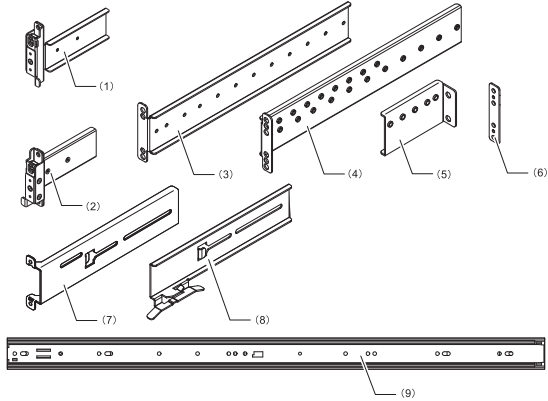


This document describes the procedures for assembling and attaching the rail kit and cable management arm (CMA) to the SPARC Enterprise M3000 server, in preparation for installing the M3000 server in a rack.

Components Check List

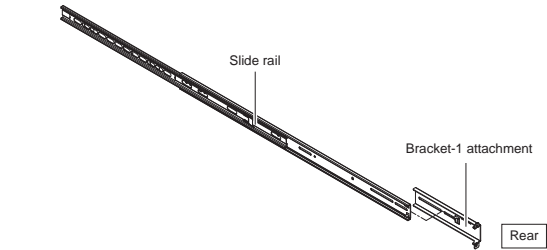
● Rail kit / 350-1299 (CA07082-E024)



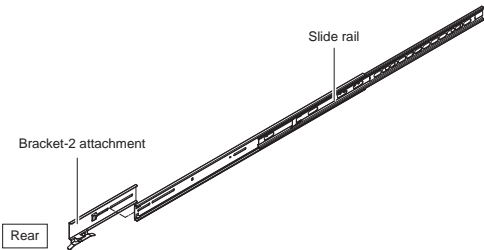
Parts name / CA drawing number	Parts position	Required number	Remarks
1 Middle-sized bracket / CA32476-C721	Left front	1	
2 Middle-sized bracket / CA32476-C722	Right front	1	
3 Large-sized bracket / CA32476-Y715	Right rear	1	
4 Large-sized bracket / CA32476-Y713	Left rear	1	
5 Small-sized bracket / CA32476-Y705	Left rear	1	
6 Large-sized bracket attachment / CA32476-Y714	Rear	2	Same articles for right and left
7 Bracket -1 attachment / CA32476-Y700	Left rear	1	
8 Bracket -2 attachment / CA32476-Y703	Right rear	1	
9 Slide rail / CA82254-0015	Side surface	2	Same articles for right and left

- 1 -

4 Attach the bracket-1 attachment to the end of the right slide rail, as viewed from the rear of the rack.



In the same manner, attach the bracket-2 to the end of the left slide rail, as viewed from the rear of the rack.



Note - The left and right brackets are different in shape. Each bracket must be installed in its proper position.

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● Rail kit (screws) / 350-1299 (CA07082-E024)



Parts name / CA drawing number	Required number	Remarks
10 M3 flathead screw / F6-SSA3-08121	4	M3 x 8 mm
11 M6 screw / F6-SW2N6-16121	10	M6 x 16 mm
12 M5 screw / F6-SW2N5-16121	6	M5 x 16 mm
13 M4 bind screw (short type) / F6-SBD4-05121	12	M4 x 5 mm
14 M4 bind screw (long type) / F6-SBD4-08121	4	M4 x 8 mm
15 M4 screw / F6-SW2N4-08121	1	M4 x 8 mm

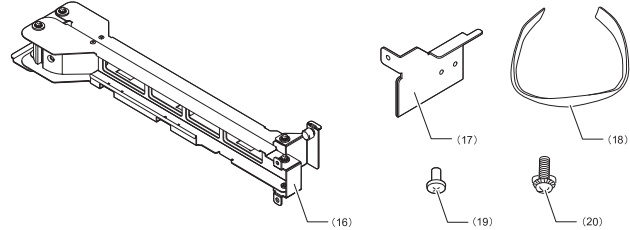
There are two types of rack columns: threaded holes and non-threaded holes.
Bracket attachment differs based on the type of rack column holes.

⚠ Caution - Before installing the server in the rack, make certain that all screws are properly tightened.

● Types of Rack Columns

- * Threaded holes on rack columns will require all 10 M6 screws.
- * Non-threaded hole rack columns will require:
 - the large sized bracket attachments and M3 flathead screws.
 - four M6 screws on the front surface of the rack.
 - six M5 screws on the rear surface of the rack.

