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644-906

Implementing and Maintaining Cisco Technologies using IOS XR

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QUESTION NO: 1

Refer to the show environmental power-supply command output exhibit.

```
R/S/I   Modules          Capacity        Status
                         (W)
0/PM0/*
        host     PM      3000            Ok

0/PM1/*
        host     PM      3000            Ok

0/PM2/*
        host     PM      0               Unpowered


R/S/I   Power Draw       Voltage         Current
        (W)              (V)             (A)
0/PM0/* 270.5            54.1            5.0
0/PM1/* 392.5            54.5            7.2
0/PM2/* 0.0              0.0             0.0
--------------
Total:  663.0

Power Budget Summary for Rack 0
-------------------------------


Power Shelves Type: AC
Total Power Capacity:                           6000W
Usable Power Capacity:                          6000W
Supply Failure Protected Capacity:              3000W
Worst Case Power Used:                          1850W
Slot                                                    Max Watts
----                                                    ---------
0/RSP0/CPU0                                                   235
0/RSP1/CPU0                                                   235(default)
0/2/CPU0                                                      630
0/FT0/SP                                                      375
0/FT1/SP                                                      375

Worst Case Power Available:             4150W
Supply Protected Capacity Available:    1150W
```

How much power is the system currently using?

A. 663 W
B. 1150 W
C. 1850 W
D. 6000 W

Answer: A

Explanation:

QUESTION NO: 2

Refer to the show environmental power-supply command output exhibit.

```
R/S/I   Modules          Capacity        Status
                         (W)
0/PM0/*
        host     PM      3000            Ok

0/PM1/*
        host     PM      3000            Ok

0/PM2/*
        host     PM      0               Unpowered


R/S/I   Power Draw       Voltage         Current
        (W)              (V)             (A)
0/PM0/* 270.5            54.1            5.0
0/PM1/* 392.5            54.5            7.2
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Power Budget Summary for Rack 0
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Power Shelves Type: AC
Total Power Capacity:                          6000W
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Worst Case Power Used:                         1850W
Slot                                                    Max Watts
----                                                    ---------
0/RSP0/CPU0                                                   235
0/RSP1/CPU0                                                   235(default)
0/2/CPU0                                                      630
0/FT0/SP                                                      375
0/FT1/SP                                                      375

Worst Case Power Available:                    4150W
Supply Protected Capacity Available:           1150W
```

How many additional line cards of the same type that are currently in the system can you safely install and remain redundant in the worse power usage if there is a power supply failure?

A. 1

B. 2
C. 3
D. 4
E. 5

Answer: A
Explanation:

QUESTION NO: 3

What is the maximum long-term normal operating temperature of the Cisco CRS-1, ASR 9000 Series Routers, and XR 12000 Series Routers?

A. 40C (104F)
B. 50C (122F)
C. 55C (131F)
D. 65C (149F)

Answer: A
Explanation:

QUESTION NO: 4

The Cisco CRS 16-Slot Line Card Chassis Site Planning Guide suggests having 48 inches of clearance behind the chassis. What would definitely happen to the system if there were only 28 inches of clearance behind the Cisco CRS 16-Slot Line Card Chassis?

A. The system would overheat due to inadequate airflow.
B. The fabric card could not be exchanged if one failed.
C. The modular services card (MSC) could not be exchanged if one failed.
D. The fan tray could not be exchanged if one failed.

Answer: D
Explanation:

QUESTION NO: 5

How many planes are there in the Cisco CRS-3 switch fabric?