Securing Microsoft® SharePoint® Products and Technologies Server Farms

Overview

- **Office SharePoint Server Security Accounts**
- **Securing Content**
- **Securing Communications In a Server Farm**
- **Using Server Hardening**

Lesson 1: Office SharePoint Server Security Accounts

- **Service Accounts**

- **Farm Administrator Account and Farm Administrators Group**

- **Default Content Access Accounts**

- **Changing Passwords for Office SharePoint Server Accounts**

Service Accounts

Level	Accounts
Farm level	• Server farm account • SQL Server service account • Office SharePoint Server Search service account • Windows SharePoint Services Search service account
SSP level	• SSP service account • Default Content access account • Profile import default access account • Excel Services unattended service account

Farm Administrator Account and Farm Administrators Group

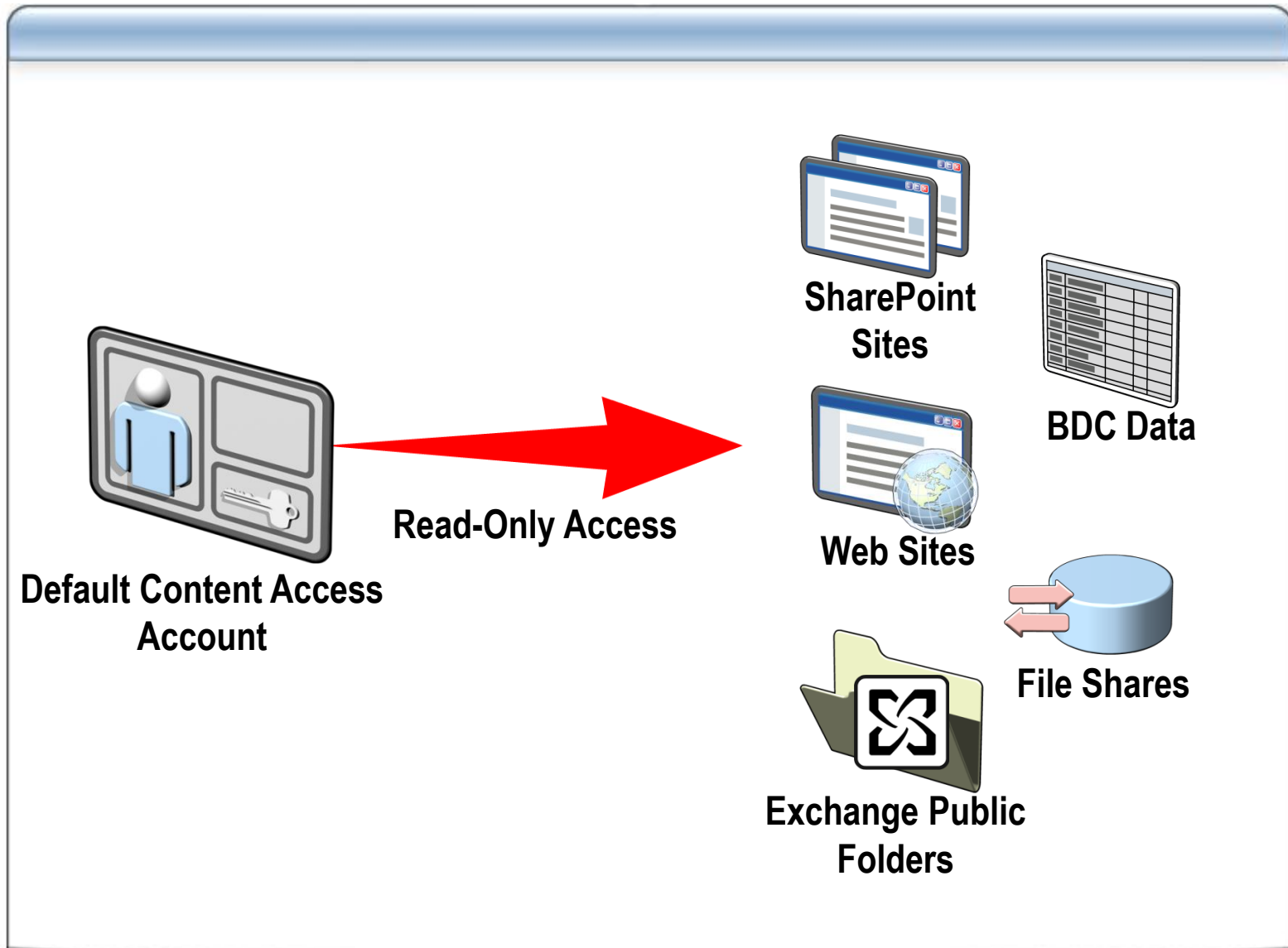|	
Farm Admins	Have access to Central Administration its tools
Server Admins	Have administrative rights over local server
Both	Users must be a member of both roles to complete some administrative tasks

