.



- If the inner slide rails in your kit are separate from the rail assemblies installed in the racks, remove them from the kit box and proceed to the next step.

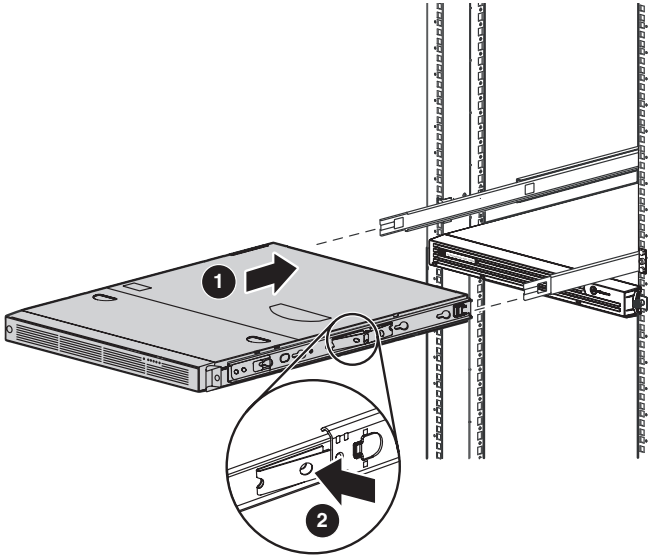
Server preparation

- Attach the two bezel brackets to the server using the supplied bracket screws, as shown ❶. Do not overtighten.
- Attach an inner slide rail (locking latches facing out) to each side of the server by placing the rail over the server standoffs and sliding the rail toward the rear of the server.
- Insert the slide rail screws through the inner slide rails as shown ❷, and then tighten.
- Attach the bezel ❸ to the bezel brackets, and then lock the bezel to the server (if desired).



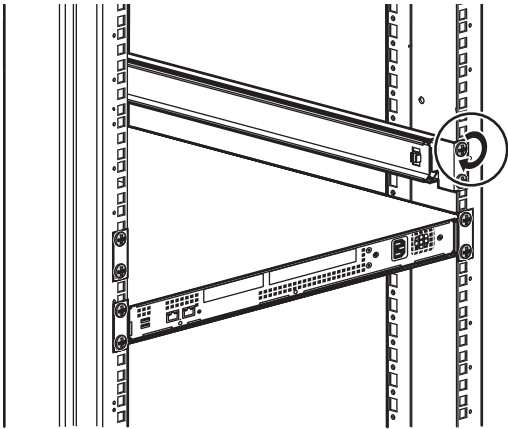
Server installation

1. Extend the outer slide rails fully from the rack until they lock. Insert the inner slide rails (with the server attached) into the outer slide rails, as shown ❶. Press the inner slide lock ❷, and then push the server all the way into the rack, making sure that the inner slide rails lock into place.



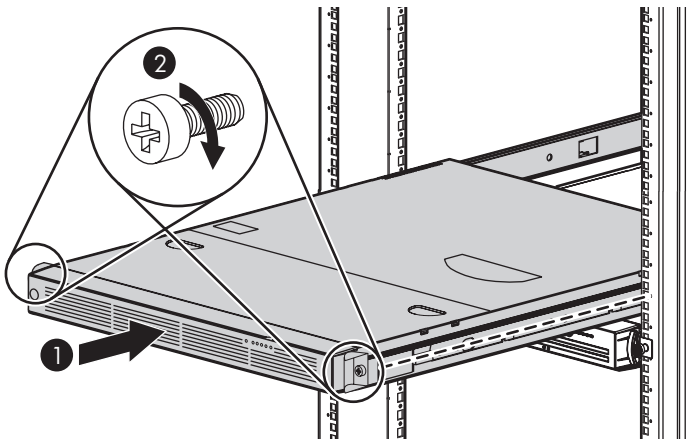
5203A

2. Slide the server in and out of the rack several times, allowing the rails to position properly.
3. Tighten all the rail mounting screws.



5205

4. Push the server fully into the rack ❶. Insert a screw into each bezel bracket and tighten to secure the server to the rack ❷.



5204a

5. To complete the preparation of your storage server for operation, see the HP ProLiant Storage Server installation instructions that are provided with your server.