



Windows SharePoint Services Connector for WebDAV

**A result of a collaboration between
Microsoft Corp. and Comma Soft AG
with support of SAP AG**

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Agenda

- Motivation
- Developing a solution
- Architecture
- Features
- Constraints
- Roadmap
- Demo



Motivation



Motivation 1 – Current Situation

- **Current situation:** customers are using different repositories for documents
 - **SAP Enterprise Portal (SAP EP)**
 - Windows SharePoint Services (WSS)
 - SharePoint Portal Server (SPS)
 - Microsoft Exchange Server public folders (MXS)
 - ...
- **Drawbacks:**
 - Heterogeneous access to documents for SAP EP users
 - Varying user names / logon names for repositories
 - Varying interfaces of repositories
 - No global services like searching or indexing for all documents
 - Management of documents complicated, copy/move between repositories, accessing metadata
 - No unified support for application-based access



Motivation 2 – Expected Benefits

- **Goal: unified access for SAP EP users to all documents from all repositories**
 - All documents are available for common and easy access independently of the repository they are stored in (SAP EP-, WSS-, SPS- or MXS-based repository)
 - Global search for information in documents
 - Link / attach documents to business processes / workflows
 - Copy / move documents between repositories maintaining all document properties / meta data
 - Single user interface for all users and all documents
 - Single Sign On for all users and all documents
 - Unified Application Programming Interface for all repositories



Developing a solution

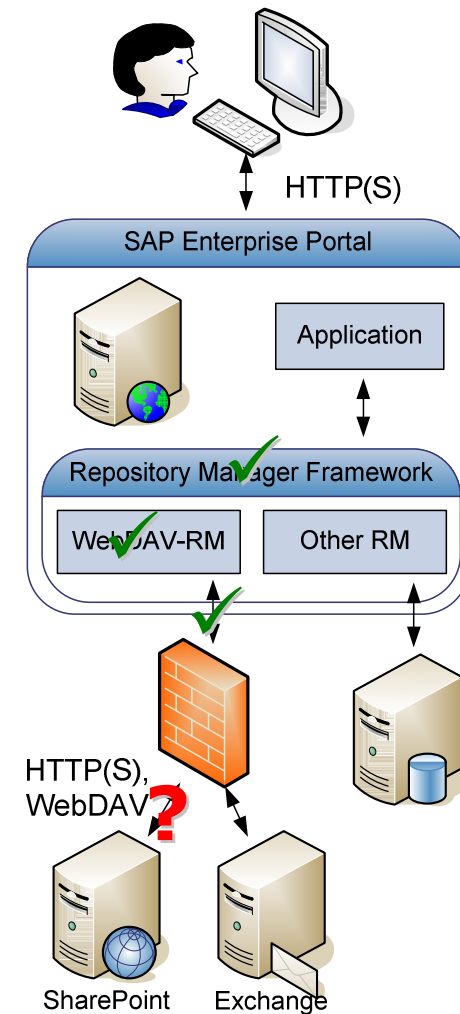


Let's think about existing standards...

- SAP EP already offers a *WebDAV Repository Manager*
- What is the WebDAV Repository Manager?
 - WebDAV
 - Web-based Distributed Authoring and Versioning Protocol
 - Protocol defined by Request for Comment (RFC) 2518
 - Extension to basic HTTP/1.1 (no additional open ports on firewalls)
 - RFC abstract:
WebDAV specifies a set of methods, headers, and content-types ancillary to HTTP/1.1 for the management of resource properties, creation and management of resource collections, namespace manipulation, and resource locking (collision avoidance)
 - Repository Manager
 - A SAP EP based architecture to access different repositories with a homogenous API.
 - Does not only sound great, it **is** great and easy!
- Promising approach that fits most of our needs

What do we have and what do we need ?

- We have:
 - Repository Managers for abstracting different repositories
 - WebDAV protocol for accessing and transporting documents and their metadata
- We need:
 - A way for an effective and efficient usage of WebDAV
 - Do the Microsoft products support WebDAV?





Support of WebDAV by MS products

- Which Microsoft products offer built-in WebDAV-support?
 - Microsoft Exchange: yes
(Outlook Web Access is based on WebDAV)
 - Windows SharePoint Services: yes
(WSS can be integrated into Windows Explorer as Web Drives by means of WebDAV)
 - SharePoint Portal Server: yes
(Offers a fully-featured portal solution and is based on WSS)
- Result: Life could be so easy
 - SAP EP offers repository abstraction and WebDAV support
 - The relevant Microsoft products offer WebDAV support



Limitations

- **Live *could* be easy, because:**
 - Windows SharePoint Services' WebDAV implementation has some limitations which would prevent a connectivity with SAP EP
 - These limitations are due to the imprecise WebDAV RFC
 - This applies to Windows SharePoint Services as well as to SharePoint Portal Server
 - At least, there are no problems with Microsoft Exchange
- **But to save the day:**
 - Microsoft is planning to release the *Windows SharePoint Services Connector for WebDAV* (aka *SharePoint WebDAV Connector / SWC*) shortly
 - SWC is a completely new implementation of a WebDAV-server stack
 - SWC can replace SharePoint's WebDAV implementation
 - SWC will offer lots of enhancements for full integration operability with SAP EP
 - **This is the solution!**



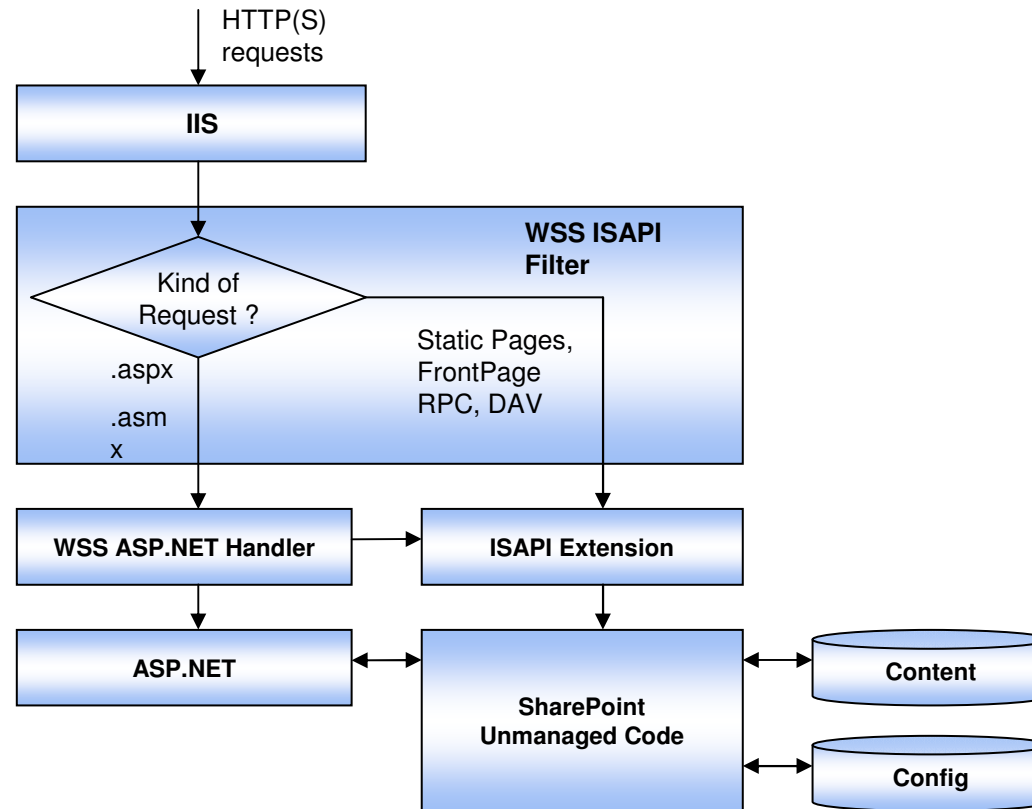
Architecture



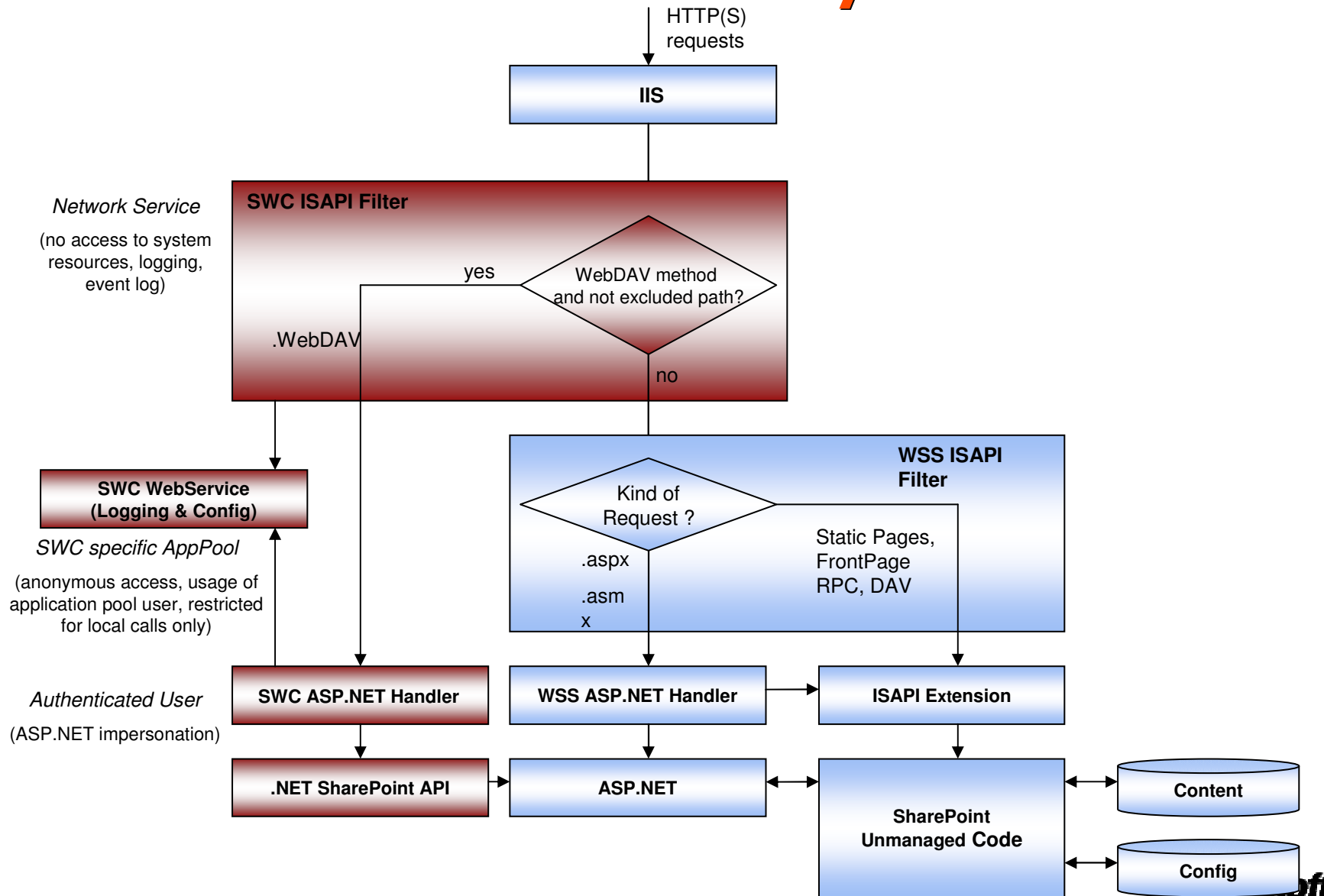
Architecture – Overview

- Extending architecture of Windows SharePoint Services
- Completely new WebDAV stack
- Based on IIS 6.0 and Windows Server 2003
- Written in C#/C++ for highest possible performance