● Cable management arm kit / 350-1269 (CA07082-E011)

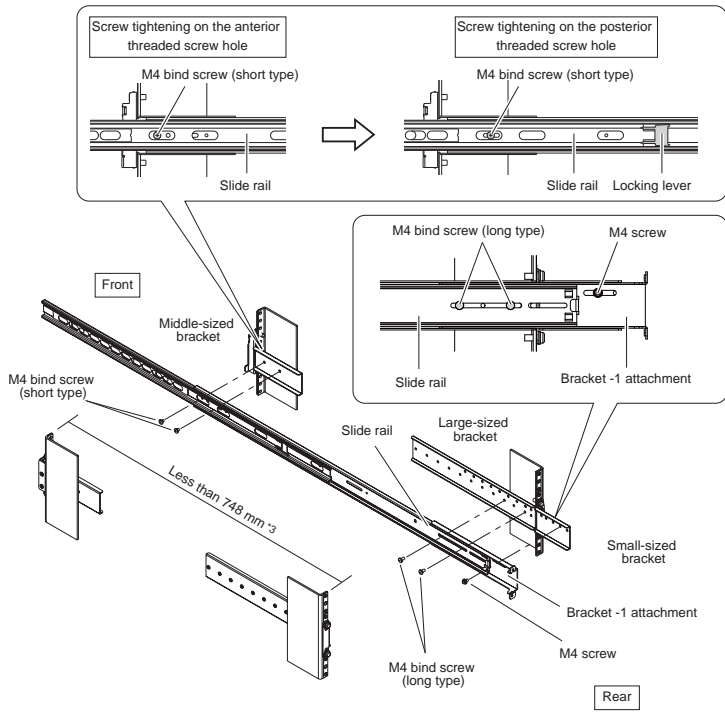


Parts name / CA drawing number	Parts position	Required number	Remarks
16 Cable management arm / CA32476-C750		1	
17 Inner slide rail holding bracket / CA32476-Y763	Left rear	1	
18 Velcro fastener / CA32476-Y764		6	
19 M4 bind screw (long type) / F6-SBD4-08121		2	M4 x 8 mm
20 M4 screw / F6-SW2N4-08121		2	M4 x 8 mm

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5 Attach the slide rail fitted with the bracket-1 attachment to the middle and large-sized brackets that are secured to the right column, as viewed from the rear.

- a. Attach the slide rails to the middle-sized brackets. *1
b. Attach the slide rails to the large-sized brackets. *2
c. To attach the small-sized bracket, use M4 screw to the bracket-1 attachment. *3



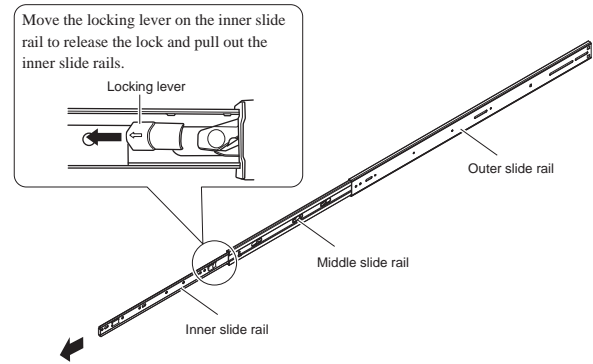
- *1: To secure the slide rail to the middle-sized bracket, first secure the anterior round hole, then slide the slide rail while holding down the locking lever and secure the center of the oval hole to the posterior round hole of the bracket.
*2: When multiple screw holes are available on the large-sized bracket, use the holes that are nearest to and farthest from the rear column.
*3: Use the small-sized bracket in case the distance between the front and the rear columns is less than 748 mm.

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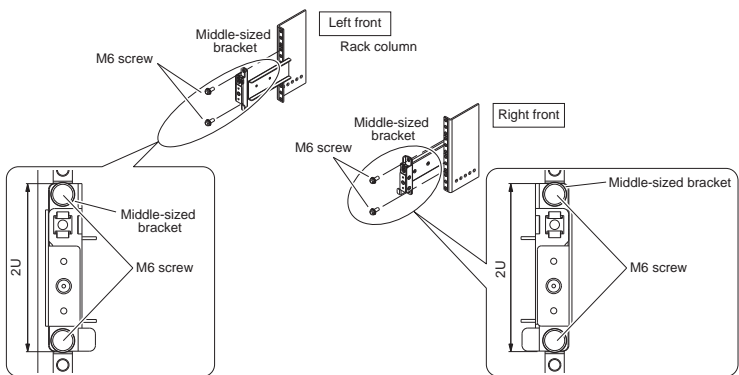
Attaching the Slide Rails

1 Draw out the inner slide rails from the slide rails.

The slide rail consists of outer slide rail, middle slide rail, and inner slide rail.
Inner slide rails are to be attached to both side surfaces of the server.



