Configuring Microsoft® SharePoint® Technologies Farms

Overview

- **Creating Shared Services Providers**
- **Configuring Server Farms**
- **Configuring Administration Settings**
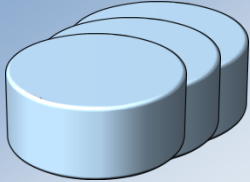
Lesson 1: Creating Shared Services Providers

- Creating the Shared Services Provider

- Configuring User Profiles, Import Connections and Schedules

- Configuring My Sites

- Using Trusted My Site Providers

- Configuring Excel Services

- Configuring SharePoint Single Sign-On

- Creating and Configuring Business Data Catalog Applications

Components of a Shared Service Provider

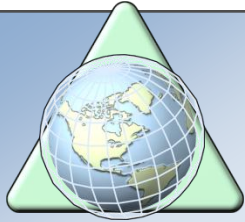## Administration Site
Standard WSS Site with Content DB

Databases
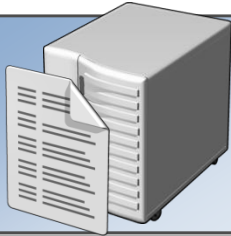**SSP Database; Search Database; Admin Site Content Database**

Shared Web Service Hosting

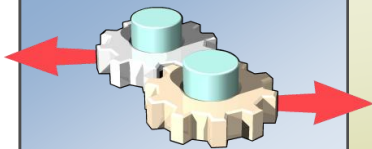# Creating the Shared Services Provider

Create the Web applications

- SSP & MySite

Assign the Index server role

- The SSP is configured with a single Index server

Create the SSP

Configure settings and associate any desired Web applications

Importing Data into User Profiles

Tasks	Details
Connections	Active Directory, LDAP, or BDC Remember: BDC can only augment existing profiles, cannot create new profiles on import (as with Active Directory and/or LDAP)
Import schedules	• Full imports • Incremental imports
Edit profiles	Details are propagated to users My Site Note: Profile Import is a one-way process (Into SharePoint.) Profile properties edited on a user's MySite are not written back to the source (such as Active Directory.)

Extending User Profiles

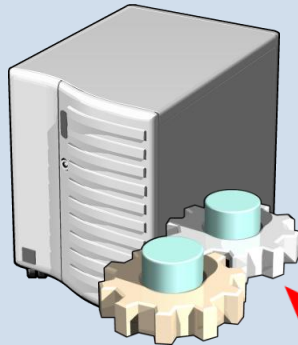| Tasks	Details
Profile properties	• Add new properties • Edit property mappings
Policies	Manage property settings centrally

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Creating & Configuring the SSP