Architecture – Original



Architecture - Extension by SWC





Features of Windows SharePoint Services Connector for WebDAV



Key Features

- Full access to all Windows SharePoint Services based document libraries
- Full support for custom properties / meta data
- Full support for Windows SharePoint Services' versioning capabilities
- Transparent access to documents
 - SAP EP user don't even see if the document repository is a SharePoint or Exchange based one



Authentication

- Full integration of authentication methods between SAP EP and Windows SharePoint Services / IIS
 - NTLM
 - Basic w/wo SSL
 - Kerberos
 - Certificates
 - Single Sign On
 - Cross Domain Single Sign On
 - SAP EP based individual user mapping
 - SAP EP based one-for-all user mapping



Integration Capabilities

- Transfer operations between different document repositories
 - Possibility to transfer documents from Exchange public folders to Windows SharePoint Services based document libraries
- Optional support for WebDAV drafts offering significant performance enhancements when used in conjunction with SAP EP
- All WebDAV enhancements from SWC may be used from any WebDAV based client / application, not only from SAP EP
- Of course: no replication mechanism of document data



Installation and Administration

- GUI for installation, maintenance & configuration
- Non-destructive installation may be used in parallel with Windows SharePoint Services' internal WebDAV server stack
- Detailed administration settings
- Familiar GUI modeled on the GUI of Windows SharePoint Services
- No additional skills required
- Sophisticated filter-based configuration which client requests should be answered by SWC and which by Windows' SharePoint Services' default implementation



Constraints



Technical Constraints 1

- Focus of SWC are documents
 - Access to SharePoint based **documents** and **document libraries**
 - SharePoint lists like contacts, events, discussions or surveys are **not** supported.
- Limited GUI integration
 - Full read/write access to SharePoint documents
 - Full read/write access to SharePoint meta data / custom properties
 - iView based HTML rendering of these data has some restrictions
 - A full iView based integration can be done by **developing** a custom iView for SAP EP
 - GUI limitations apply also to Exchange
- Unnecessary versions may be created
 - SAP EP requires to store the DAV:owner property when checking out documents
 - Storing the property requires to checkin the document and then recheckout, thereby creating new versions
 - This behavior occurs only if the DAV:owner property differs from the current NT-username



Technical Constraints 2

- Other constraints
 - If read-only users should be able to access a SharePoint site's root, he must have the site group permission *Browse Directories*. This permission is not activated in the default reader site group.
 - The first lock / checkout operation inside a document library must be done by a user with the SharePoint web designer role to create a custom property in the document library.
 - No locking / versioning operations for collection resources, but still full WebDAV compliance.
 - No support for arbitrary properties but full read-/write-access to SharePoint meta data and still full WebDAV compliance.
 - Some special arbitrary properties may be emulated as *ghost properties*. They always return a constant value and behave as if they were writable.
 - Minor constraints for COPY / MOVE operation on cross site operations regarding property and version persistence because of SharePoint specific constraints.



Overcoming GUI limitations

- No need for specific Windows SharePoint Services know-how
- No need for specific WebDAV know-how
- Only knowledge of SAP EP's Repository Manager Framework needed
- Usage of a single API to access different repositories



Roadmap – History and Future



Roadmap & Availability

- Planned pricing & licensing:
 - SWC will be available for free through MSDN
 - Details in SWC's End User License Agreement (EULA)
- Planned releases
 - BETA-1: August 2005 ✓
 - BETA-2: September 2005 ✓
 - BETA-3: November 2005 ✓
 - RC-1: May 2006 ✓
 - RTM: June 2006



Additional information

Additional information

- Whitepaper 1:

How to integrate Microsoft Exchange
into SAP Enterprise Portal

<https://www.sdn.sap.com/irj/servlet/prt/portal/prtroot/docs/library/uuid/a46c209d-0601-0010-2089-f0c967d1199a>

Easiest way to find:

Perform an advanced search on <http://sdn.sap.com> for author Draken or Vogt.

- Whitepaper 2:

SharePoint WebDAV Connector
How to integrate Microsoft Windows SharePoint Services
and Microsoft Exchange
into SAP Enterprise Portal

(will be available as soon as SWC is released as product)

<http://sdn.sap.com/to-be-done>
<http://www.microsoft-sap.com/to-be-done>

- SAP Press:

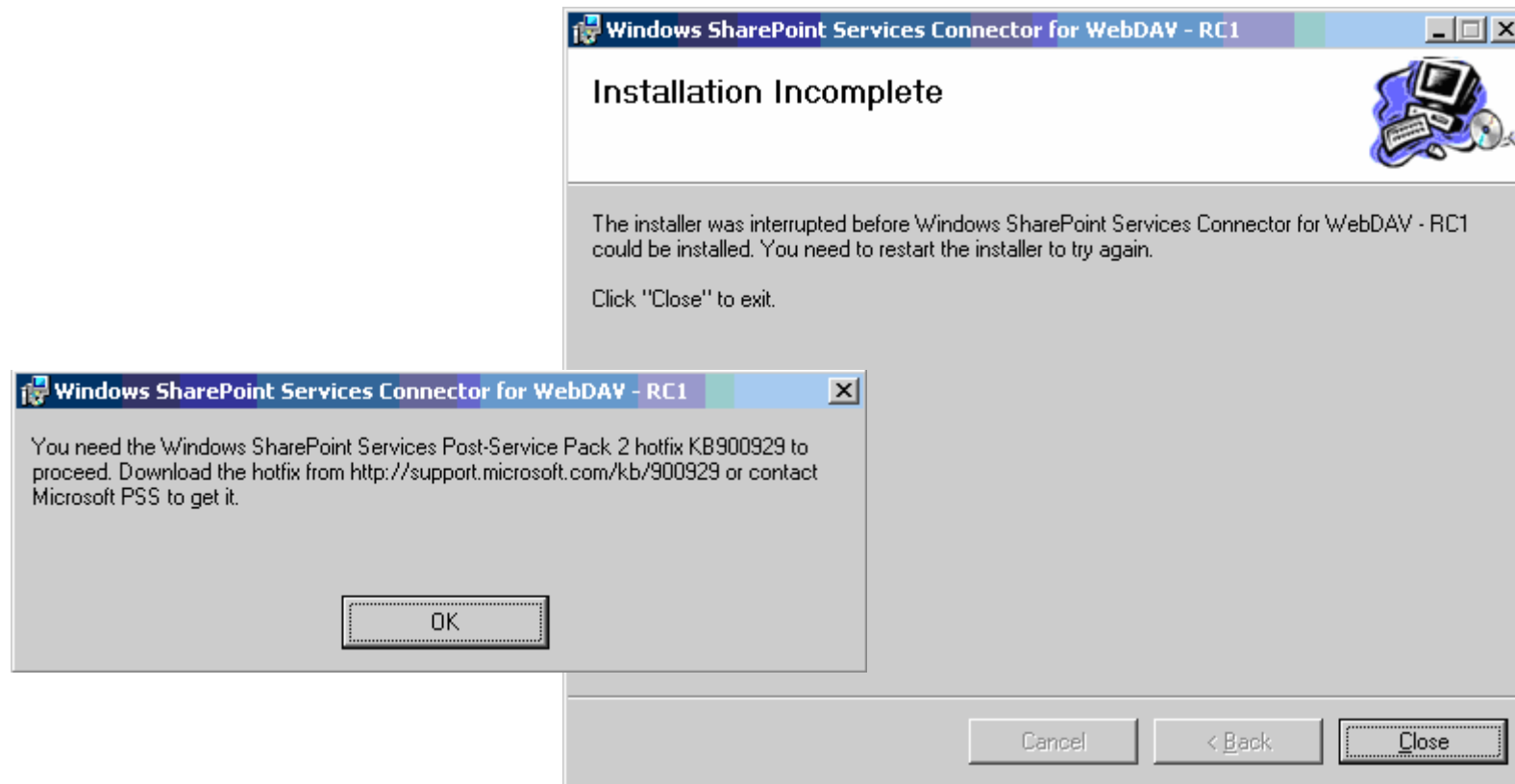
Integration von SAP NetWeaver und Microsoft .NET
(A. Rohr, T. Meigen, A. Fischer; should be available in June 2006)



