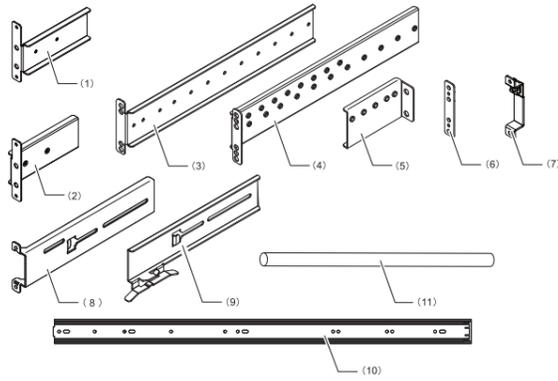


This document describes the procedures for assembling and attaching the rail kit and cable management arm (CMA) to the SPARC Enterprise M3000 server, in preparation for installing the M3000 server in a rack.

Components Check List

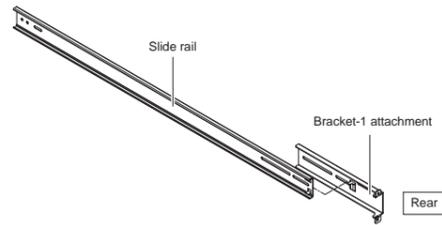
Slide rail kit



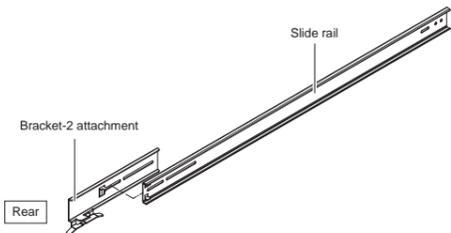
Parts name / CA drawing number	Parts position	Required number	Remarks
1 Middle-sized bracket / CA32476-Y711	Left front	1	
2 Middle-sized bracket / CA32476-Y712	Right front	1	
3 Large-sized bracket / CA32476-Y715	Right rear	1	
4 Large-sized bracket / CA32476-Y713	Left rear	1	
5 Small-sized bracket / CA32476-Y705	Left rear	1	
6 Large-sized bracket attachment / CA32476-Y714	Rear	2	Same articles for right and left
7 Front chassis bracket bar / CA32476-C710	Front	2	Same articles for right and left
8 Bracket -1 attachment / CA32476-Y700	Left rear	1	
9 Bracket -2 attachment / CA32476-Y703	Right rear	1	
10 Slide rail / CA32287-0145	Side surface	2	Same articles for right and left
11 Jig	Rear	1	

- 1 -

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



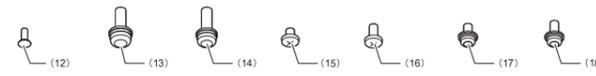
In the same manner, attach the bracket-2 to the end of the left slide rail, as viewed from the rear of the rack.



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

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Slide rail kit (screws)



Parts name / CA drawing number	Parts position	Required number	Remarks
12 M3 flathead screw / F6-SSA3-08121		4	M3 x 8 mm
13 M6 screw / F6-SW2N6-16121		10	M6 x 16 mm
14 M5 screw / F6-SW2N5-16121		6	M5 x 16 mm
15 M4 bind screw (short type) / F6-SBD4-05121		12	M4 x 5 mm
16 M4 bind screw (long type) / F6-SBD4-08121		4	M4 x 8 mm
17 M4 screw (short type) / F6-SW2N4-08121		1	M4 x 8 mm
18 M4 screw (long type) / F6-SW2N4-10121		4	M4 x 10 mm

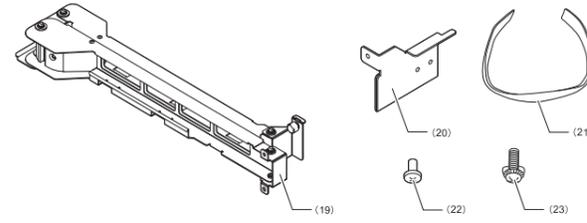
There are two types of rack columns depending on whether or not the rack column has the threaded holes on it; and the way of attaching the bracket differs accordingly.