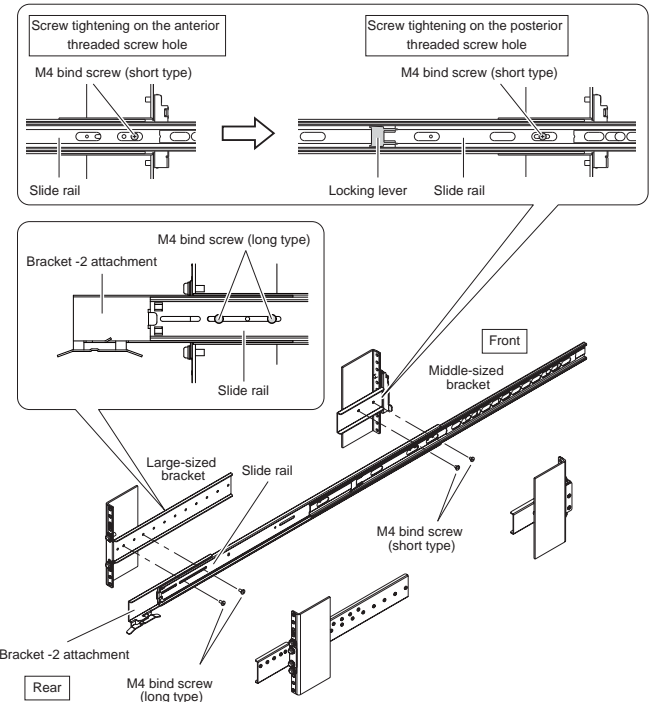
2 Attach the middle-sized brackets to the front rack columns.



- 3 -

6 Attach the slide rail fitted with the bracket-2 attachment to the middle and large-sized brackets that are secured to the left column, as viewed from the rear.

- a. Attach the slide rails to the middle-sized brackets. *1
b. Attach the slide rails to the large-sized brackets. *2



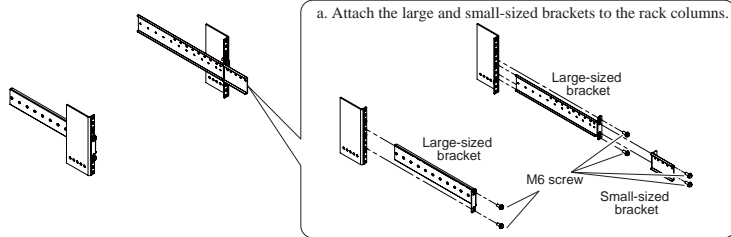
- *1: To secure the slide rail to the middle-sized bracket, first secure the anterior round hole, then slide the slide rail while holding down the locking lever and secure the center of the oval hole to the posterior round hole of the bracket.
*2: When multiple screw holes are available on the large-sized bracket, use the holes that are nearest to and farthest from the rear column.

- 7 -

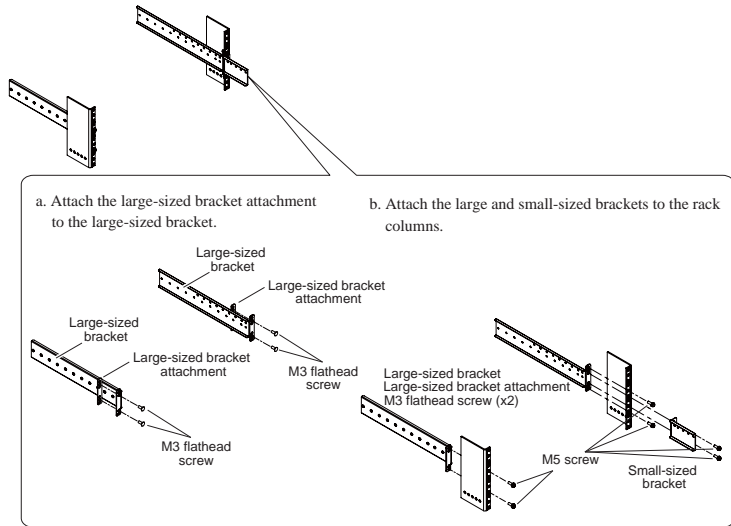
3 Attach the large and small-sized brackets to the rack columns. *1 *2 *3

- *1: The right and left large-sized brackets have different shapes. Each bracket must be installed in the proper position.
*2: Procedures for attaching brackets vary based on rack column type: "threaded holes" or "non threaded holes".
*3: Use the small-sized bracket in case the distance between the front and the rear columns is less than 748 mm.