Default Content Access Accounts

Default Content Access Account → **Read-Only Access** → SharePoint Sites, BDC Data, Web Sites, File Shares, Exchange Public Folders

Changing Passwords for Office SharePoint Server Accounts

You must update Office SharePoint Server when you change passwords for the following accounts:

- SQL Server accounts
- Application pool accounts
- Search service accounts
- Shared Services Provider accounts
- Single Sign-On account
- Profile import account

Lesson 2: Securing Content

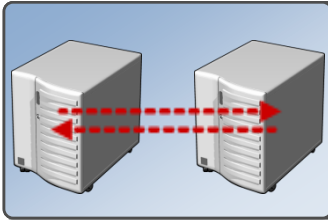- **SharePoint Products and Technologies Authentication**
- **Forms-Based Authentication**
- **Zones for Web Applications**
- **Alternate Access Mappings**
- **Standard Permissions and Groups**
- **Custom User Groups and Permission Levels**
- **Securing Excel Services**
- **Securing Business Data Catalog Applications**
- **Code Access Security**

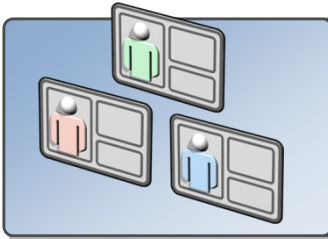# SharePoint Products and Technologies Authentication

SharePoint Products and Technologies support the following authentication methods:

- Basic
- NTLM
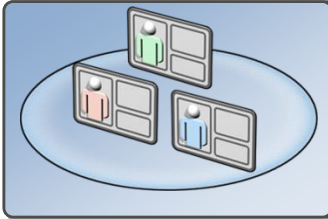- Kerberos
- ASP.NET Forms Based Authentication
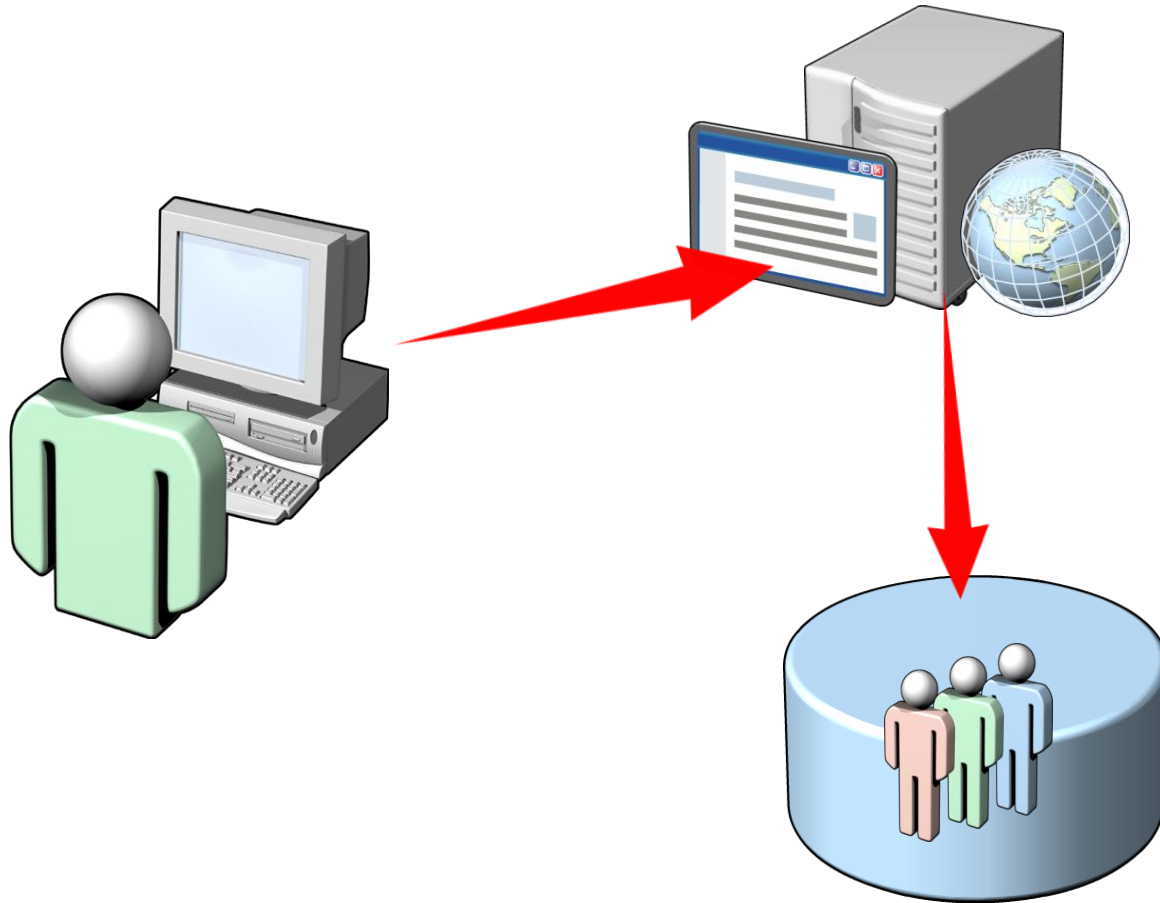- Web SSO

