

Microsoft® SharePoint® Technologies Operations

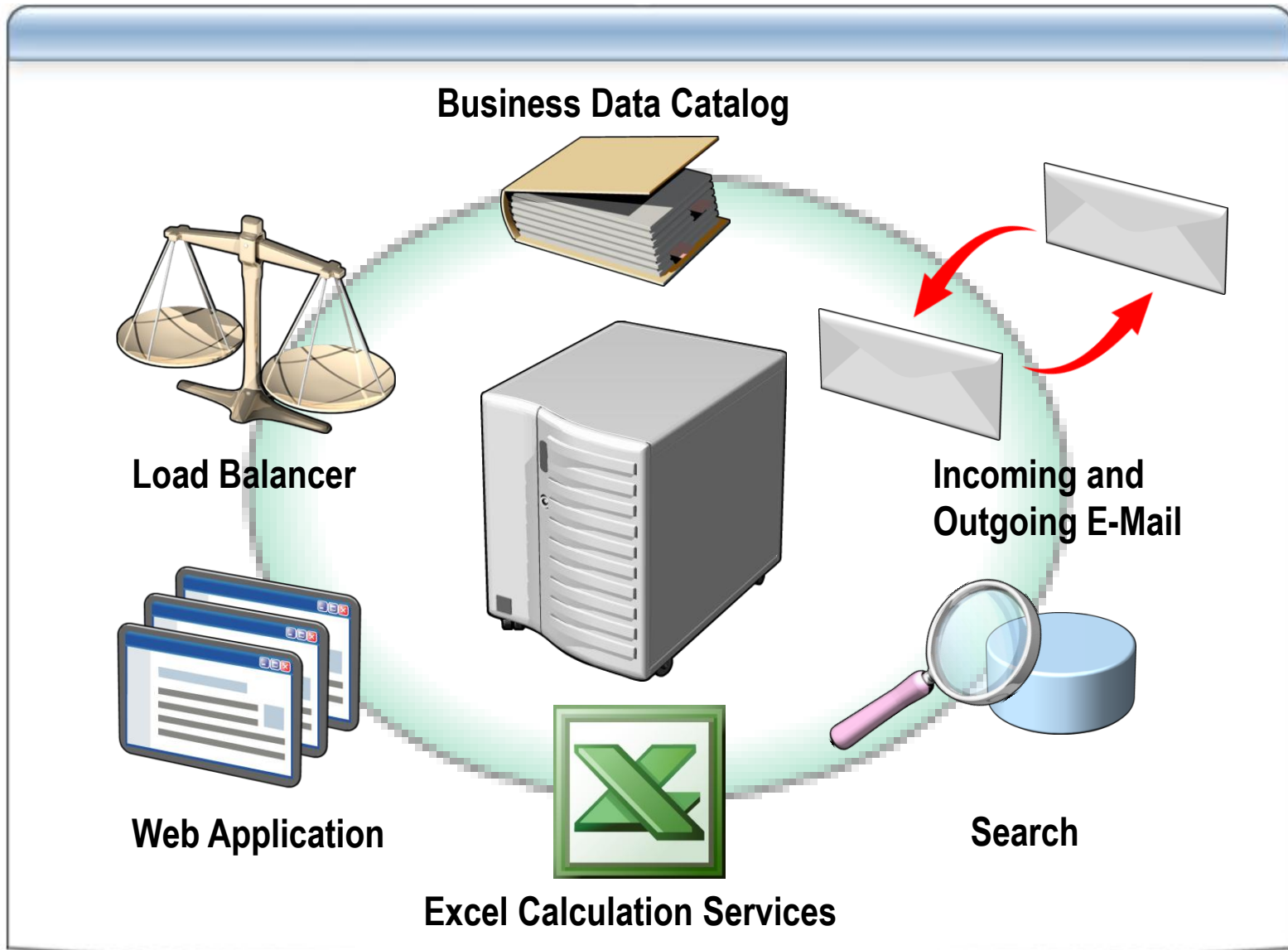
Overview

- **Managing a Server Farm**
- **Using System Center Operations Manager with SharePoint Products and Technologies**
- **Troubleshooting Migrations and Upgrades**