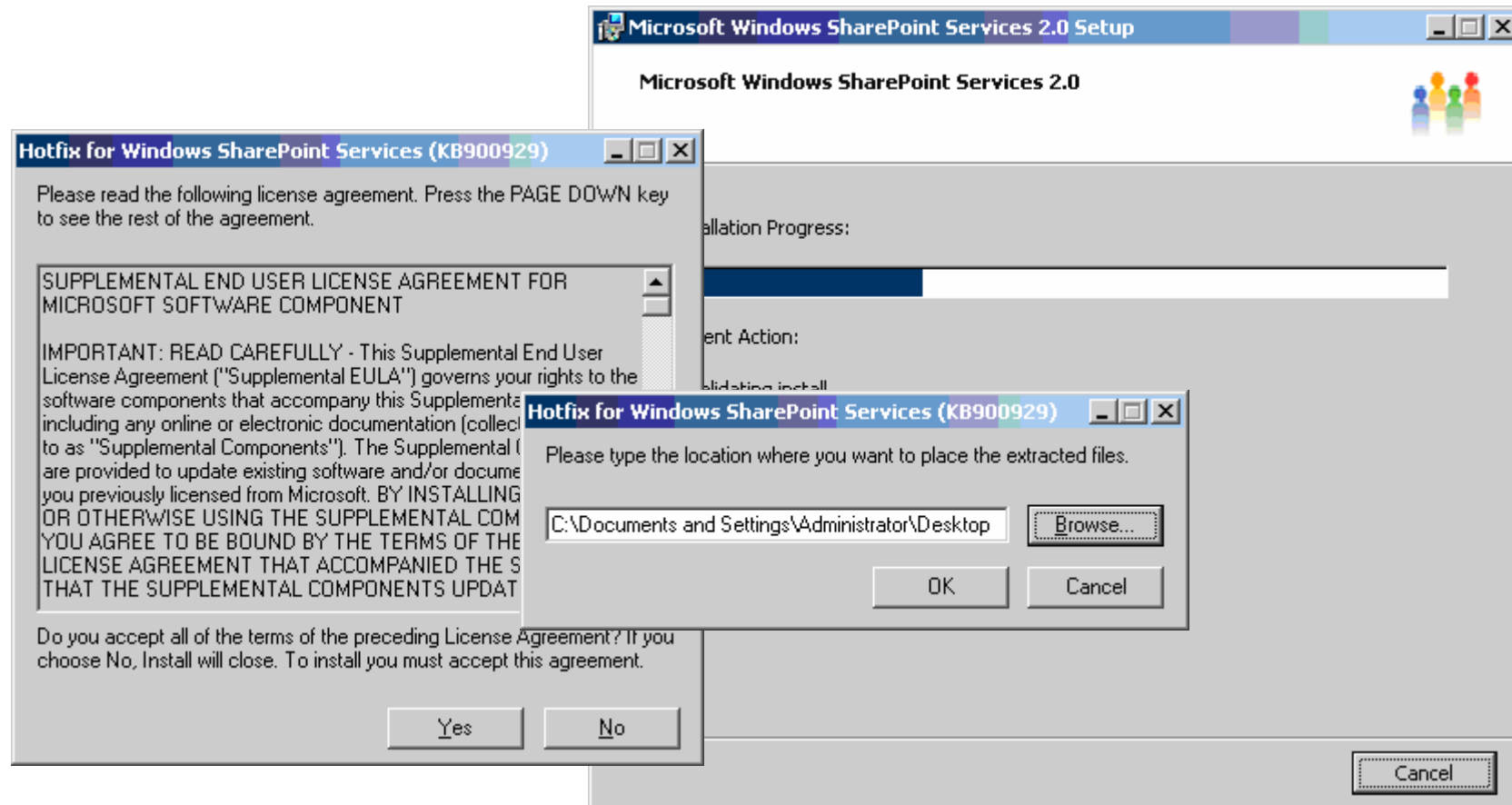
- Demo -

Installation of Windows SharePoint Services Connector for WebDAV

Installation without hotfix KB900929 for WSS



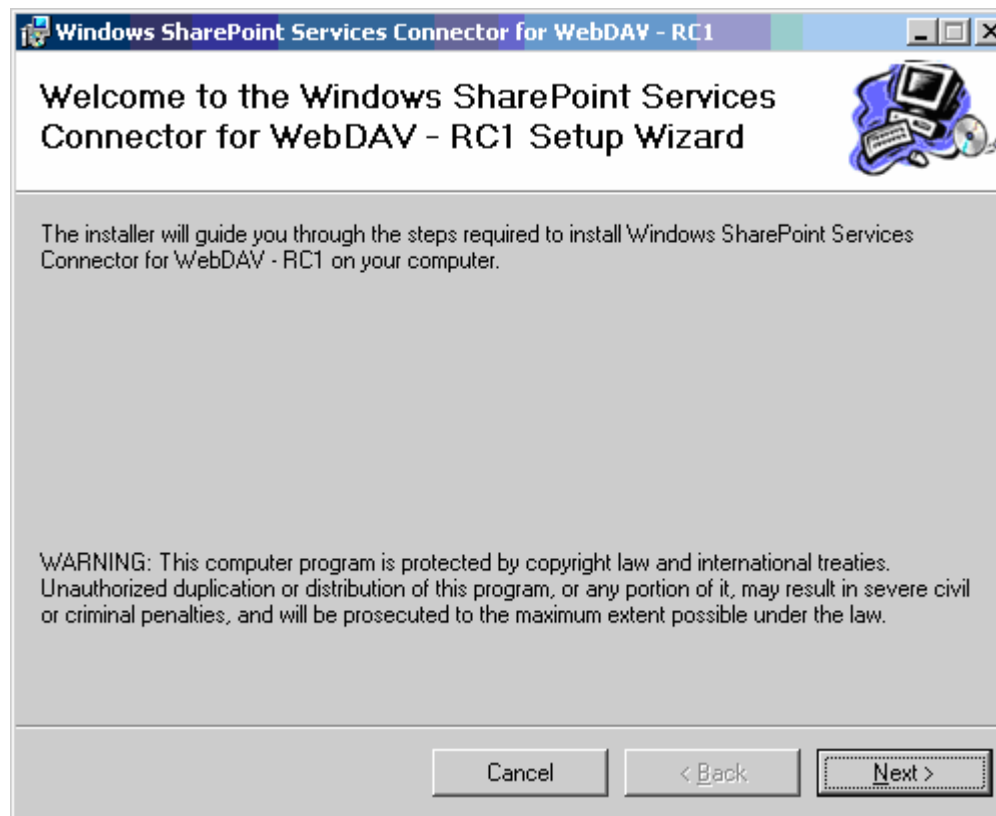
Installation of hotfix KB900929 for WSS



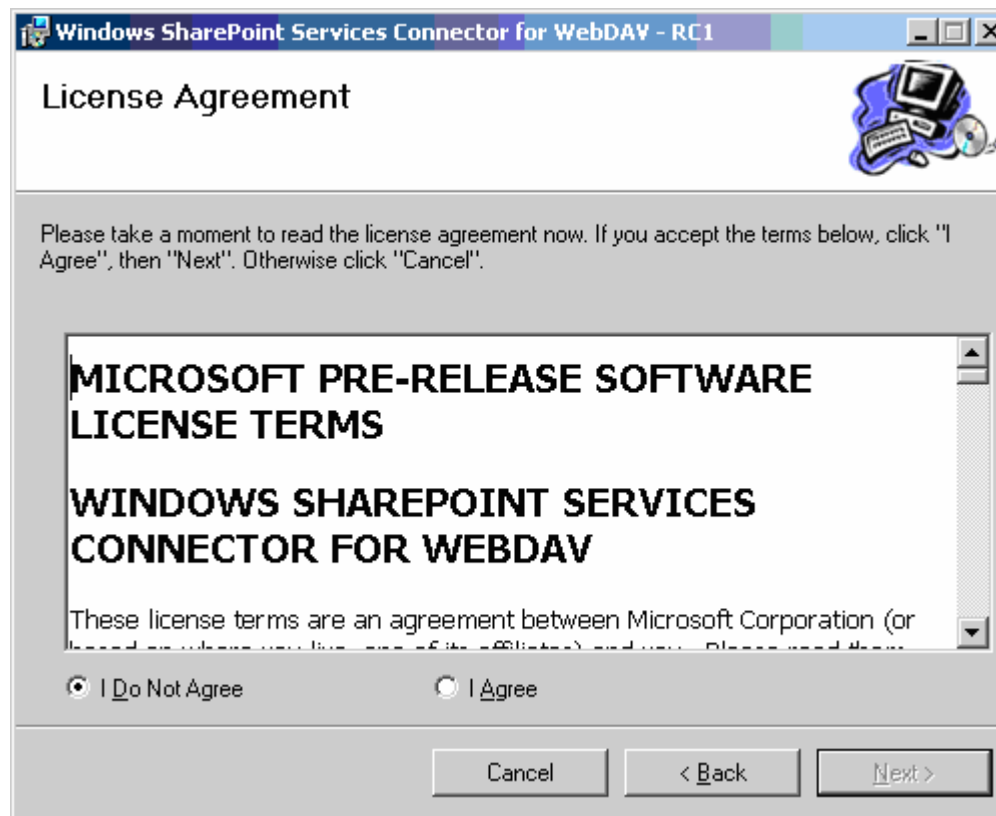
This will extract two files:

- STS_readme.txt: additional information about installing the hotfix
- STS.msp: hotfix package; double-click to apply