Forms-Based Authentication
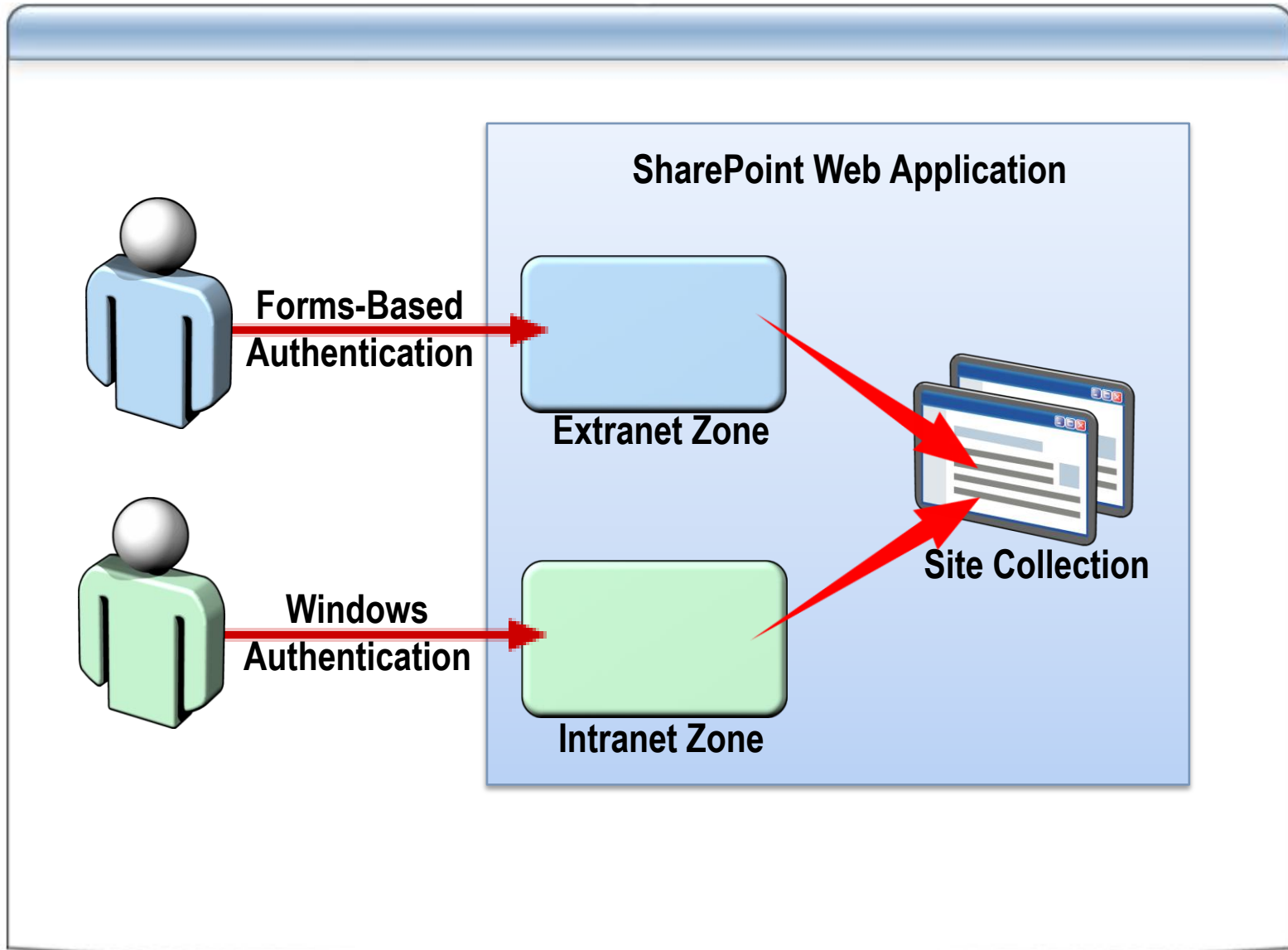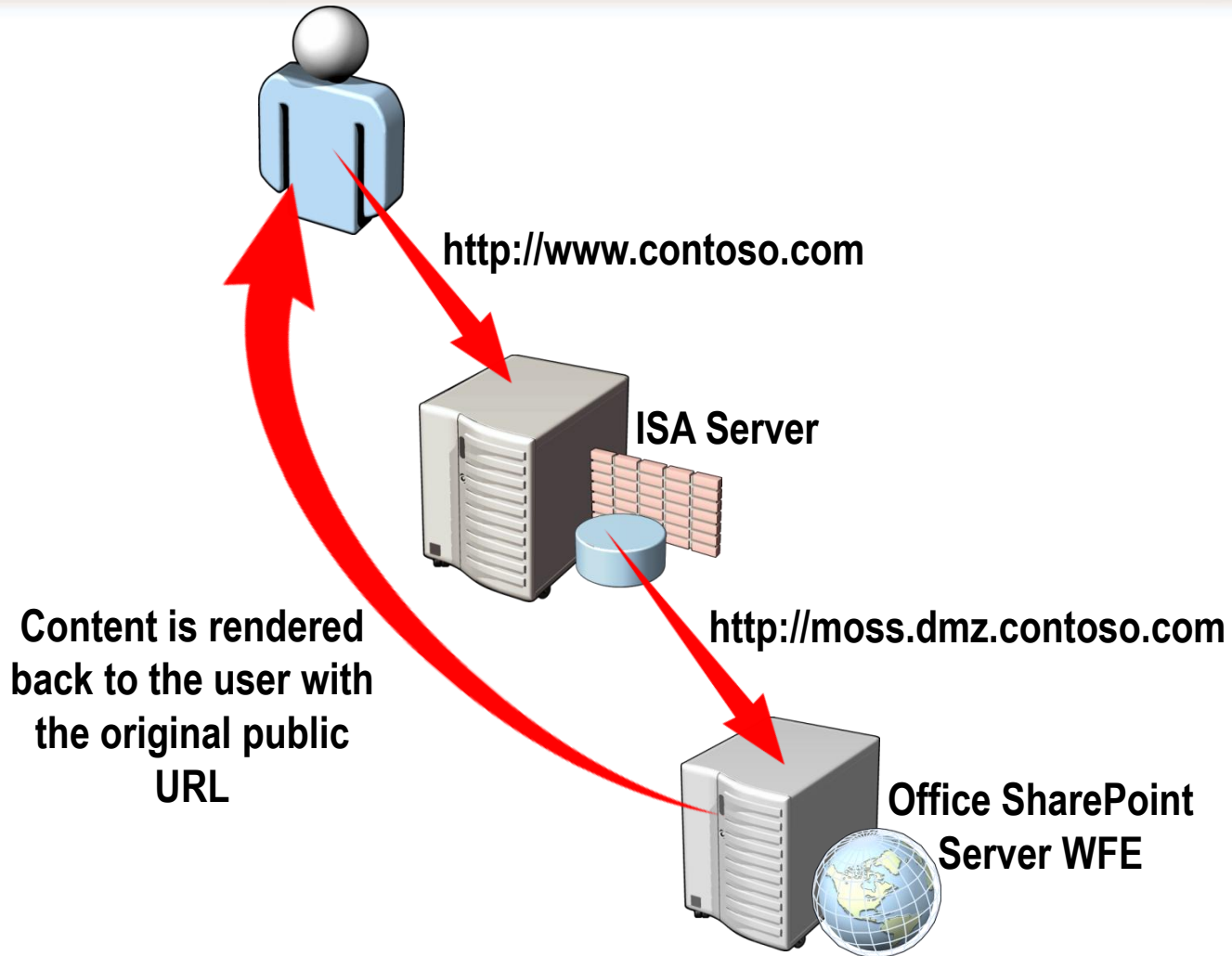
Connection strings

