

Securing AD DS

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Diagram Exercise 7

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The diagram is to prevent threats from outside to improve security. First of all, the security setting in GPOs has configured with account policy, event log, restricted groups, advanced audit policy configuration, and local policies. Also, BitLocker on domain controller disk volumes are used. In the headquarter office, there is the primary domain controller, which can be cached by the RODC. The RODC is in the branch office so that the user sign-in and passwords are cached. By setting RODC, the domain controller maintains a copy in its domain so that if there is any corruption, they can back up and reset the security.

Account security is also configured in the diagram. It is essential to increase the security level by setting the maximum password age, minimum password age, minimum password length, and password complexity requirements. The account lockout policies have been defined with account lockout duration, threshold, reset account lockout counter after so that the security levels increase while the possibility for DoS attacks decreases.