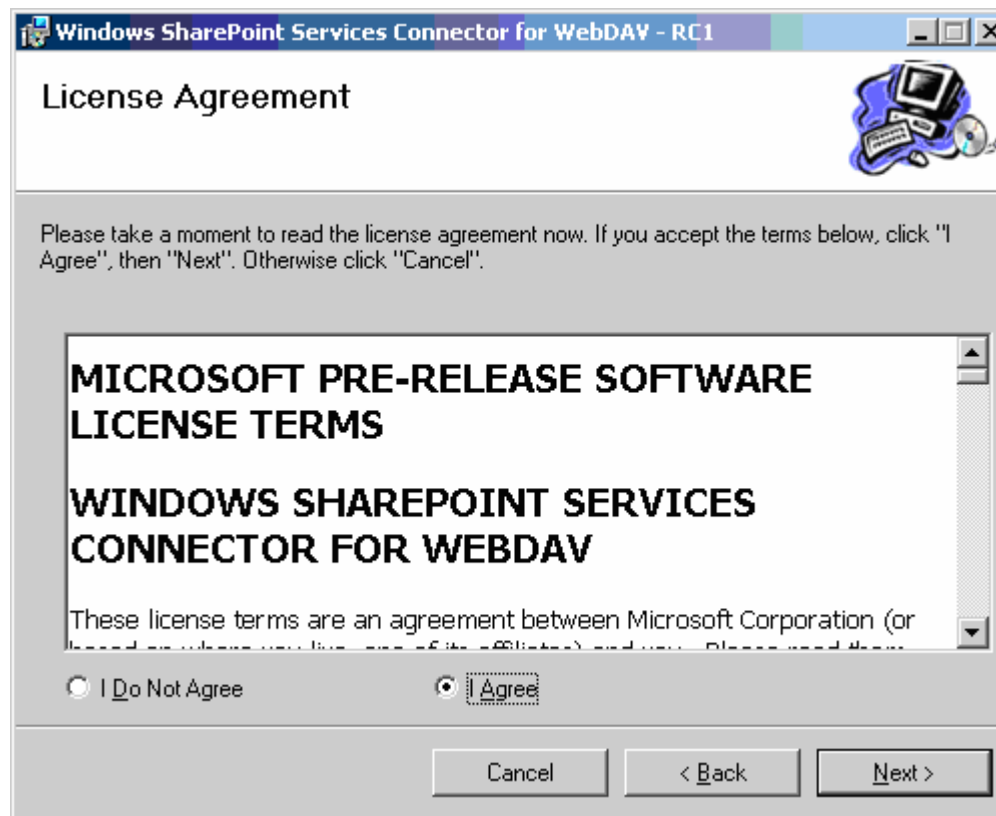
Installation of SWC



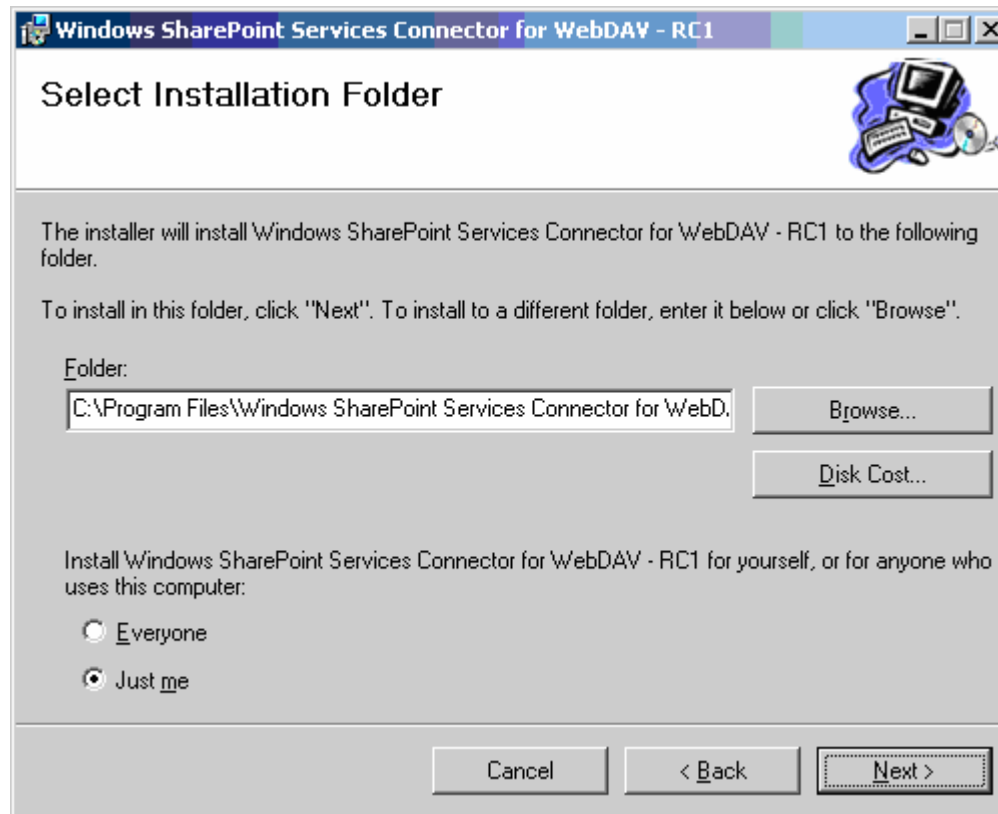
Installation of SWC



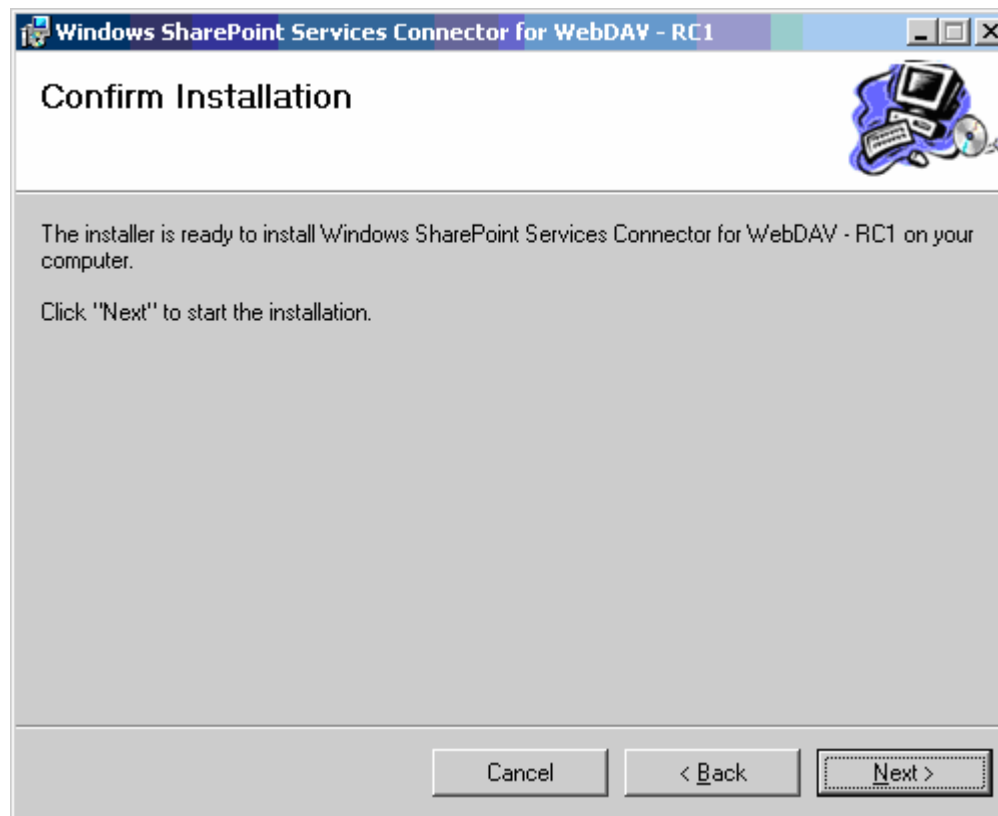
Installation of SWC



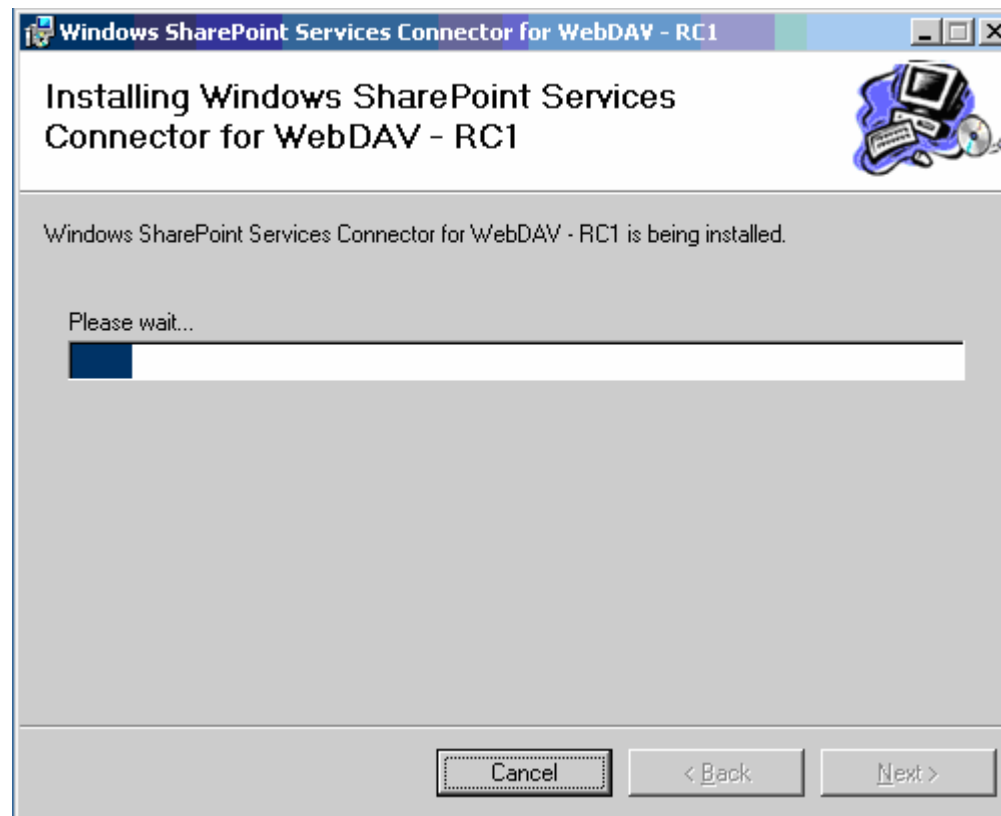
Installation of SWC



Installation of SWC



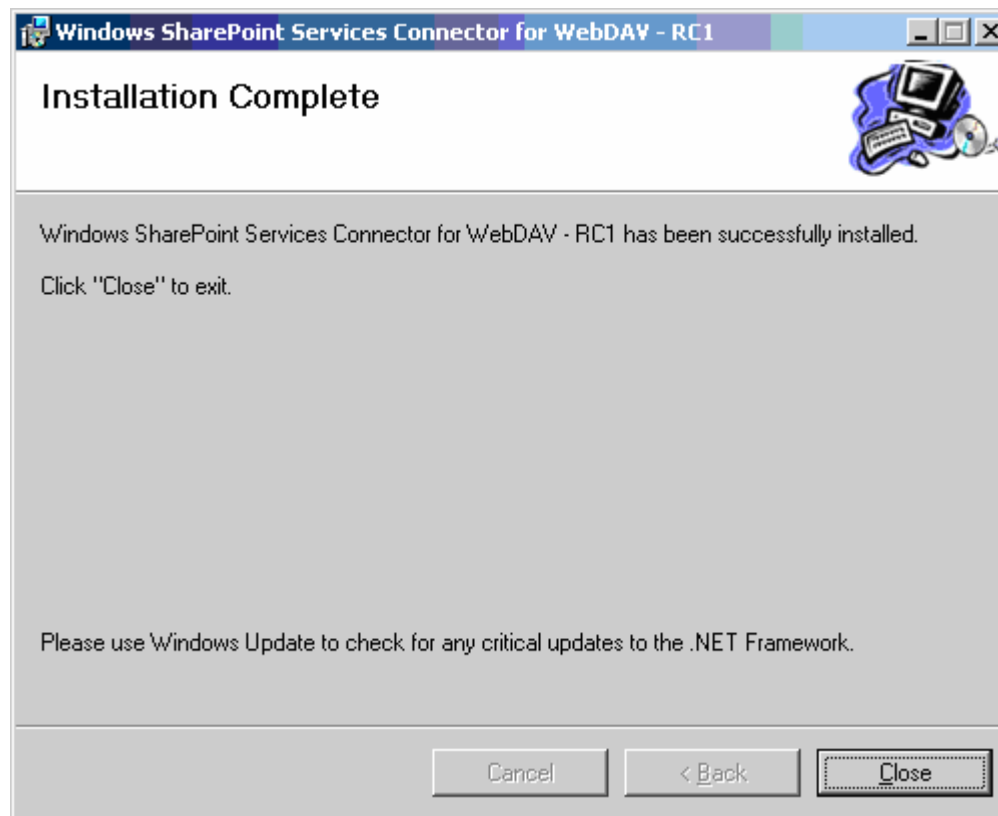
Installation of SWC



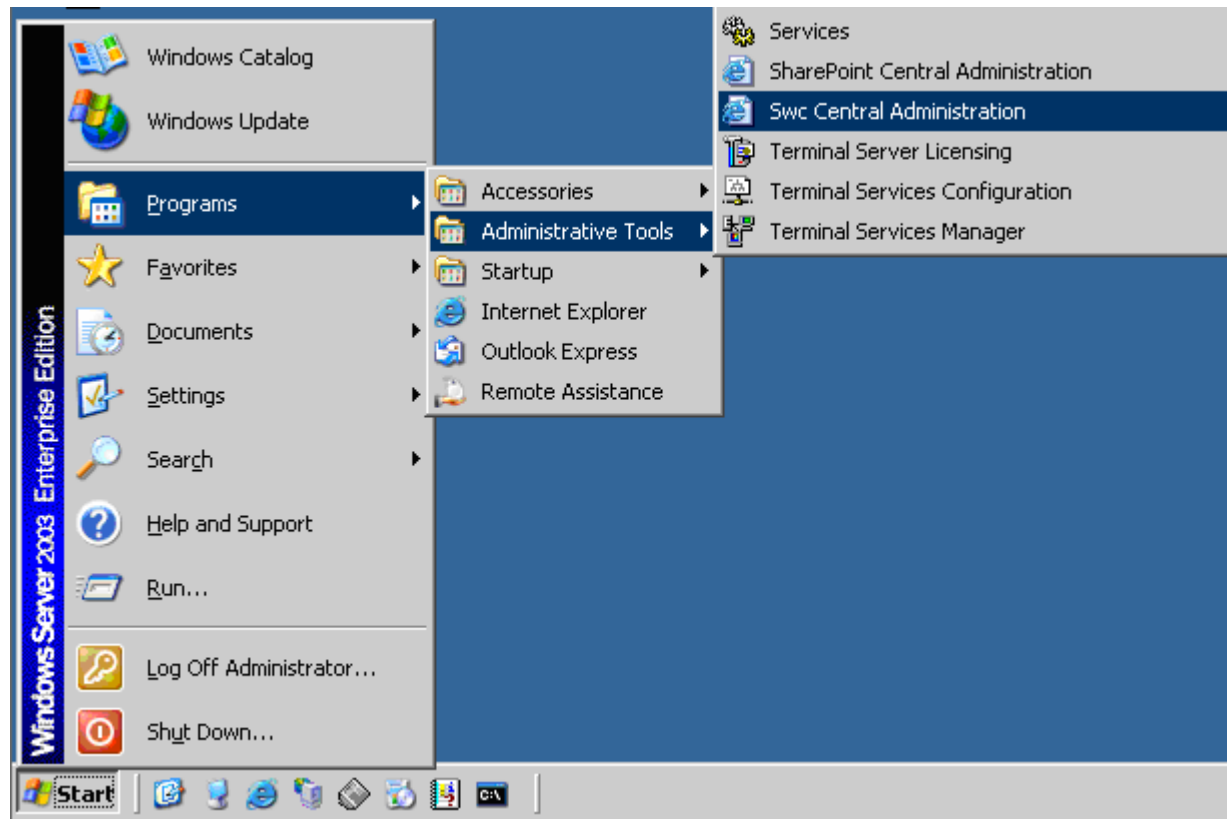
Installation of SWC



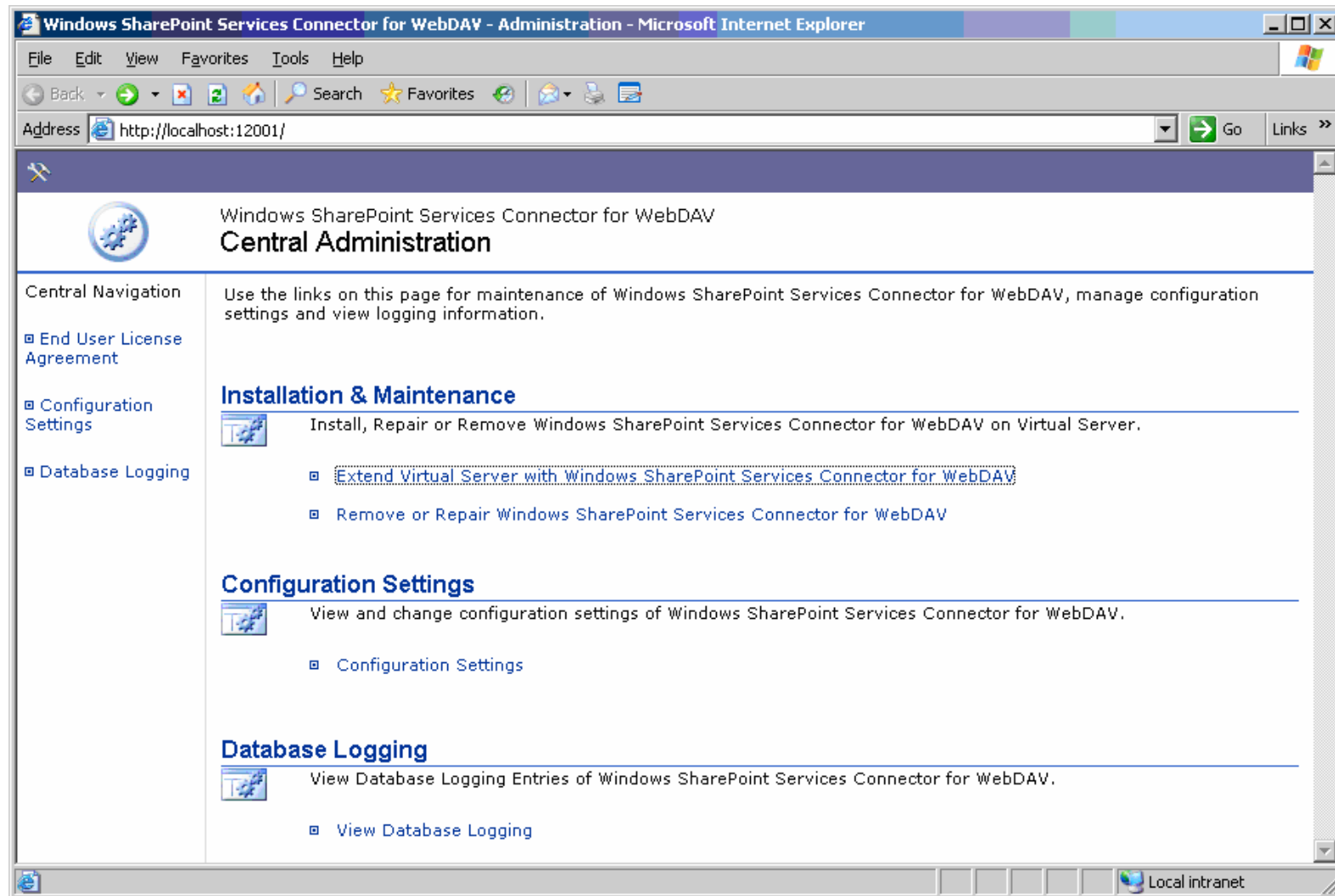
Installation of SWC



Extending a virtual server with SWC



Extending a virtual server with SWC



Extending a virtual server with SWC

The screenshot shows a web browser window titled "Windows SharePoint Services Connector for WebDAV - Installation VList - Microsoft Internet Explorer". The address bar shows the URL "http://localhost:12001/ExtendList.aspx?Operation=1". The page content includes a "Central Navigation" sidebar with links to "End User License Agreement", "Administration", "Configuration Settings", and "Database Logging". The main content area is titled "Virtual Server List" and contains a table with the heading "Extend Virtual Server with Windows SharePoint Services Connector for WebDAV". The table lists a single virtual server named "Default Web Site" with a URL of "http://swcref/", which is currently "Not Installed" and "Not Extended".

| Name | URL | Filter Version | Handler Version | Status | IIS Instance ID |
|------------------|----------------|----------------|-----------------|--------------|-----------------|
| Default Web Site | http://swcref/ | Not Installed | Not Installed | Not Extended | 1 |

Extending a virtual server with SWC

The screenshot shows a web browser window titled "Windows SharePoint Services Connector for WebDAV - Installation Options - Microsoft Internet Explorer". The address bar shows the URL: `http://localhost:12001/ExtendOptions.aspx?Url=http%3a%2f%2fswcref%2f&Operation=1`. The page content includes a central navigation pane on the left with links: "End User License Agreement", "Administration", "Configuration Settings", and "Database Logging". The main content area is titled "Extend Virtual Server" and contains the following sections:

Current Virtual Server

Note the current virtual server name. To change virtual servers, go to the [Choose Virtual Server](#) page.

| | |
|----------------------|-----------------------------|
| Virtual Server Name: | Default Web Site |
| URL: | <code>http://swcref/</code> |
| Filter Version: | Not Installed |