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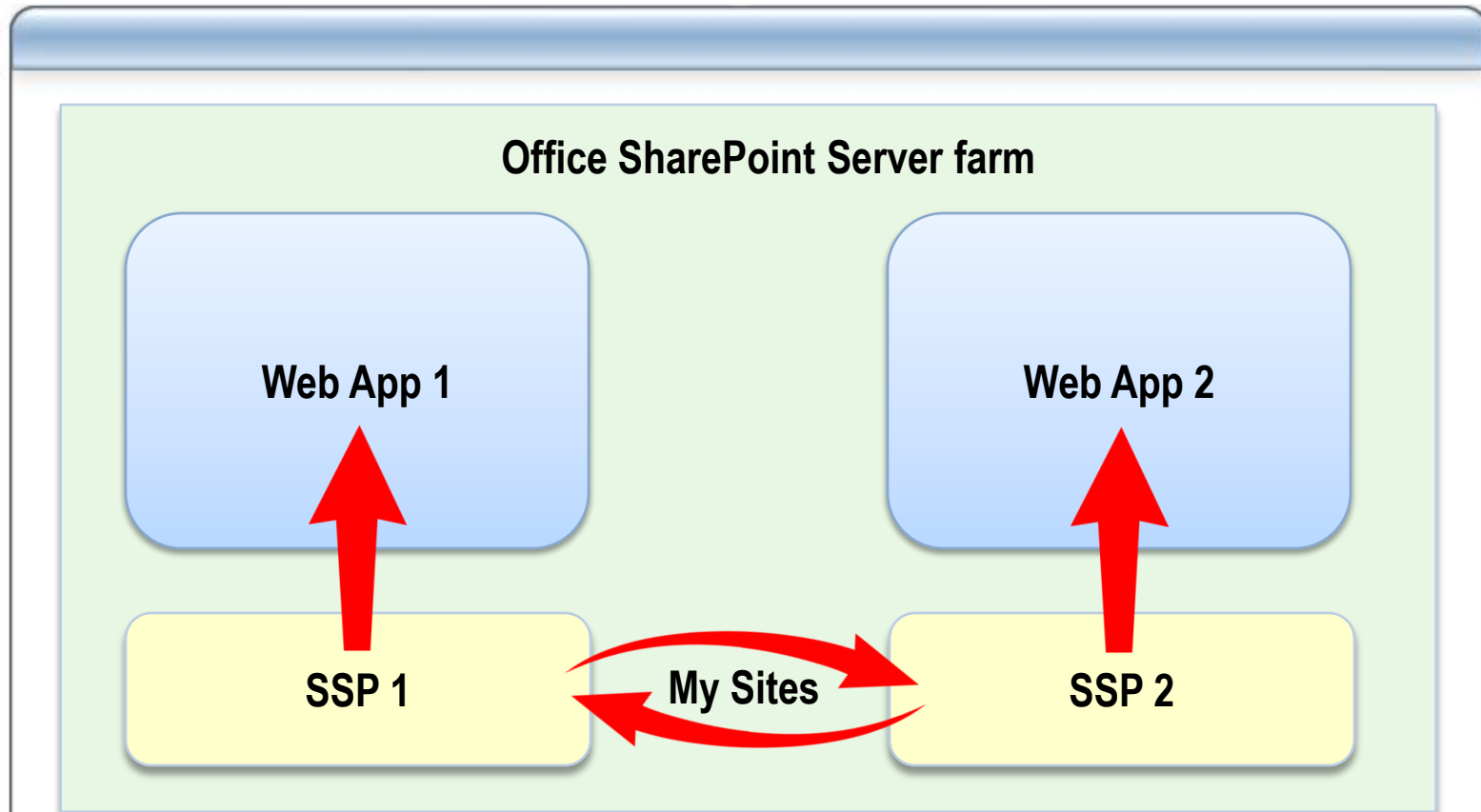
Configuring My Sites

My Sites settings

- Personalized SharePoint site collections that are unique to each individual user
- Configured at the SSP level
- Language options (allow users to choose the language of their site)

Self-service site creation

- Enable users to create their My Sites on demand via Self-service site creation
- Create the My Site Portal Connection (provides breadcrumb navigation trail)

Using Trusted My Sites Providers

Office SharePoint Server farm
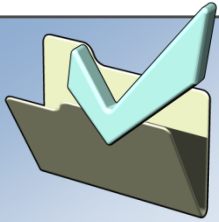
Web App 1

Web App 2

SSP 1

My Sites

SSP 2

- SSP 1 is a trusted My Sites provider for SSP 2

- SSP 2 is a trusted My Sites provider for SSP 1

- Allows scaling of MySites across multiple SSP's and ensures users have one and only one MySite

Configuring Excel Services
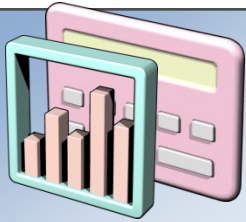
Start Excel Calculation Services on the Desired Server(s)

Configure Trusted File Locations
This allows Excel Services to process any files in these locations
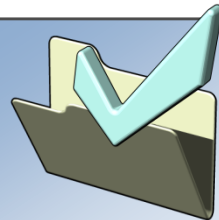
Optionally, Configure other ECS Settings
Caching, Load-balancing, session duration, etc.

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Configuring Excel Services

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Configuring Single Sign-On

User or application

CRM system

Application server

Useful when working with the BDC, Excel Services, InfoPath Forms Services, Web Parts, and other custom components