● The rack column with the threaded holes (as viewed from the rear):



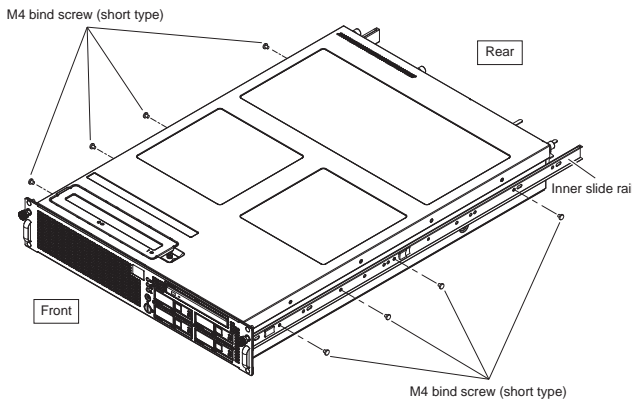
● The rack column with the non-threaded holes (as viewed from the rear):



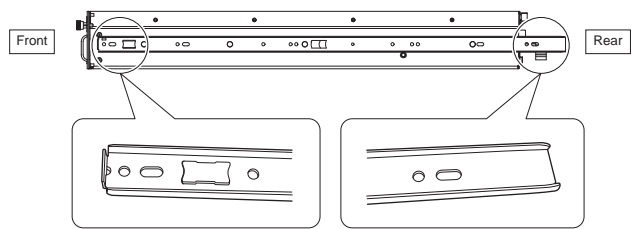
- 4 -

7 Attach the inner slide rails in place on the server.

To attach the inner slide rail, use four M4 bind screws (short type) on each side surface of the server.



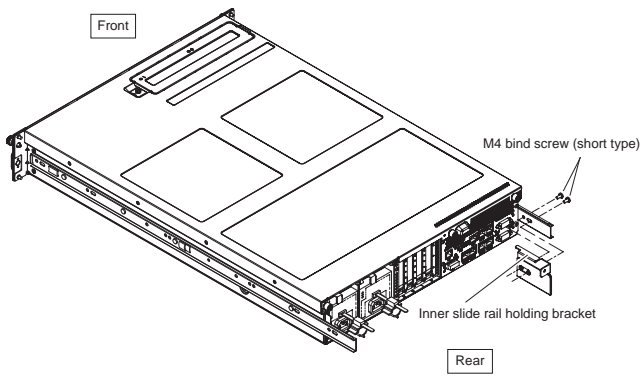
● Right side view



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8 Attach the inner slide rail holding bracket to the inner slide rail.

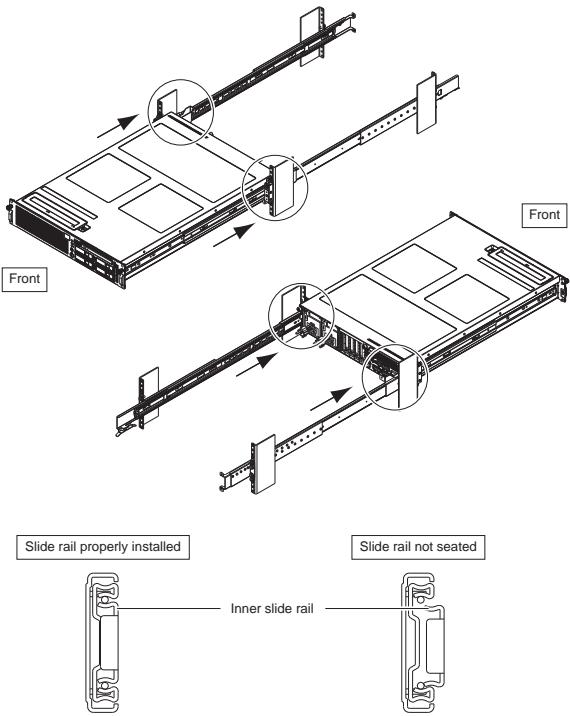
To secure the inner slide rail holding bracket, attach two M4 bind screws (short type) on the inner slide rail and tighten up toward the server.