Membership providers

Role managers

Configuring Forms Authentication

Zones for Web Applications

Alternate Access Mappings

http://www.contoso.com

ISA Server

Content is rendered back to the user with the original public URL

http://moss.dmz.contoso.com

Office SharePoint Server WFE

Standard Permissions and Groups

User groups	Collections of users that map to Office SharePoint Server roles
Permission levels	Collections of permissions that map to Office SharePoint Server roles

Custom User Groups and Permission Levels

|	
User groups	Create user groups for job roles that require a consistent set of permissions
Permission levels	Create a custom permission level for each user group that you create (if needed; optionally, re-use existing permission levels where possible)

Securing Excel Services

You can configure the following Excel Services security settings by using the Central Admin Web site:

- Trusted file locations

- Trusted data providers

- Trusted data connection libraries

- User-defined function assemblies

- File Access Security for non-WSS trusted locations

Securing Business Data Catalog Applications

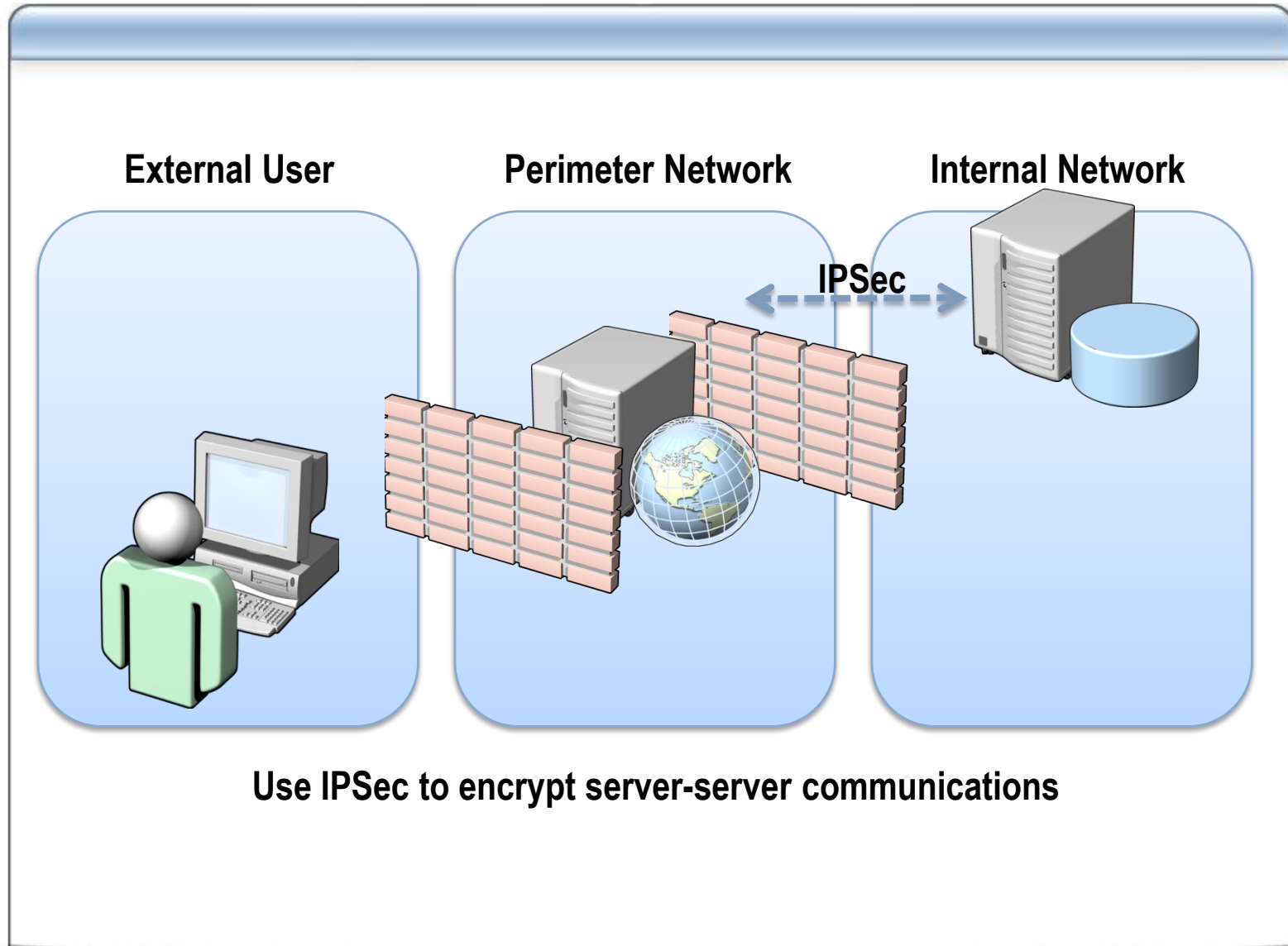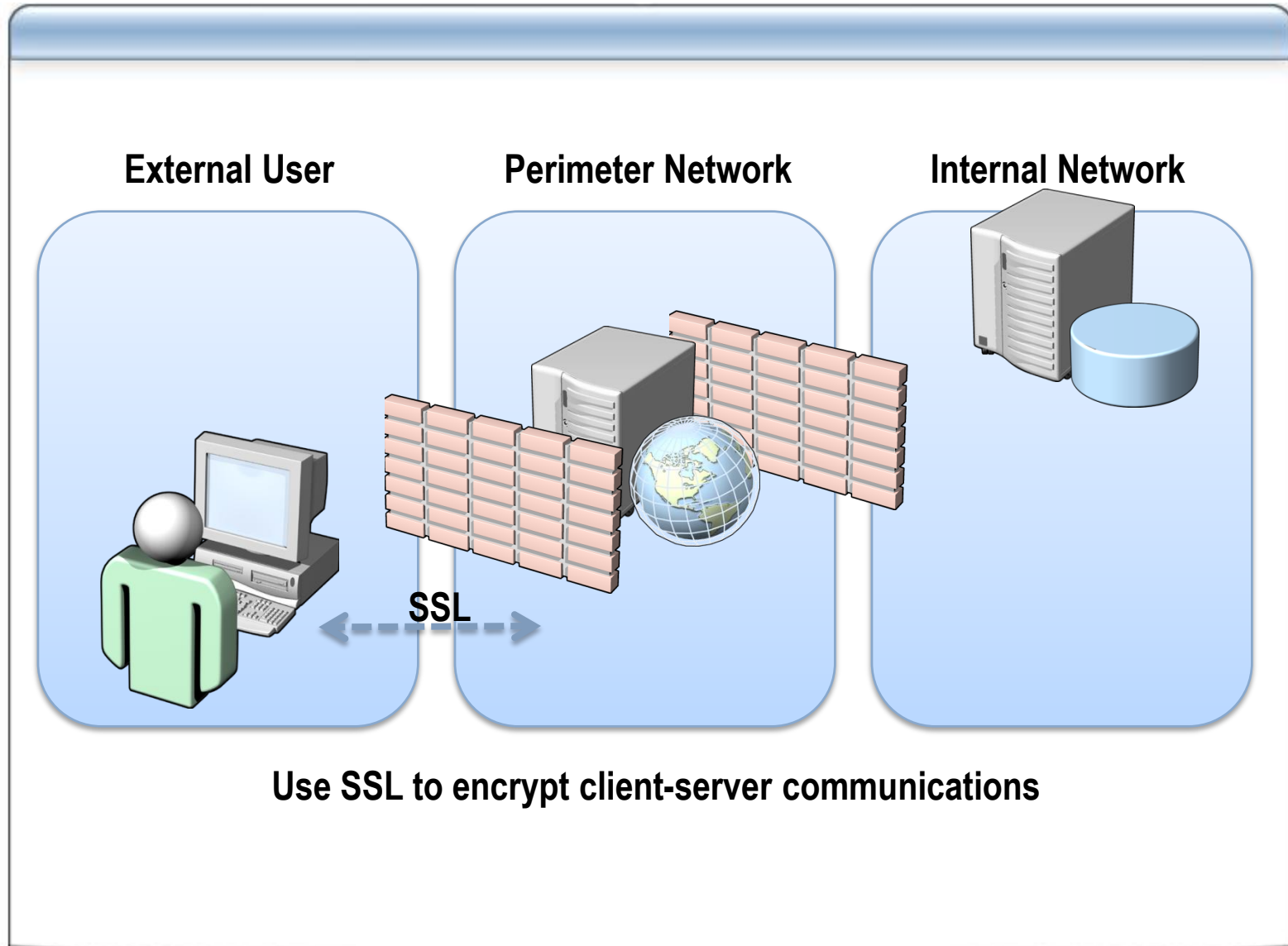| Feature	Methods
Authentication	• PassThrough • RevertToSelf • Credentials • WindowsCredentials
Authorization	• Back-end authorization • Middle-tier authorization