SSO database

ERP system
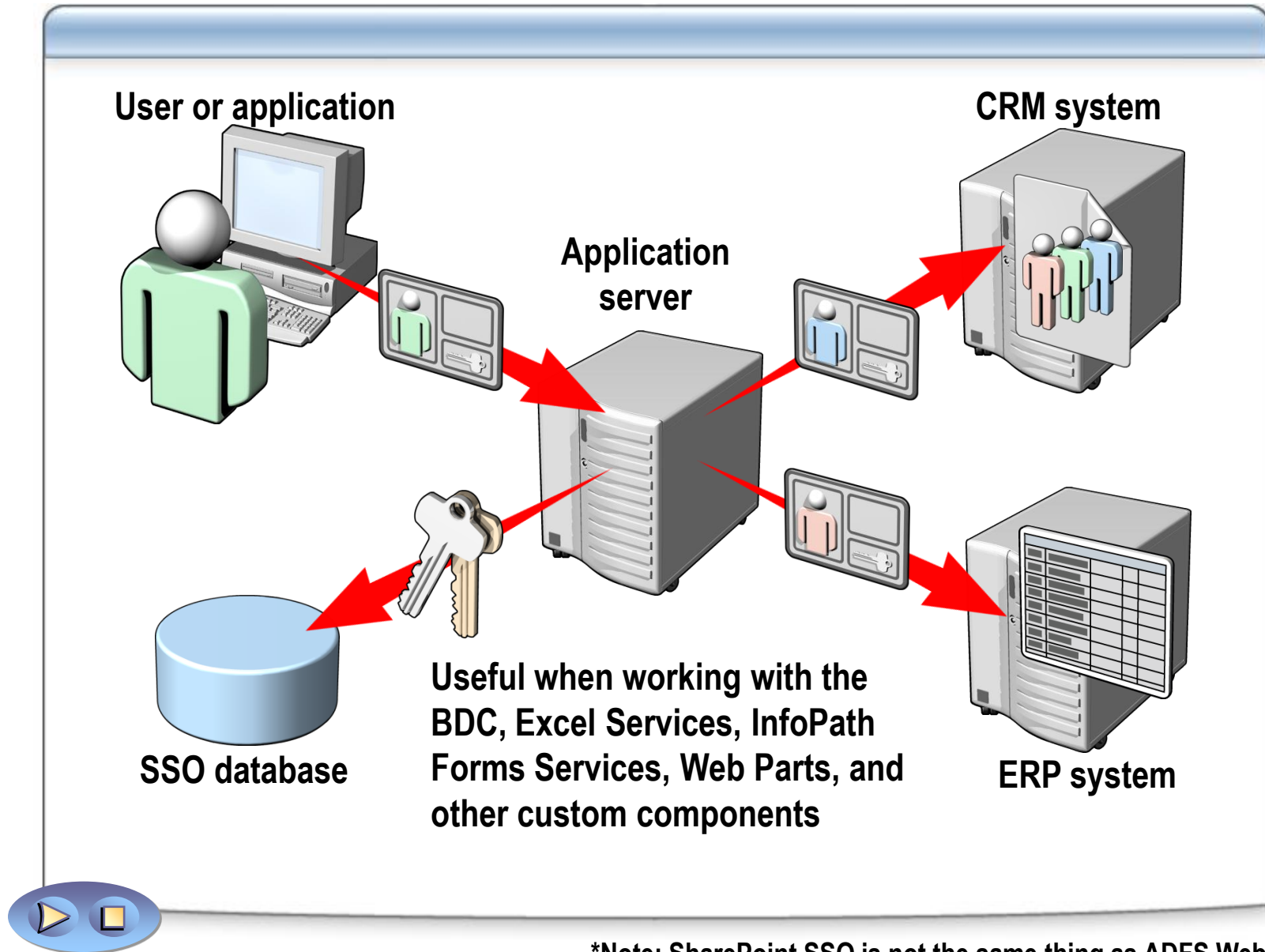
*Note: SharePoint SSO is not the same thing as ADFS Web SSO

# Creating and Configuring Business Data Catalog Applications

Configuring a Business Data Catalog application

1 Configure the Single Sign-On Service (optional)

2 Add the SSO enterprise application definition (optional)

3 Create or import application definition file to the BDC

4 Configure any custom actions or permissions (optional)

5 Incorporate BDC data as desired (BDC Web parts, lists, etc.)
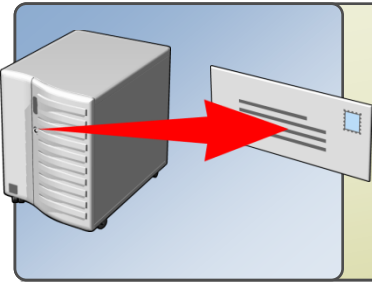
Lesson 2: Configuring Server Farms

- **Configuring E-mail Settings**

- **Configuring Quota Templates**

- **Installing Language Packs**

Configuring E-mail Settings
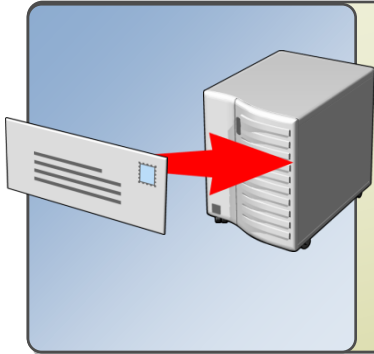
Incoming e-mail