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

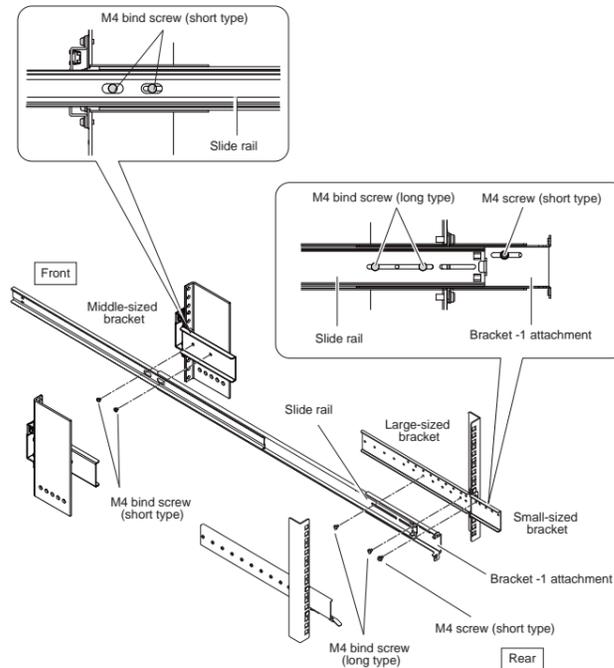


Parts name / CA drawing number	Parts position	Required number	Remarks
19 Cable management arm / CA32476-C750		1	
20 Inner slide rail holding bracket / CA32476-Y763	Left rear	1	
21 Velcro fastener / CA32476-Y764		6	
22 M4 bind screw (long type) / F6-SBD4-08121		2	M4 x 8 mm
23 M4 screw / F6-SW2N4-08121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

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4 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.

- Attach the slide rails to the middle-sized brackets. *1
- Attach the slide rails to the large-sized brackets. *2
- Attach the slide rails to the small-sized bracket.



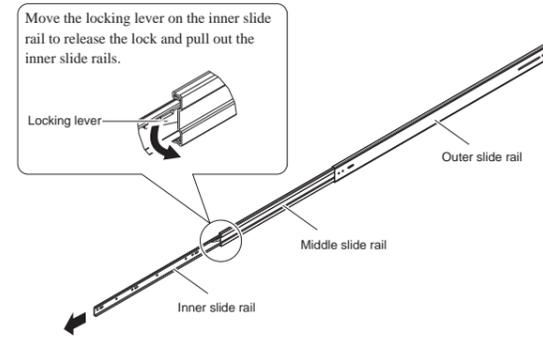
*1: To secure the middle-sized bracket to the slide rail, use the center of the oval hole on the rail.
 *2: When multiple screw holes are available on the large-sized bracket, use the holes that are nearest to and farthest from the rear column.

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Attaching the Slide Rails

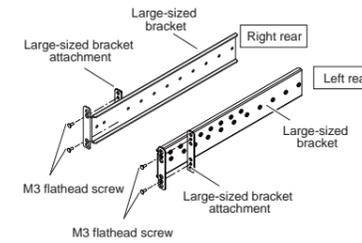
1 Draw out the inner slide rails from the slide rails.

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 large, middle and small-sized brackets to the rack columns.

- Attach the large-sized bracket attachment to the large-sized bracket.