| Handler Version: | Not Installed |
| Status: | Not Extended |
| IIS Instance ID: | 1 |

Extending Virtual Server

Use the **OK button** to start extending this Virtual Server with Windows SharePoint Services Connector for WebDAV. This operation will install the SwcFilter and the SwcHandler.

Click the **Cancel button** to abort the operation.

At the bottom right of the main content area, there are two buttons: "OK" and "Cancel".

Extending a virtual server with SWC

Windows SharePoint Services Connector for WebDAV - Installation Options - Microsoft Internet Explorer

File Edit View Favorites Tools Help

Back Forward Stop Reload Search Favorites

Address http://localhost:12001/ExtendOptions.aspx?Url=http%3a%2f%2fswcres%2f&Operation=1 Go Links

Windows SharePoint Services Connector for WebDAV
Extend Virtual Server

Central Navigation

- End User License Agreement
- Administration
- Configuration Settings
- Database Logging

Use this page to extend a virtual server with Windows SharePoint Services Connector for WebDAV

| Current Virtual Server | |
|--|--|
| Note the current virtual server name. To change virtual servers, go to the Choose Virtual Server page. | Virtual Server Name: URL: Filter Version: Handler Version: Status: IIS Instance ID: |
| | Default Web Site http://swcres/ Not Installed Not Installed Not Extended 1 |

Extending Virtual Server

Use the **OK button** to start extending this Virtual Server with Windows SharePoint Services Connector for WebDAV. This operation will install the SwcFilter and the SwcHandler.

Click the **Cancel button** to abort the operation.

To extend this Virtual Server with Windows SharePoint Services Connector for WebDAV, the IIS Web Site will be automatically stopped - and restarted after the operation completes.

Please confirm by clicking the OK button again.

To abort, click the Cancel button.

OK Cancel

Done Local intranet

Extending a virtual server with SWC

Windows SharePoint Services Connector for WebDAV - Installation VSList - Microsoft Internet Explorer

File Edit View Favorites Tools Help

Back Forward Stop Search Favorites

Address <http://localhost:12001/ExtendList.aspx?Operation=0&task=Extending%20Virtual%20Server&success=true> Go Links >>

Windows SharePoint Services Connector for WebDAV
Virtual Server List

Central Navigation

- End User License Agreement
- Administration
- Configuration Settings
- Database Logging

To perform maintenance tasks for a virtual server, click the virtual server name.