Checking of Installed Slide Rails

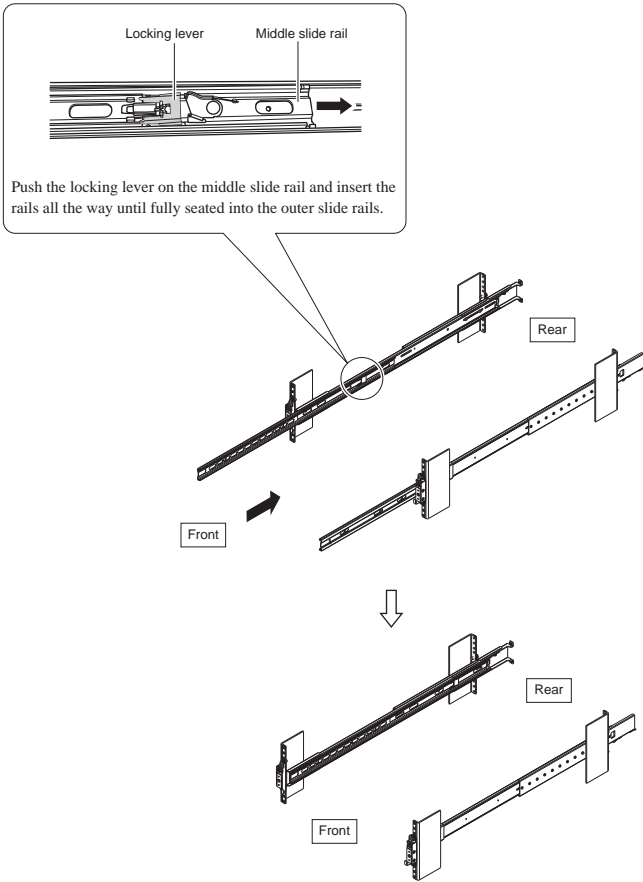
Caution - To avoid possible damage to the server, follow these procedures carefully.

1 Check the placement of the slide rails at four places from the direction of the arrow.



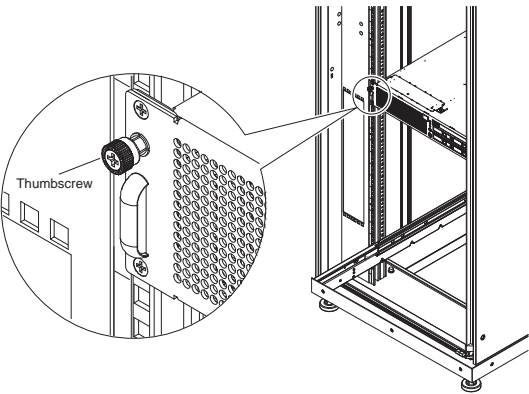
Note - With the server extended fully out on the rails and firmly supported by two people, gently shake it to make sure the server does not come off from the slide rails.

9 Insert the middle slide rail into the outer slide rails until fully seated.

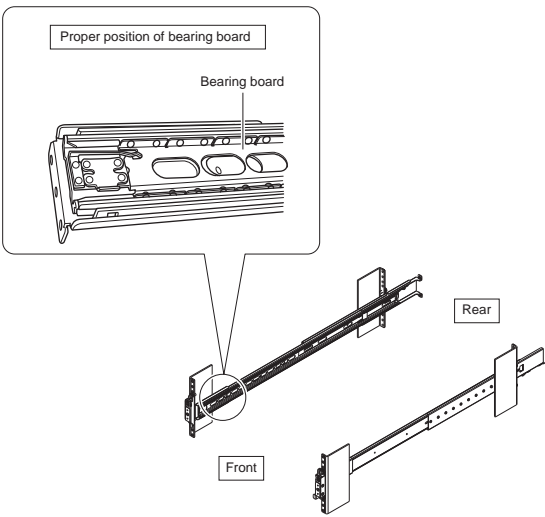


2 In case the slide rails are not properly installed, rework from Step 9.

3 Tighten the two thumbscrews on the front bezel to secure the server to the rack.



10 Make sure that the bearing board (thin metal sheet with oval holes) that is housed in the rails is at the front end of the rail.