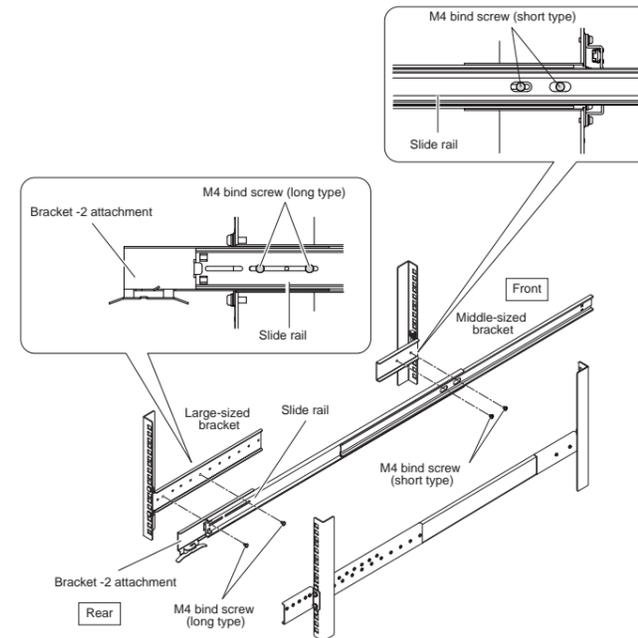


- Attach the front chassis bracket bar to the middle-sized bracket. *1
- Attach the middle-sized brackets to the front columns.
- Attach the large-sized brackets to the rear columns. *1 *2

- 3 -

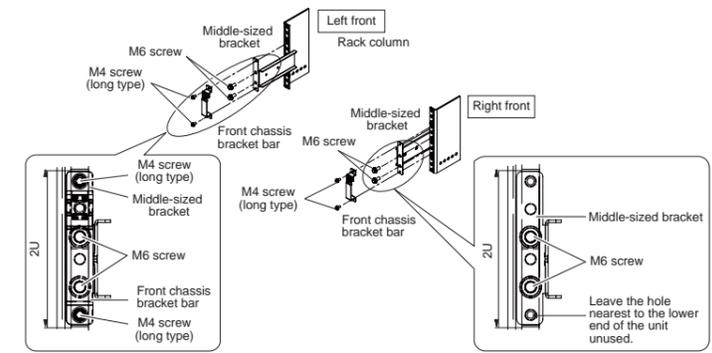
5 Attach the slide rail fitted with the bracket-2 attachment to the middle and large-sized brackets that are secured to the left column, as viewed from the rear.

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

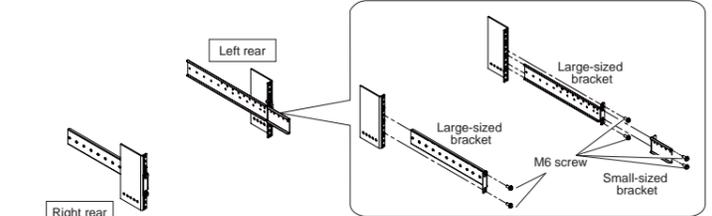


*1: To secure the middle-sized bracket to the slide rail, use the center of the oval hole on the rail.
 *2: When multiple screw holes are available on the large-sized bracket, use the holes that are nearest to and farthest from the rear column.

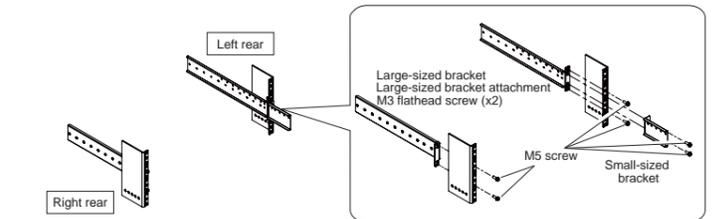
- 7 -



The rack column with the threaded holes:



The rack column without the threaded holes:

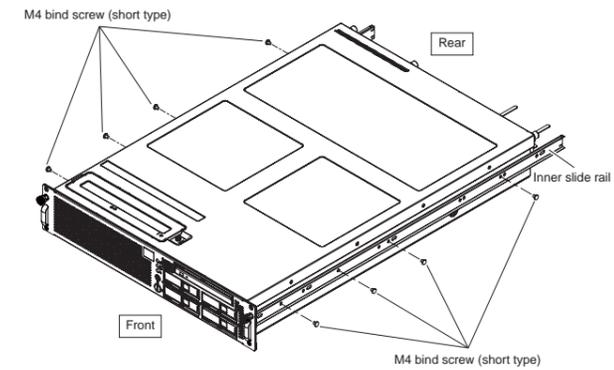


*1: The right and left large-sized brackets have different shapes. Each bracket must be installed in the proper position.
 *2: Procedures for attaching brackets vary based on rack column type: "threaded holes" or "non threaded holes".