Code Access Security

Evidence

Permissions

.NET Assembly

.NET CLR
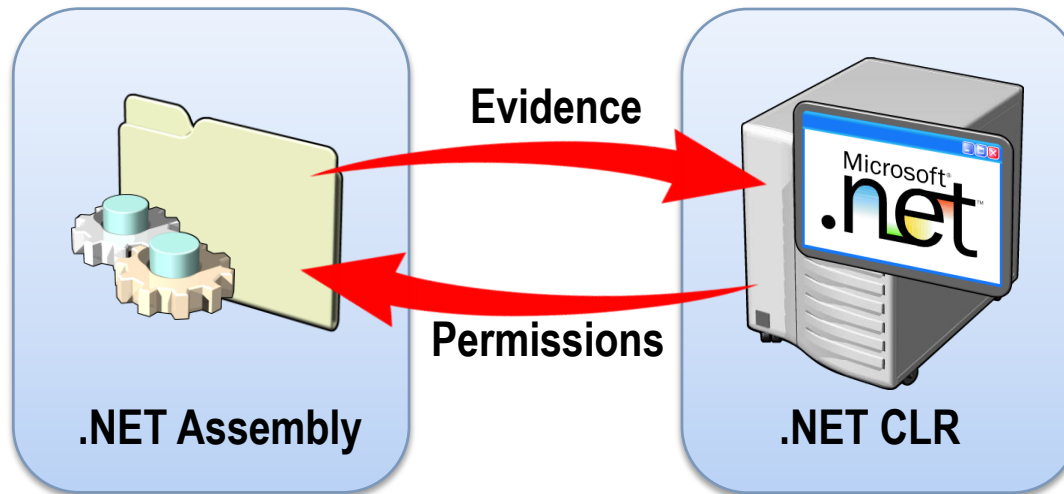
Lesson 3: Securing Communications In a Server Farm