Attaching the Cable Management Arm

1 Place the arm end of the CMA into the bracket-1 attachment.

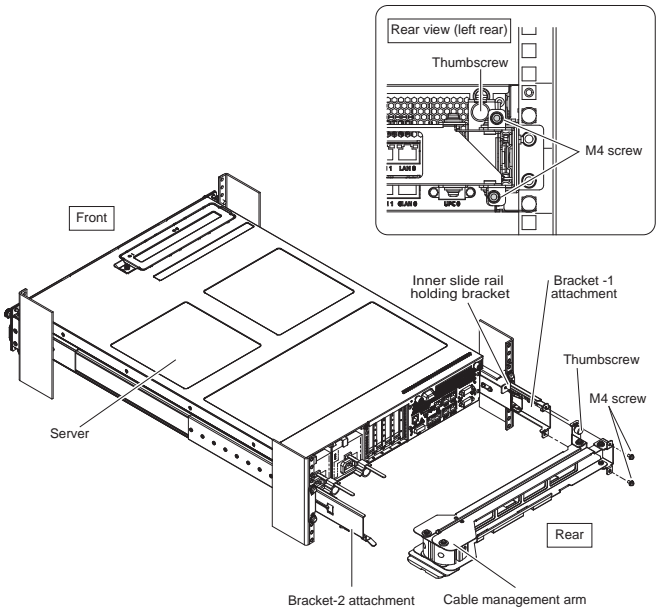
At the same time, hook the hinge part of CMA to the bracket-2 attachment.

2 Use two M4 screws to secure the CMA to the bracket-1 attachment.

- a. Attach the upper screw and tighten it temporarily.
- b. Before tightening the lower screw, move the CMA away from the bracket-2 attachment and adjust the position of the holes. Adjust the tilt of the CMA so that you can hook the hinge part of it on the bracket-2 attachment, then tighten the upper and the lower screws.

3 Slide the CMA to move it into the bracket-2 attachment.

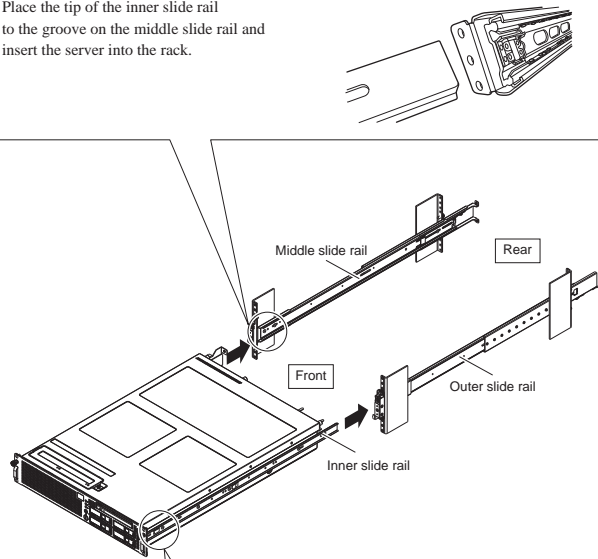
4 Attach the thumbscrew of the CMA to the inner slide rail holding bracket that is secured to right rear inner slide rail, as viewed from the rear of the rack.



11 Release the locking lever on the inner slide rails and insert the server into the rack.

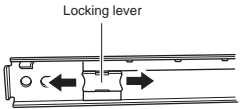
Caution - Prior to installing a server in the equipment rack, deploy the anti-tilt feature for your rack.

- a. Place the tip of the inner slide rail to the groove on the middle slide rail and insert the server into the rack.



- b. While inserting the server in the rack, a click should be heard to indicate the server is in locked position.

- c. Move the locking lever on the inner slide rail backwards or forwards to release the lock, and continue to carefully insert the server in the rack until fully seated.

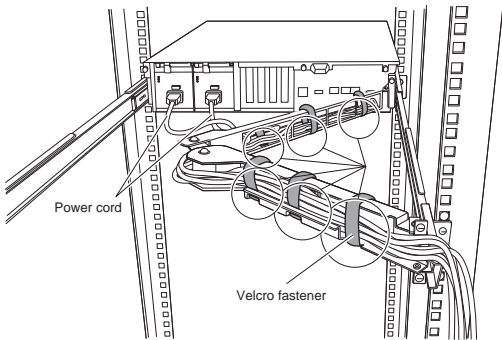


5 Connect the power cord to the rear of the server.

6 Pass the Velcro fasteners through the six cut-outs on the CMA to secure the cables such as power cord and LAN cables in a bundle.

In so doing, pull the server out to the front to give the cables the excess length.

● Status of cables when the server is pulled out



● Status of cables when the server is stored in the rack