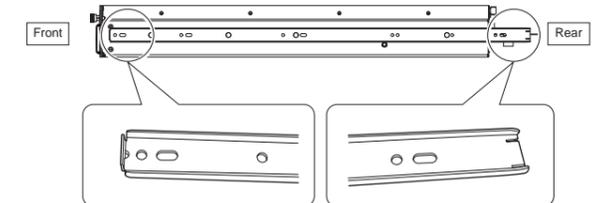
- 4 -

6 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.

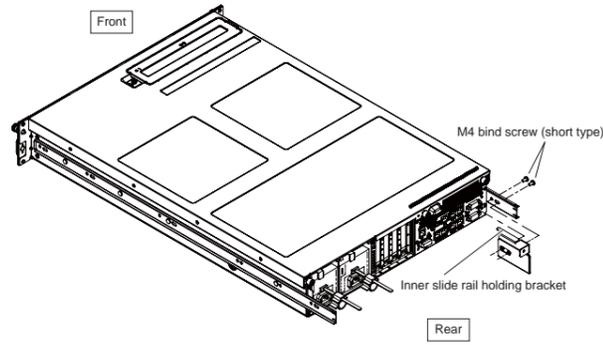


Right side view

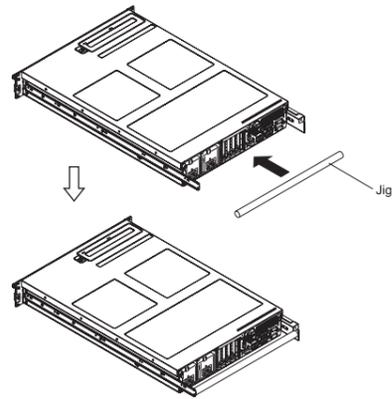


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- 7** Attach the inner slide rail holding bracket to the inner slide rail.
To secure the inner slide rail holding bracket, put two M4 bind screws (short type) on the inner slide rail and tighten up toward the server.



- 8** Put the jig to the end of both inner slide rails (use the jig as a prop stick and sandwich it between the rails at the farthest possible point from the server).

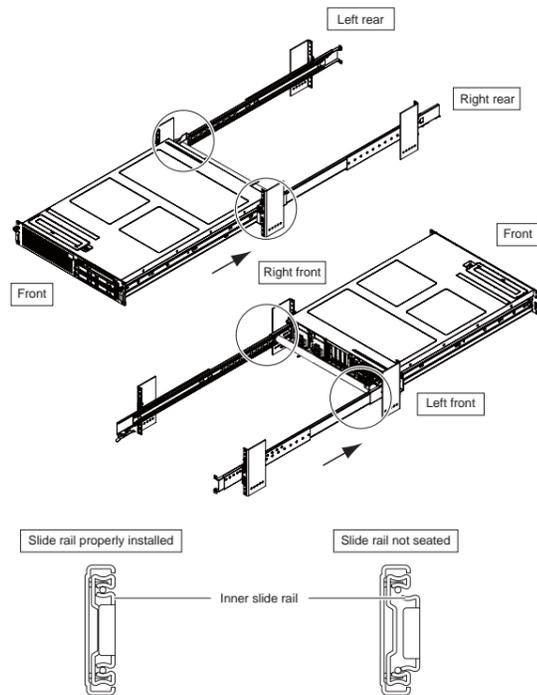


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Checking of Installed Slide Rails