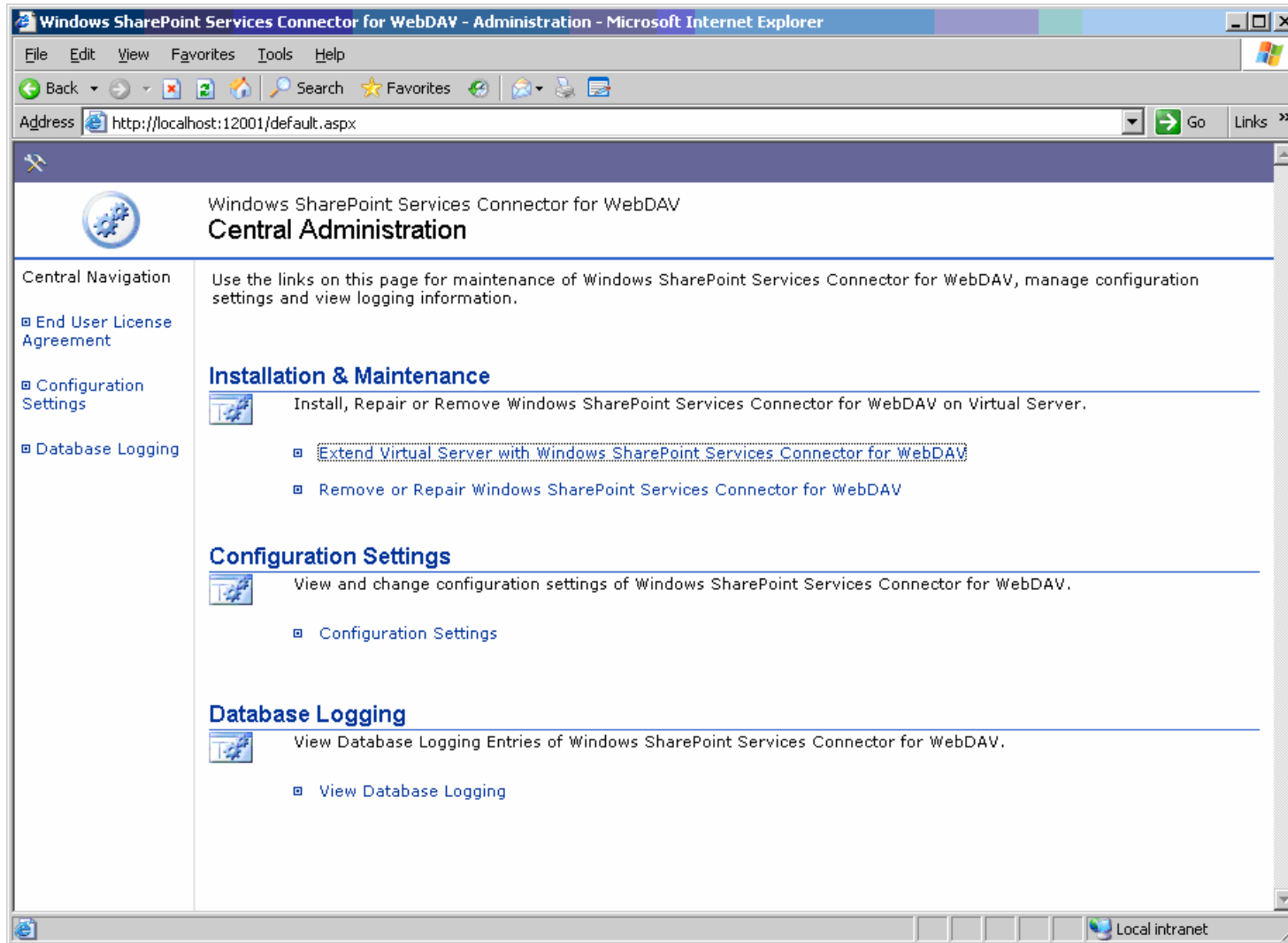
Extending Virtual Server: successful.

Complete List

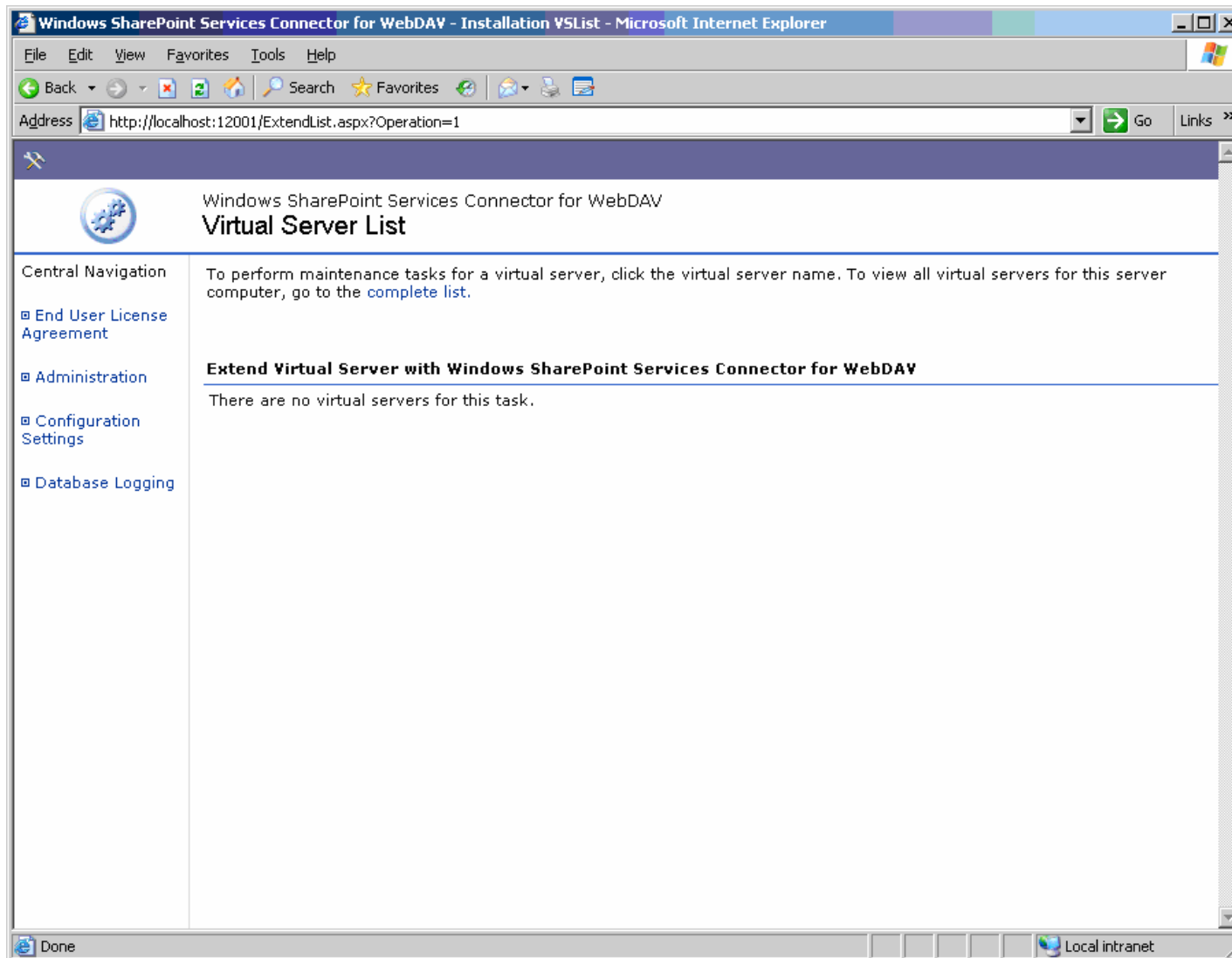
| Name | URL | Filter Version | Handler Version | Status | IIS Instance ID |
|----------------------------------|---|----------------|-----------------|----------|-----------------|
| Default Web Site | http://swcref/ | 1.0.0.0 | 1.0.2315.14795 | Extended | 1 |

Done Local intranet

Extending a virtual server with SWC



Extending a virtual server with SWC



Extending a virtual server with SWC

Windows SharePoint Services Connector for WebDAV - Installation VSList - Microsoft Internet Explorer

File Edit View Favorites Tools Help

Back Forward Stop Home Search Favorites

Address <http://localhost:12001/ExtendList.aspx> Go Links >>

Windows SharePoint Services Connector for WebDAV
Virtual Server List

Central Navigation

- End User License Agreement
- Administration
- Configuration Settings
- Database Logging

To perform maintenance tasks for a virtual server, click the virtual server name.

Complete List

| Name | URL | Filter Version | Handler Version | Status | IIS Instance ID |
|----------------------------------|---|----------------|-----------------|----------|-----------------|
| Default Web Site | http://swcref/ | 1.0.0.0 | 1.0.2315.14795 | Extended | 1 |