- **Using IPSec**
- **Using SSL**

Using IPSec

Use IPSec to encrypt server-server communications

Using SSL

External User   **Perimeter Network**   **Internal Network**
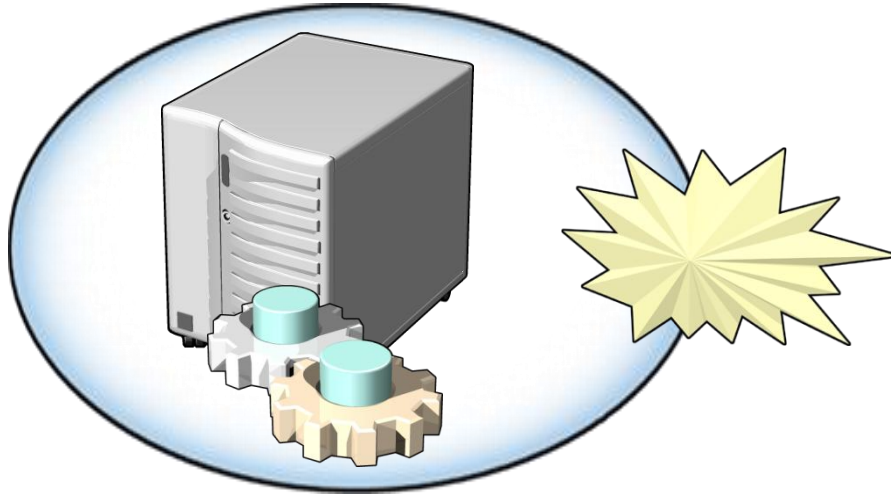
SSL

Use SSL to encrypt client-server communications
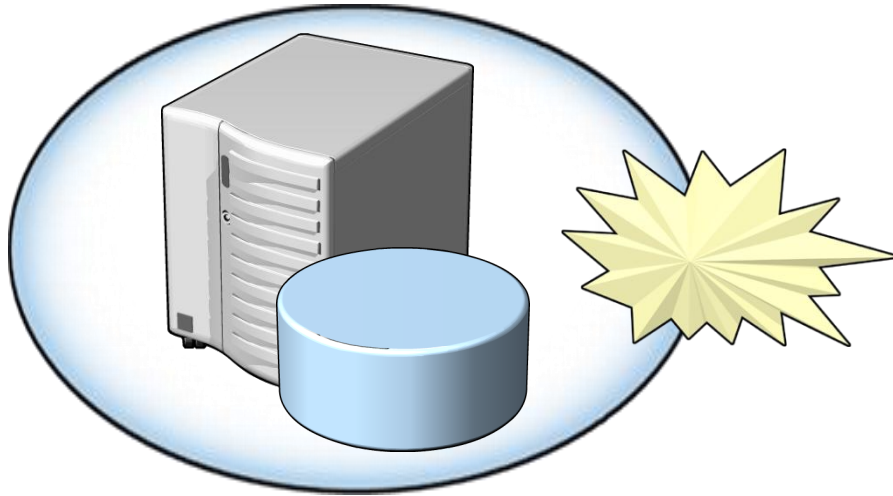
Lesson 4: Using Server Hardening

- **Hardening Web Servers and Application Servers**
- **Hardening Database Servers**

Hardening Web Servers and Application Servers

- **Patches and Updates**
- **Minimize Attack Surface**
- **Least Privileged Accounts**
- **Viruses, worms, and Trojans**

Hardening Database Servers

- **Use Windows Integrated**
- **Avoid common ports**
- **Use SQL aliases on WFEs**

Review

- **Office SharePoint Server Security Accounts**
- **Securing Content**
- **Securing Communications In a Server Farm**
- **Using Server Hardening**