Lesson 1: Managing a Server Farm

- **Managing Topology and Services**
- **Managing Security**
- **Managing Logging and Reporting**
- **Managing the Global Configuration**
- **Content Deployment**

Managing Topology and Services



Managing Security



Information Management Policy



Single Sign-On



Information Rights Management

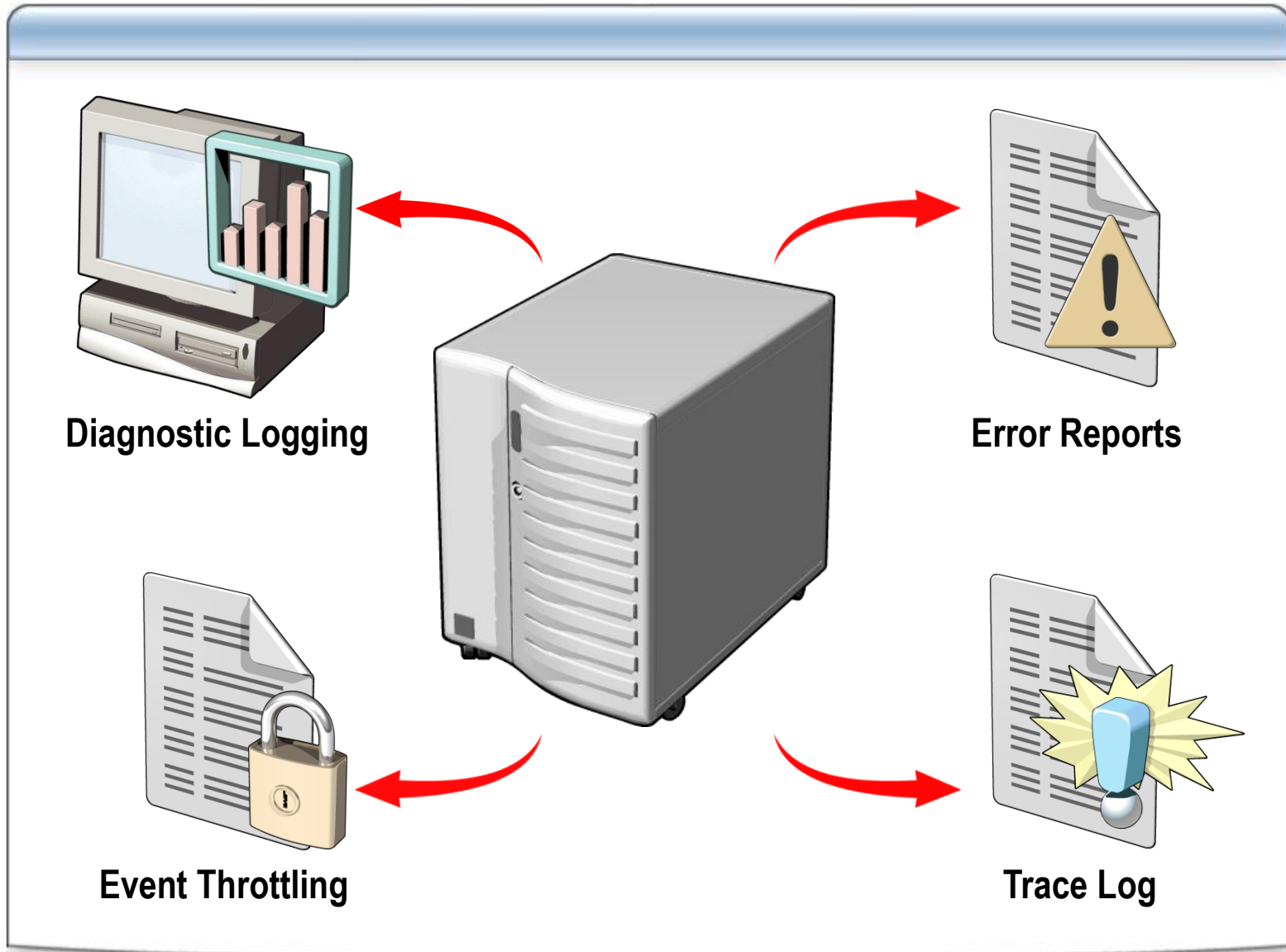


Anti-virus settings

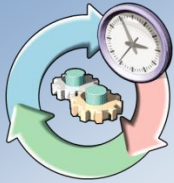


Application security

Managing Logging and Reporting



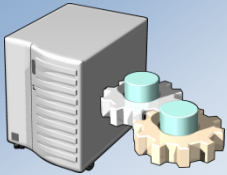
Managing the Global Configuration



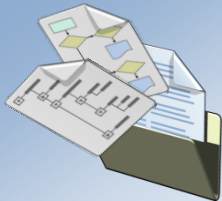
Timer Job Services



Scanning Links



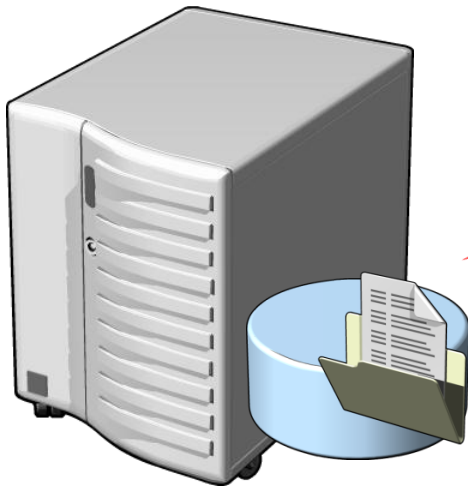
Farm Features



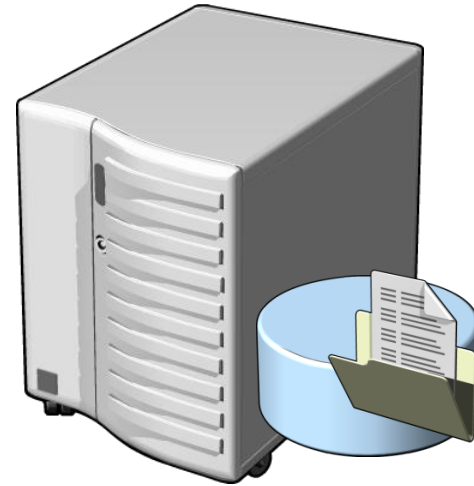
Solution Management

Content Deployment

Content Source System



Content Target System



Web pages
Images
Style sheets
Layout pages



Programs
Assemblies
Features
Configuration information

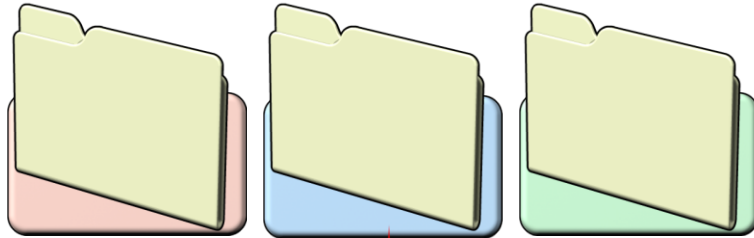


Lesson 2: Using System Center Operations Manager 2007 with SharePoint Products and Technologies

- **System Center Operations Manager 2007 Management Pack for Windows SharePoint Services 3.0**
- **System Center Operations Manager 2007 Management Pack for Microsoft Office SharePoint Server 2007**
- **Monitoring Performance and Availability Issues with System Center Operations Manager 2007**
- **Monitoring Distributed Applications with System Center Operations Manager 2007**

System Center Operations Manager 2007 Pack for Windows SharePoint Services 3.0

SCOM Management Packs



System Center Operations Manager 2007

Windows SharePoint
Service 3.0

Office SharePoint Server
2007

Microsoft Windows IIS
2000-2003 MP

MOM 2005 Backward
Compatibility MP

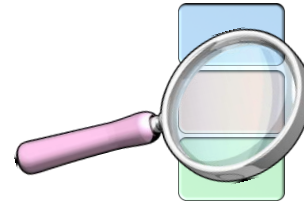
Windows Base OS
Management Pack

SQL Server 2000-2005

System Center Operations Manager 2007 Management Pack for Microsoft Office SharePoint Server 2007