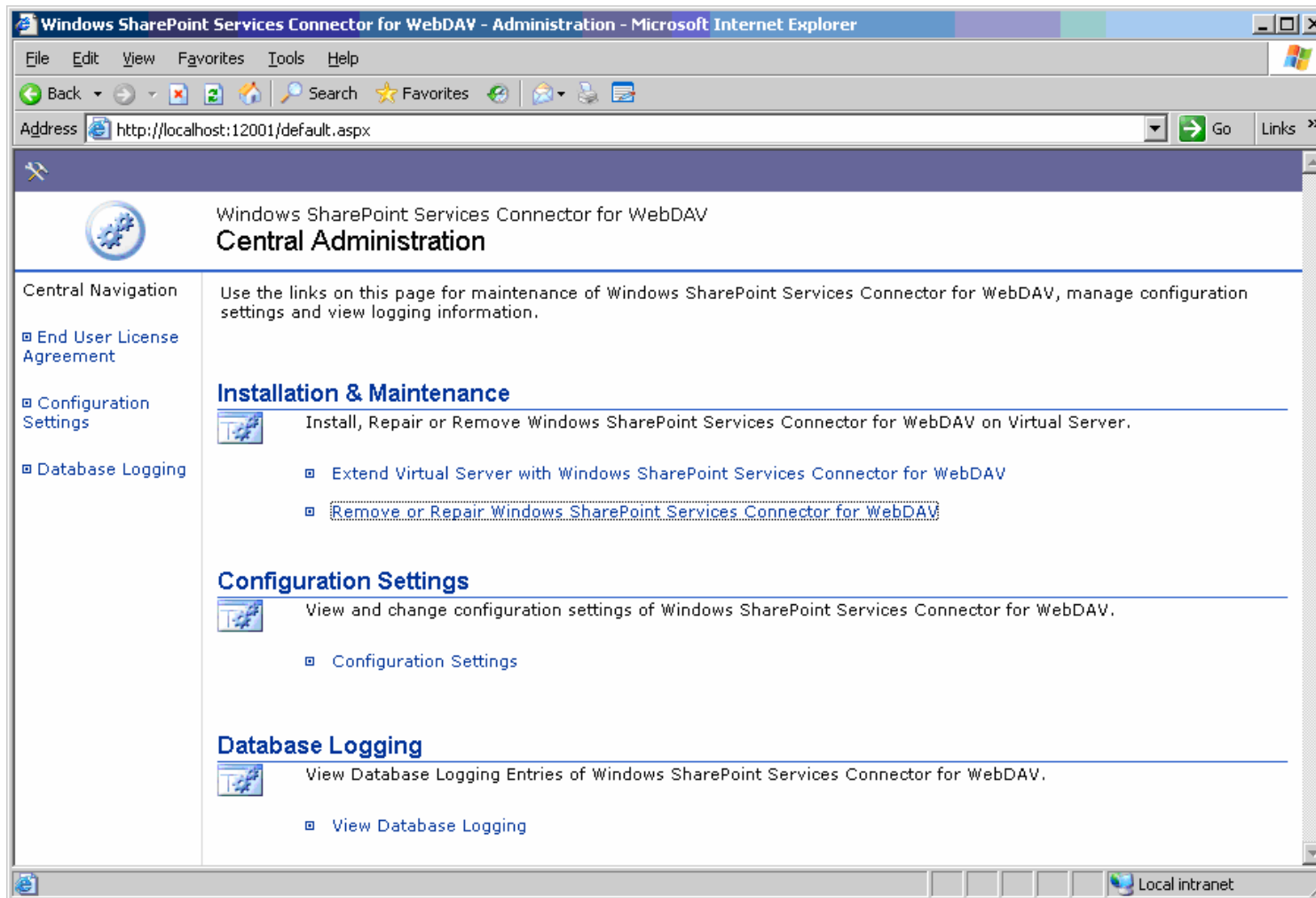
Done Local intranet





-Demo -

Administering Windows SharePoint Services Connector for WebDAV

Refreshing Configuration



Database Logging



Windows SharePoint Services Connector for WebDAV
View Database Logging

Central Navigation View logging information for Windows SharePoint Services Connector for WebDAV.

End User License Agreement

Administration

Configuration Settings

Filter

Select filter criteria for logging data (SQL-Where clause)
Each criterion is combined by a logical AND.

| Column: | Operator: | Criteria: | Values: |
|------------------|-----------|-----------|------------------|
| [select value] ▼ | = ▼ | | [select value] ▼ |
| [select value] ▼ | = ▼ | | [select value] ▼ |
| [select value] ▼ | = ▼ | | [select value] ▼ |
| [select value] ▼ | = ▼ | | [select value] ▼ |
| [select value] ▼ | = ▼ | | [select value] ▼ |

Page Size: 30


Apply


Clear

Data

| Date | Time | User | Instance | Category | Type | Level | Code | Text | Function | SourceFile | Line |
|------|------|------|----------|----------|------|-------|------|------|----------|------------|------|
| 1 | | | | | | | | | | | |

Configuration Overview





Windows SharePoint Services Connector for WebDAV
Configuration Settings

Central Navigation


▣ End User License Agreement

▣ Administration

▣ Database Logging


View and edit configuration settings for Windows SharePoint Services Connector for WebDAV.

Logging

 Configuration for different logging destinations.


▣ View and edit Logging settings

Filter

 The filter specifies which HTTP requests will be redirected to the handler of Windows SharePoint Services Connector for WebDAV.

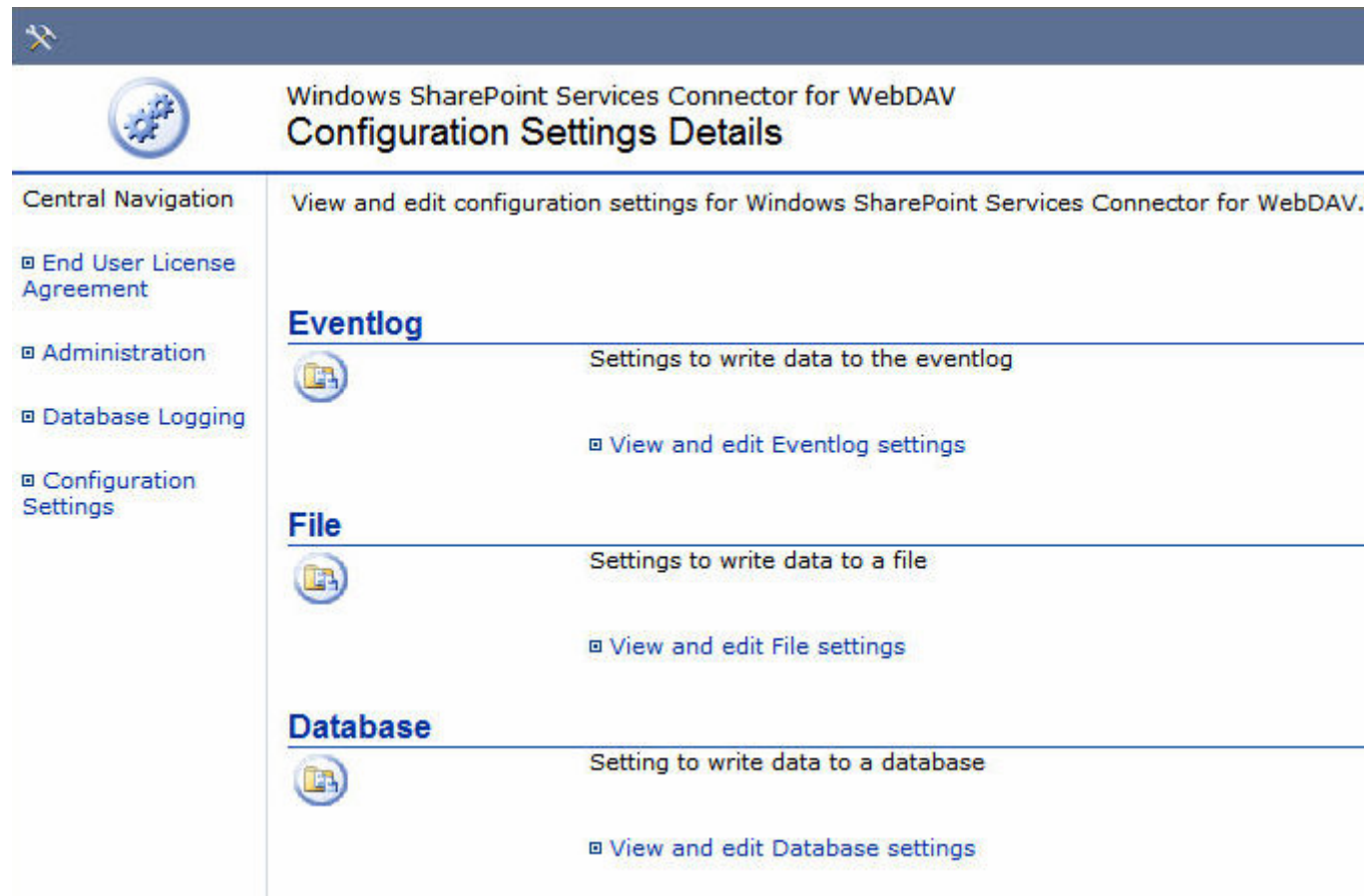
▣ View and edit Filter settings

Handler

 The handler processes the WebDAV requests.

▣ View and edit Handler settings

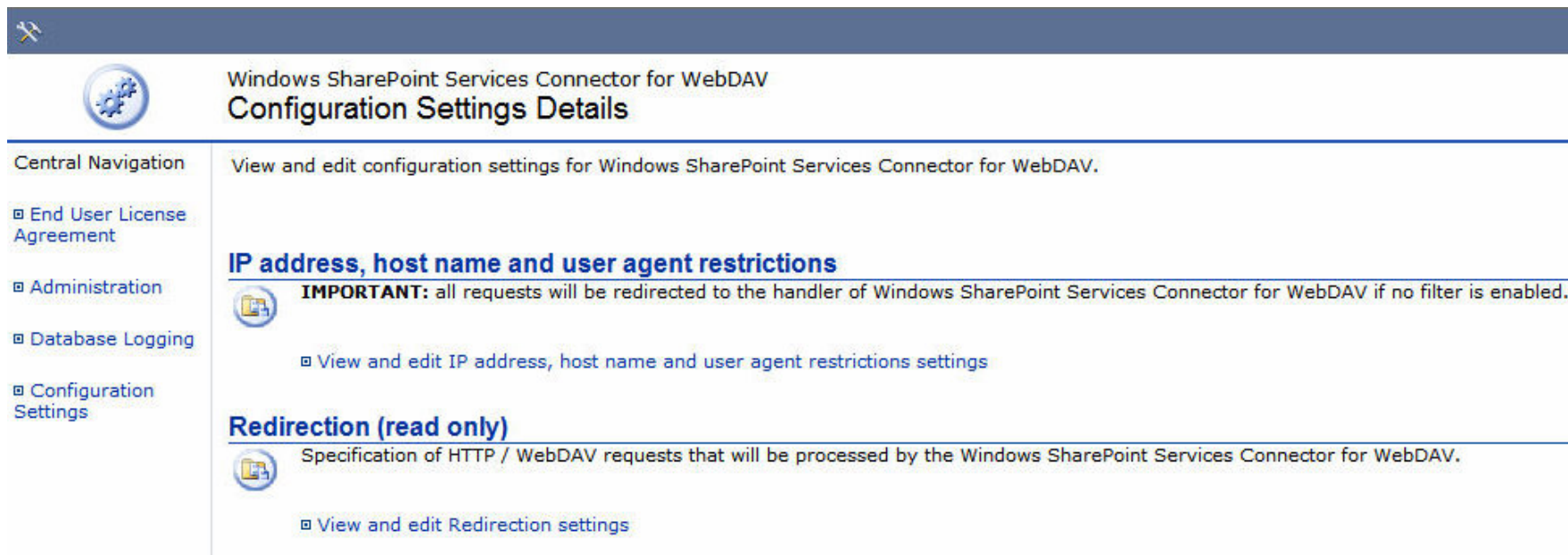
Configuration – Logging



The screenshot displays the 'Configuration Settings Details' page for the 'Windows SharePoint Services Connector for WebDAV'. The page features a central navigation pane on the left with links to 'End User License Agreement', 'Administration', 'Database Logging', and 'Configuration Settings'. The main content area is titled 'View and edit configuration settings for Windows SharePoint Services Connector for WebDAV.' and contains three sections: 'Eventlog', 'File', and 'Database'. Each section includes a description of the settings and a link to 'View and edit' settings.

| Section | Description | Action |
|-----------------|--|---|
| Eventlog | Settings to write data to the eventlog | View and edit Eventlog settings |
| File | Settings to write data to a file | View and edit File settings |
| Database | Setting to write data to a database | View and edit Database settings |

Configuration – Filter



The screenshot shows the 'Configuration Settings Details' page for the 'Windows SharePoint Services Connector for WebDAV'. The page has a dark blue header with a wrench icon. Below the header, there's a left-hand navigation pane with a gear icon and a list of links: 'Central Navigation', 'End User License Agreement', 'Administration', 'Database Logging', and 'Configuration Settings'. The main content area is titled 'View and edit configuration settings for Windows SharePoint Services Connector for WebDAV.' and contains two sections: 'IP address, host name and user agent restrictions' and 'Redirection (read only)'. The first section includes an 'IMPORTANT' note and a link to 'View and edit IP address, host name and user agent restrictions settings'. The second section includes a description of HTTP / WebDAV requests and a link to 'View and edit Redirection settings'.

