- Single point of management for all user forests and an exchange forest

- Lower administrative costs

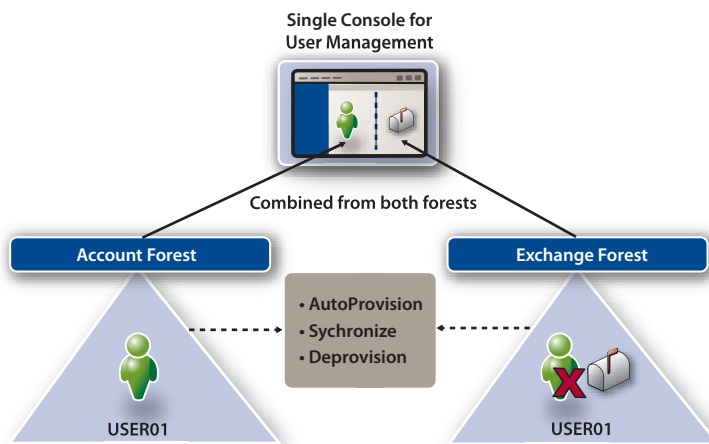- Increase compliance and security

Quest® ActiveRoles

Exchange Resource Forest Manager

Extending ActiveRoles Server Management to Exchange Resource Forests

ActiveRoles Exchange Resource Forest Manager is an optional add-on application available to compliment ActiveRoles Server.

Many medium- and large-size companies find themselves in an environment that requires a multi-forest Active Directory deployment to cope with organizational structure issues (e.g., autonomous business units and decentralized IT departments), business policy or legal and regulatory requirements. Although it offers the highest level of security isolation and separation of administrative responsibility, it also introduces the need for inter-forest management; among the most important is the Exchange 2000 or Exchange 2003 messaging system. With multiple forests, one of the options for integrating Exchange with Active Directory is the resource forest model.

While the Exchange Resource Forest model does separate Exchange Infrastructure management from the various user account forests, it also requires complex directory provisioning and synchronization between forests. A provisioning process needs to be set up so that each time an administrator creates a user account in an account forest, a disabled shadow account with a mailbox is created in the Exchange forest and appropriate security permissions are assigned. The account properties must also be synchronized between the account forest and the Exchange forest so that the Global Address List (GAL) is consistent. These processes cannot be automated using native Active Directory mechanisms, which leads to the need for a third-party solution.

Single Console for User Management

Combined from both forests

Account Forest

Exchange Forest

- **AutoProvision**
- **Sychronize**
- **Deprovision**

USER01

USER01

The AutoProvision, Synchronize and Deprovision processes maintain the shadow accounts (in the Exchange forest) get and remain in synch with the master accounts upon creation, modification, deprovisioning, or deletion of master accounts in account forests.

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System Requirements:

Operating Systems
- Microsoft Windows 2000 Service Pack 4 or later
- Microsoft Windows Server 2003, with or without any Service Pack
- Microsoft Windows Server 2003 x64 Editions
- Microsoft Windows Server 2003 R2

Operating Systems on Domain-Controllers:
- Microsoft Windows 2000 Server
- Microsoft Windows Server 2003
- Microsoft Windows Server 2003 x64 Editions
- Microsoft Windows Server 2003 R2

Additional Software:
- Microsoft SQL Server 2005, any edition, with or without any Service Pack
- Microsoft SQL Server 2000 Service Pack 4 or later
- Microsoft SQL Server 2000 Desktop Engine (MSDE) Service Pack 4 or later
- Microsoft Data Access Components (MDAC) version 2.7 or later
- Microsoft .NET Framework version 2.0 or later
- Microsoft Internet Information Services (IIS) 5.0 or later
- Microsoft Internet Explorer version 5.5 or later
- Microsoft Exchange 2000 Server, with or without any Service Pack
- Microsoft Exchange Server 2003, with or without any Service Pack
- Microsoft Exchange Server 2007, provided it is configured for coexisting with Exchange 2000 Server or with Exchange Server 2003.

To automate the provisioning lifecycle and synchronization processes involved with the Exchange Resource Forest model, ActiveRoles Server offers Exchange Resource Forest Manager which exploits the multi-forest management capability of ActiveRoles Server to synchronize and provision accounts between a User Account Forest and the Exchange Resource Forest. Additionally, Exchange properties are projected from the Resource Forest onto the property pages of users in the User Forest for single point user account management.

- **AutoProvision:** provision of mailboxes in the Exchange forest upon creation of user accounts in account forests (Provision of mailboxes for existing accounts is also supported).

- **Exchange Mailbox AutoProvision Policies:** because Exchange Resource Forest Manager is an add-on application for ActiveRoles Server it can take full advantage of the Exchange Mailbox AutoProvision policies that provide automatic selection of mailbox store based on round-robin, least loaded store or organizational data such as user's department or directory location..

- **Synchronization:** updating directory data in the Exchange forest upon changes to user accounts in account forests.

- **Deprovisioning:** deprovision Exchange forest mailboxes upon deprovision of user accounts in account forests.

The solution also includes the following functions, mainly for investigation and troubleshooting purposes:

- **Policy Check:** uses the Check Policy feature of ActiveRoles Server to detect and, in some cases, auto-correct data inconsistencies or data corruption such as broken links or mismatched data between master accounts and shadow accounts.

- **Change History:** uses the Management History feature of ActiveRoles Server to document the changes made to the master accounts and shadow accounts.

- **Error Logging:** uses the EDM Server Event Log to provide information about problems if any occur at solution run time.

About Quest Software, Inc.

Quest Software, Inc. delivers innovative products that help organizations get more performance and productivity from their applications, databases and Windows infrastructure. Through a deep expertise in IT operations and a continued focus on what works best, Quest helps more than 18,000 customers worldwide meet higher expectations for enterprise IT. Quest Software can be found in offices around the globe and at **www.quest.com**.