Attributes



Object Discoveries



Monitors



```
stsadm -o ...
```

Tasks



Rules

Monitoring Performance and Availability with Operations Manager 2007

The screenshot displays the System Center Operations Manager 2007 interface. The main window is titled "System Center Operations Manager 2007 - ADWORKSMG". The interface is divided into several panes:

- Monitoring Pane (Left):** Contains a tree view with categories like Active Alerts, Computers, Discovered Inventory, Distributed Applications, Task Status, Agentless Exception Monitoring, Microsoft Windows Client, Network Device, Operations Manager, Synthetic Transaction, and Web Application.
- Computers (1) Pane (Center):** Displays a table of monitored computers. The table has columns for State, Name, Agent, Management Server, and Windows Operating System. One computer is listed: LON-DB-LAB06....
- Actions Pane (Right):** Contains a list of state actions such as Health Explorer, Start Maintenance Mode..., Edit Maintenance Mode settings..., Stop Maintenance Mode, and Personalize view... It also includes a Resources section with links to help and online resources, and a Help section with various topics.
- Bottom Pane:** Contains navigation buttons for Monitoring, Authoring, Administration, and My Workspace.

The status bar at the bottom left shows "Ready".

| State | Name | Agent | Management Server | Windows Operating System |
|---------|------------------|---------|-------------------|--------------------------|
| Healthy | LON-DB-LAB06.... | Healthy | Healthy | Not monit... |

Monitoring Distributed Applications with Systems Center Operations Manager 2007

The screenshot displays the 'Distributed Application Designer' interface. The main workspace shows a hierarchical diagram with two nodes: 'Distributed Application Web Application Web Sites' at the top and 'Distributed Application Web Application Datab' at the bottom, connected by a downward arrow.

Objects Panel:

- Search for objects: [Advanced Search](#)
- Organize Object Types**
Only 7 Object Types can be visible in the Object Picker. In this window, you can organize what Object Types you want to make visible and which ones you want to not show.
- Database
- Distributed Application
- Distributed Application Component
- Web Site

Component Group details:

Distributed Application Web Application Web Sites

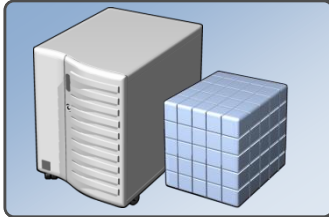
| Key Details | Views | Health Roll-up |
|------------------------------------|---------------------------------------|--|
| Objects: 0 | <input type="checkbox"/> State View | <input type="checkbox"/> Configure Health Rollup |
| Nested Distributed Applications: 0 | <input type="checkbox"/> Alert View | |
| Nested Component Groups: 0 | <input type="checkbox"/> Diagram View | |

* Some links are disabled because the selected object has not been saved yet.

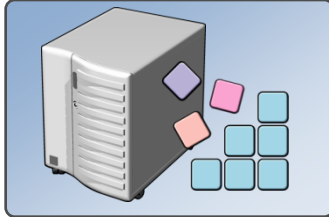
Lesson 3: Troubleshooting Migrations and Upgrades

- **Understand the three different types of upgrade processes available for SharePoint Products and Technologies**
- **Troubleshoot installations**
- **Perform pre-upgrade troubleshooting**
- **Perform post-upgrade troubleshooting**
- **Perform data migration troubleshooting**