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

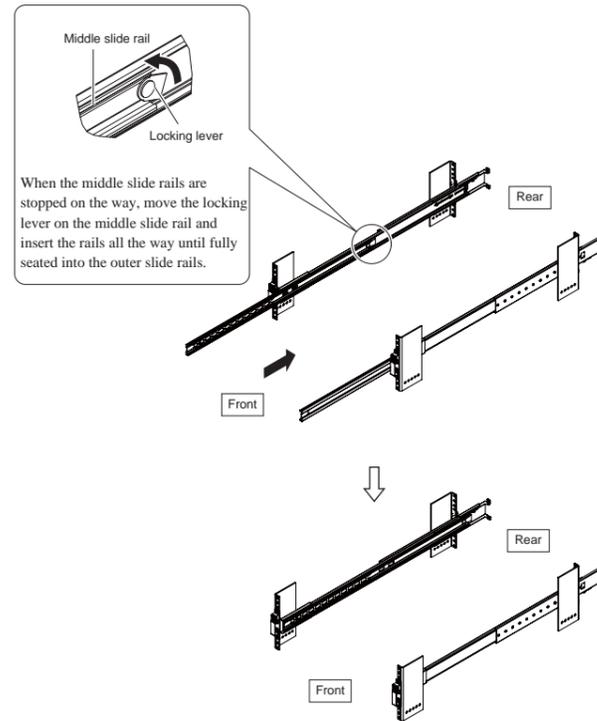
- 1** Check the placement of the slide rails at both front and rear ends of the right and the left rails.



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.

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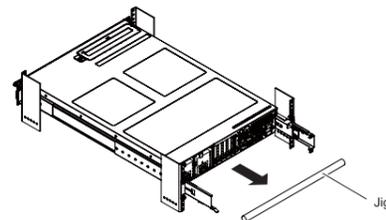
- 9** Insert the middle slide rail into the outer slide rails until fully seated.



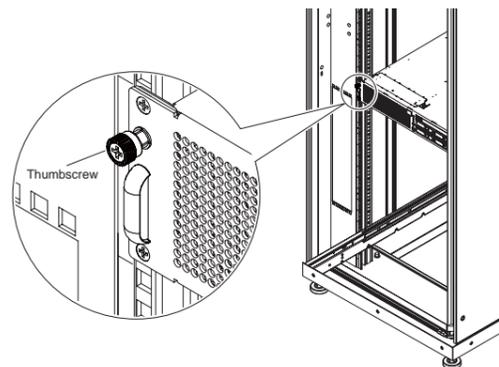
- 10 -

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

- 3** After you check that the slide rails are properly installed, remove the jig.

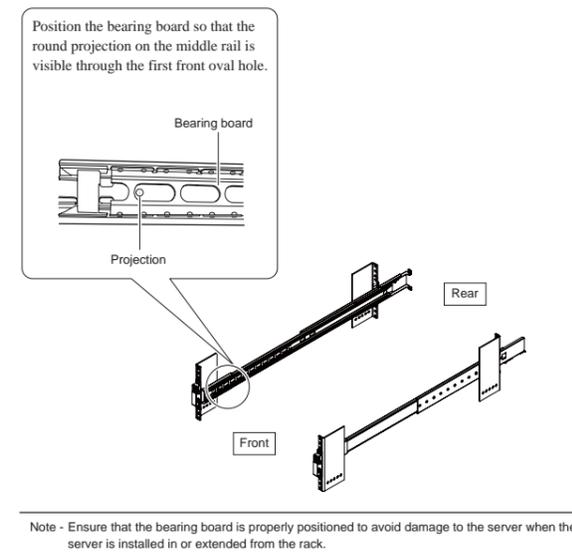


- 4** Tighten the two thumbscrews on the front bezel to secure the server to the rack.



