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Chapter 10, Problem 15AE
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Step-by-step solution

Step 1 of 2 ^

The responsibilities of a network administrator vary widely based on the network size, data necessity and the supporting staff size.

The top ten critical duties of network administrator for a distributed OS are as follows:

1. Responding to network users to their requirements.
2. Maintain the recent inventories of hardware which access the network.
3. Maintain the recent inventories of software which access the network.
4. Controlling user access.
5. Controlling day-to-day security.
6. Controlling gateways, bridges, and other network connections.
7. Controlling patch cycles.
8. Maintain the hardware properly.
9. Install new hardware and software.
10. Controlling the firewall.

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Step 2 of 2 ^

Level of access:

Network administrator protects the network and network accessible resources from an unauthorized access.

- Hence the network administrator requires a high level of access.

o As soon as security incidents occur there should be immediate alerts to the administrators to disables user access.

Managing access control:

Implement "security policies" across multiple network resources and applications to manage access control.

- Consider an organization with several type of users, here some users are allowed to access the system for production, some users are allowed to access the system for administration information, but user who is having access to production does not have access to administration information.
- This security policy is managed by the network administrator.

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