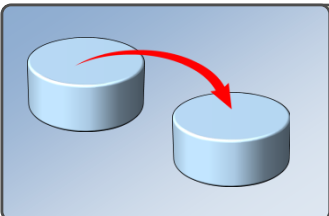
Upgrade Strategies



In-place upgrade

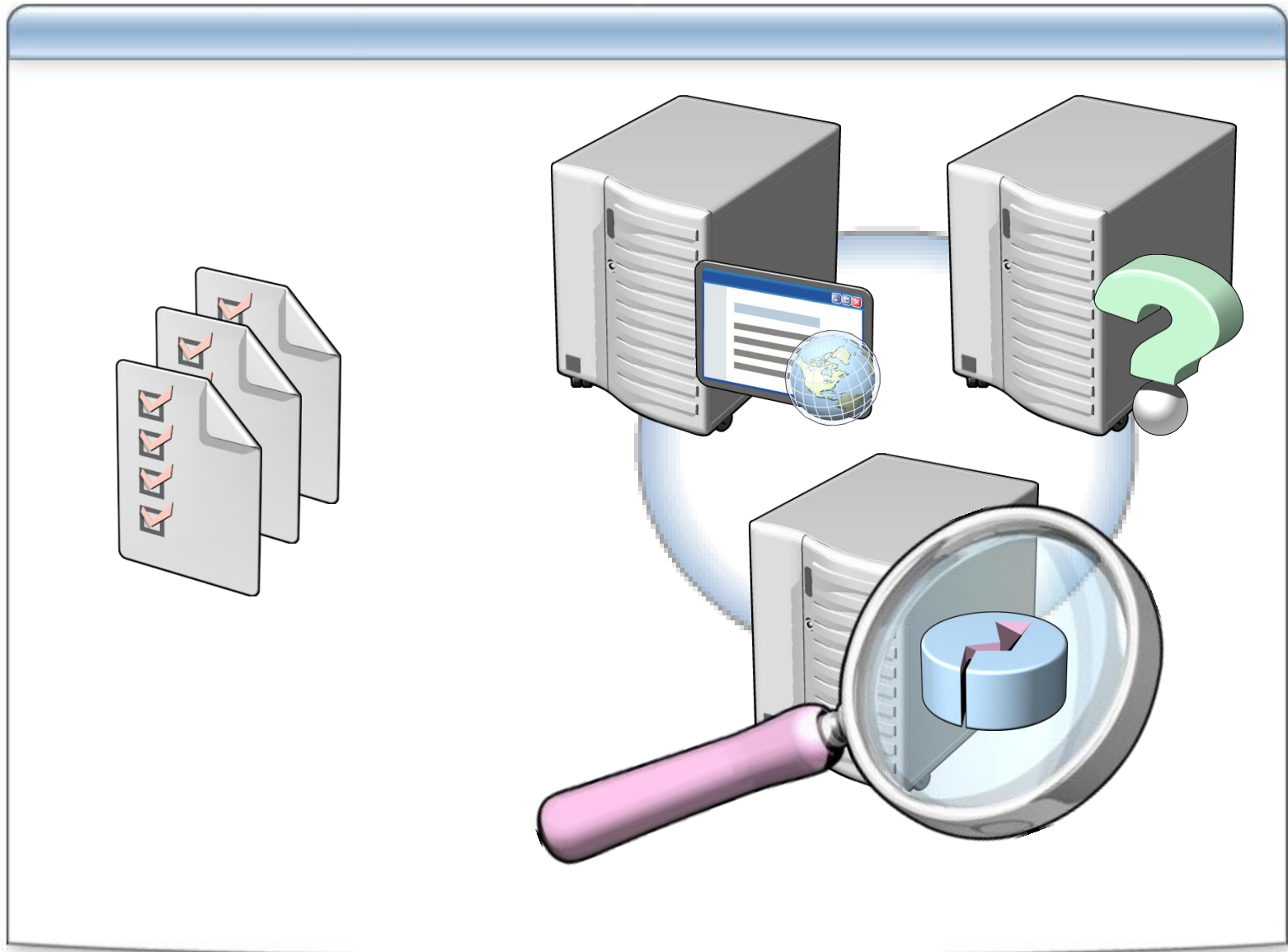


Gradual upgrade



Data migration upgrade

Troubleshooting Installations



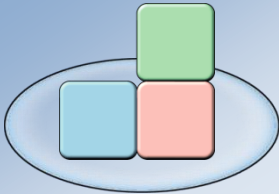
Pre-Upgrade Troubleshooting

| Pre-Upgrade Items | |
|--|---|
| Site templates | ✓ |
| Orphaned objects | ✓ |
| Custom Web Parts | ✓ |
| Sites based on language or upgrade packs | ✓ |

Post-Upgrade Troubleshooting



Hyperlinks



Components



Web Parts



Site customizations

Troubleshooting Data Migration



Recreate Web applications



Re-apply farm configurations



Add customizations

Upgrade and Migration Good Practice Checklists



Pre-upgrade troubleshooting



Post-upgrade troubleshooting



Data migration

Review

- **Managing a Server Farm**
- **Using System Center Operations Manager with SharePoint Technologies**
- **Troubleshooting Migrations and Upgrades**