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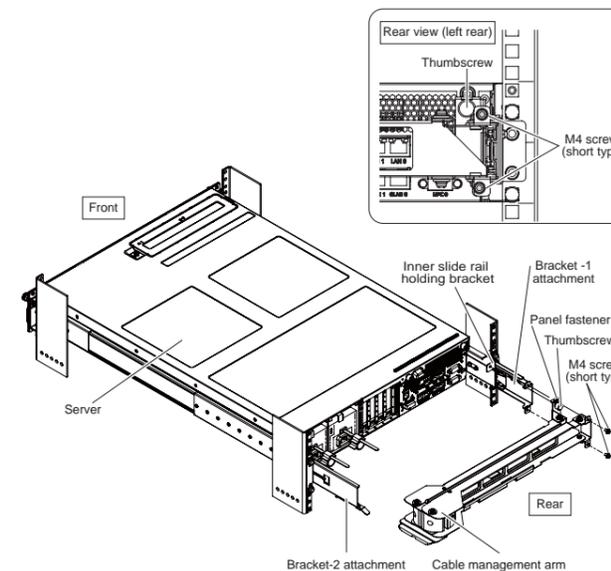
- 10** Slide the bearing board (thin metal sheet with oval holes) that is housed in the rails, near the front surface of the rack.



- 11 -

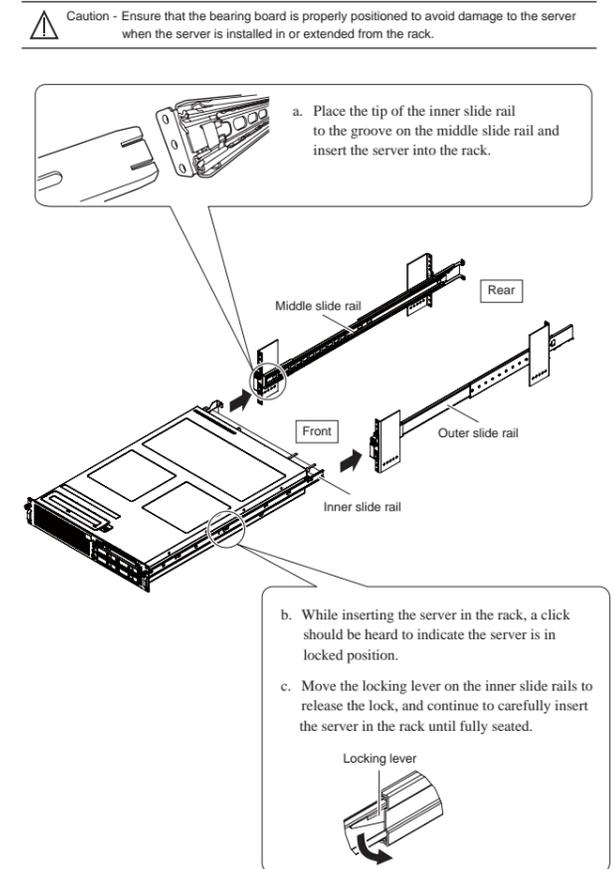
Attaching the Cable Management Arm

- 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.
- Use two M4 screws (short type) to secure the CMA to the bracket-1 attachment.
- Slide the CMA to move it into the bracket-2 attachment.
- Use the thumbscrew to attach the panel fastener of the CMA to the inner slide rail holding bracket that is secured to right rear rack column, as viewed from the rear of the rack.



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



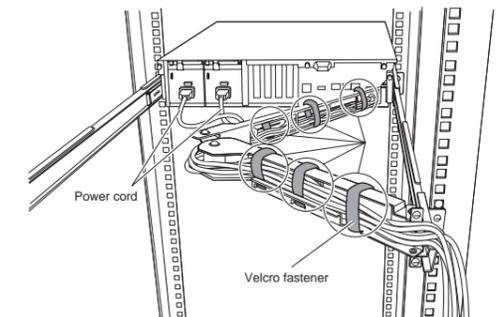
- 12 -

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

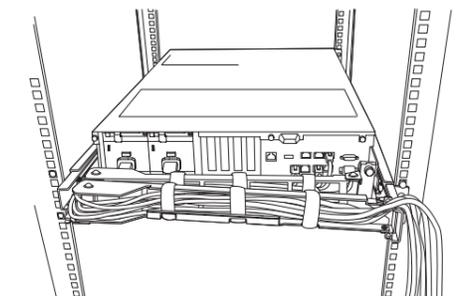
- 6** Pass the Velcro fasteners through the six cut-outs on the CMA to secure the cables such as power cord and LAN cables in a bundle.

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



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