- **Install and configure the SMTP service**
- **Configure Active Directory**
- **Configure DNS Manager**
- **Configure incoming e-mail in Central Administration**

Outgoing e-mail

- **Configure the SMTP service**
- **Configure outgoing e-mail in Central Administration**

Configuring Quota Templates

Task	Details
Typical Applications	• Project sites • Personal sites • Regional or Divisional sites
Creating Quota Templates	• Farm administrator task • Create through Central Admin Web site
Applying Quota Templates	• To an individual site collection • To a Web application as a default value

Installing Language Packs

- **Deploy each additional language pack to every WFE server in your server farm**
- **Run the SharePoint Products and Technologies Configuration Wizard on each WFE server**
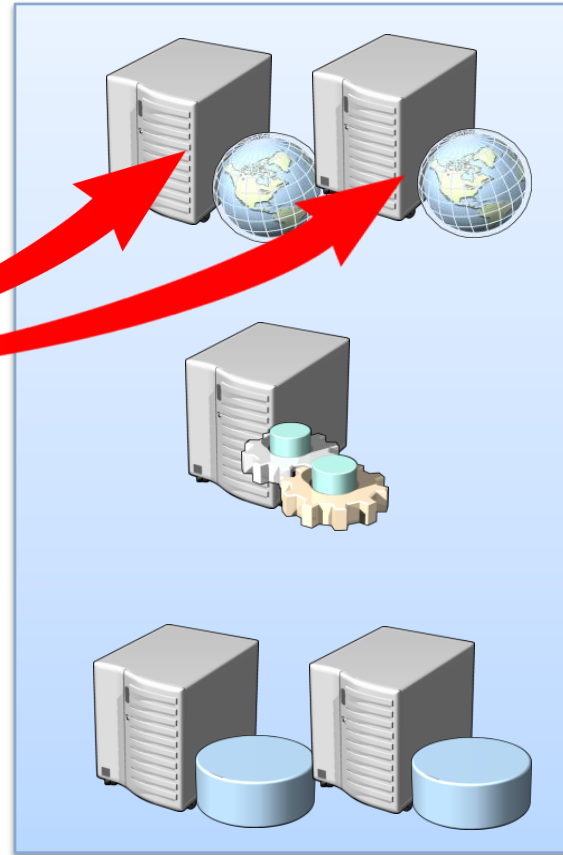
Lesson 3: Configuring Administration Settings

- **Configuring Diagnostic Logging**
- **Configuring Virus Protection**
- **Configuring Portal Usage Reporting**
- **Running the Best Practices Analyzer**

Configuring Diagnostic Logging

Task	Details
Event throttling	• Least critical event to report to the trace log • Least critical event to report to the event log
Viewing event logs	• View the trace log in the SharePoint hive through a text editor • View the event log through Event Viewer
Set logging level at the command line	• Use the stsadm **setlogginglevel** operation • **Tracelevel** parameter for the trace log • **Windowslogginglevel** parameter for the event log

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Configuring Diagnostic Logging

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Configuring Virus Protection

You can configure SharePoint to allow the 3rd party virus scan engine to:

- Scan documents on upload

- Scan documents on download

- Allow users to download infected documents

- Attempt to clean infected documents

*Note: Enabling Virus Protection enables the API events that 3rd party virus scan engines can leverage in their products

Configuring Portal Usage Reporting

Usage reporting is scheduled at the farm level, but most reporting functionality is provided by the SSP:

1 Enable reporting at the farm level

2 Create a reporting and analysis schedule

3 Enable reporting and analysis on the SSP

Running the Best Practices Analyzer

- **Command-line tool that analyzes a SharePoint Products and Technologies deployment for compliance with a set of best practices**

- **Uses a rule file to detect common issues and missing configuration steps**

- **Can add your own custom rules to the rule file to test SharePoint Products and Technologies deployments against additional standards**

- **Report may be in the form of an HTML or XML document. Each item identified as a potential problem by the analyzer is given a severity rating and listed with advice on how to rectify the problem**

```
sharepointbpa –cmd analyze
```

Review

- **Creating Shared Services Providers**

- **Configuring Server Farms**

- **Configuring Administration Settings**

  Virus Protection

  Diagnostic Logging

  Portal Usage Reporting

  Best Practices Analyzer