Windows SharePoint Services Connector for WebDAV
Configuration Settings Details

Central Navigation

- End User License Agreement
- Administration
- Database Logging
- Configuration Settings

View and edit configuration settings for Windows SharePoint Services Connector for WebDAV.

IP address, host name and user agent restrictions

IMPORTANT: all requests will be redirected to the handler of Windows SharePoint Services Connector for WebDAV if no filter is enabled.


- View and edit IP address, host name and user agent restrictions settings


Redirection (read only)

Specification of HTTP / WebDAV requests that will be processed by the Windows SharePoint Services Connector for WebDAV.

- View and edit Redirection settings

Configuration –Client Restrictions 1/2





Windows SharePoint Services Connector for WebDAV
Configuration Settings Details

Central Navigation

End User License Agreement


Administration

Database Logging

Configuration Settings


[Filter]

View and edit configuration settings for Windows SharePoint Services Connector for WebDAV.



Current value: AND


Change value:



Enable IP address filter

Current value: No

Change value: ☐ Yes ☒ No




Remove selected values

☐ 172.16.4.97

☐ 172.16.4.107

Add new value:

Add



Enable host name filter

IMPORTANT:
1) Filtering host names performs a reverse DNS query for their TCP/IP addresses.
2) Enabling this feature on your IIS server can affect the performance of your Web server and DNS servers.
3) This is independent of article KB297795 from the Microsoft Knowledge Base, which has no influence to this feature.
4) Before relying on the address resolving, you should verify it with logging level 3 in the eventlog for the filter logging entries.

Current value: No

Change value: ☐ Yes ☒ No

Microsoft

Configuration –Client Restrictions 2/2

Host names



 Remove selected values


☐ sapep.comma-soft.com

☐ sapep

Add new value:

Enable user agent (browser) filter



 Current value: No

Change value: ☐ Yes ☒ No

User agents (browsers)



 Remove selected values

☐ SAP CM WebDAV Repository 1.1

☐ Mozilla/4.0 (compatible; MSIE 6.0; Windows NT 5.1; .NET CLR 1.1.4322)

☐ Mozilla/4.0 (compatible; MSIE 6.0; Windows NT 5.2; .NET CLR 1.1.4322)

Add new value:

OK

Cancel

Configuration –Handler Overview



The screenshot displays the configuration interface for the Windows SharePoint Services Connector for WebDAV. The page is titled "Configuration Settings Details" and includes a central navigation pane on the left. The main content area is divided into sections for Headers, Properties, Versioning, and Advanced options, each with a description and a link to view or edit settings.

Windows SharePoint Services Connector for WebDAV
Configuration Settings Details

Central Navigation

- End User License Agreement
- Administration
- Database Logging
- Configuration Settings

View and edit configuration settings for Windows SharePoint Services Connector for WebDAV.

Headers

Settings for handling of several HTTP headers.

- View and edit Headers settings

Properties

Settings for support of several property sets.

- View and edit Properties settings

Versioning

Settings for several versioning options.


- View and edit Versioning settings


Advanced options

Miscellaneous settings for the handler.

- View and edit Advanced options settings

Sample configuration page 1/2



**Windows SharePoint Services Connector for WebDAV**
Configuration Settings Details

Central Navigation

End User License Agreement

Administration


Database Logging

Configuration Settings


[Handler]

View and edit configuration settings for Windows SharePoint Services Connector for WebDAV.

Support additional collection properties




Support additional WebDAV collection properties described in 'draft-hopmann-collection-props-00.txt'.


Current value: Yes

Change value: ☒ Yes ☐ No

Support include extension for PROPFIND/allprop requests




Support of including additional properties in WebDAV PROPFIND/allprop requests as described in 'draft-reschke-webdav-allprop-include-06.txt'. This feature can be used by the collaborating WebDAV client to reduce the number of PROPFIND requests significantly.


Current value: Yes

Change value: ☒ Yes ☐ No

Support replication properties




Support properties from Microsoft's replication namespace.


Current value: Yes

Change value: ☒ Yes ☐ No

Use web title as display name for their root folders




A root folder of a web has an empty name. Therefore, the title of its web can be used as display name.


Current value: No

Change value: ☐ Yes ☒ No

Placeholder for empty property values



Properties which do not belong to the DAV namespace and have empty values can also use this value to indicate that its value should be empty. This is useful for client applications which can not handle properties with empty values and expect them not to exist in this situation.

Current value: #EMPTY#

Change value:

Sample configuration page 2/2

Property flags



Support of property flags / attributes to indicate if property values are protected / read-only or hidden.

[View and edit Property flags settings](#)

SharePoint properties



Usage of columns from SharePoint document libraries.

[View and edit SharePoint properties settings](#)

Document library properties



Properties for enhanced handling of document libraries.

[View and edit Document library properties settings](#)

Integration properties



Properties for enhanced integration scenarios.

[View and edit Integration properties settings](#)

Office properties



Usage of properties from Microsoft's office namespace.

[View and edit Office properties settings](#)

WebDAV element mapping



Mapping of specific WebDAV elements to columns from SharePoint document libraries.

[View and edit WebDAV element mapping settings](#)

Ghost properties



Ghost properties can be modified for files or folders but their values will not be stored and they always return a constant value. This feature enhances compatibility to WebDAV clients which include several properties in PROPPATCH requests which can not be stored in SharePoint and are not essential so they can be ignored. Otherwise the whole PROPPATCH request would fail because of these properties. On setting a property which does not belong to the DAV namespace, it will be checked first, if this property is configured as a ghost property.

[View and edit Ghost properties settings](#)

OK

Cancel





-Demo – Configuration in SAP Enterprise Portal

Creation of WebDAV Repository Manager

The screenshot displays the Microsoft Content Management System (CMS) interface. At the top, there are navigation tabs for 'Content Administration', 'User Administration', and 'System Administration'. Below these, a secondary navigation bar includes links for 'Transport', 'Monitoring', 'Permissions', 'System Configuration', 'Portal Display', 'Support', 'Global Portal', 'Distributed Query Engine', and 'Navigation'. The main content area is titled 'Content Management' and features a 'History' link, 'Back', and 'Forward' buttons. On the left side, there is a 'Detailed Navigation' pane with a tree view showing the following structure:

- System Landscape
 - System Landscape Overview
 - Keystore Administration
 - UM Configuration
 - Service Configuration
 - Knowledge Management
 - Content Management**
 - Collaboration
 - Index Administration
 - Universal Worklist & Workflow
 - Web Dynpro Console

Below the navigation pane, there are sections for 'Related Links' (Repositories, Component Monitor, CM Repository Reports) and 'Portal Favorites' (KM-Content). The main content area on the right is titled 'Content Management' and includes a 'Topic Area' section with links to 'Configuration', 'Content Management', 'Form-Based Publishing', 'Global Services', 'Protocols', 'Repository Filters', 'Repository Managers', 'Repository Services', 'User Interface', and 'Utilities'. The 'Content Management' section also includes a 'Subareas' list with descriptions for each:

- Form-Based Publishing**: Settings for form-based publishing applications
- Global Services**: Provide functionality for all repositories
- Protocols**: Used for accessing content and metadata
- Repository Filters**: Manipulate the content, properties, and presentation of documents
- Repository Managers**: Provide uniform access to internal and external data sources
- Repository Services**: Provide functionality for individual repositories

Creation of HTTP system

The screenshot displays the Microsoft Dynamics CRM System Administration interface. The top navigation bar includes tabs for Content Administration, User Administration, and System Administration. The System Administration tab is active, showing a sub-navigation bar with links to Transport, Monitoring, Permissions, System Configuration, Portal Display, Support, Global Portal, Distributed Query Engine, and Navigation. The main content area is titled 'Content Management' and features a left-hand navigation pane with a 'Detailed Navigation' tree. This tree includes sections for System Landscape, Knowledge Management (with 'Content Management' selected), and Universal Worklist & Workflow. Below the navigation pane are sections for 'Related Links' (Repositories, Component Monitor, CM Repository Reports) and 'Portal Favorites' (KM-Content). The main content area on the right is titled 'Content Management' and contains a 'Topic Area' section with links to Configuration, Content Management, and Global Services. The 'Global Services' section is expanded, showing a warning about invalid areas and a list of subareas: Crawler Parameters, Network Paths, Property Metadata, Property Structures, Resource Filters, Resource List Filters, Resource Types, Scheduler Tasks, and System Landscape Definitions. Each subarea has a brief description of its function.

Content Administration | User Administration | **System Administration**

Transport | Monitoring | Permissions | **System Configuration** | Portal Display | Support | Global Portal | Distributed Query Engine | Navigation

Content Management | History | Back | Forward

Detailed Navigation

- System Landscape
- System Landscape Overview
- Keystore Administration
- UM Configuration
- Service Configuration
- Knowledge Management
 - Content Management**
 - Collaboration
 - Index Administration
- Universal Worklist & Workflow
 - Web Dynpro Console

Related Links

- Repositories
- Component Monitor
- CM Repository Reports

Portal Favorites

- KM-Content

Content Management

Actions | History | Mode | Help

Topic Area:

- [Configuration](#)
- [Content Management](#)
- [Global Services](#)

Subareas

- [Crawler Parameters](#)
- [Network Paths](#)
- [Property Metadata](#)
- [Property Structures](#)
- [Resource Filters](#)
- [Resource List Filters](#)
- [Resource Types](#)
- [Scheduler Tasks](#)
- [System Landscape Definitions](#)
- [UserPhoto](#)

Global Services [Show Advanced Options](#)

Global services provide a variety of generic functions to be used with any repository. Since they offer ready-to-use functionality, there is generally no need to change their configuration settings.

Subareas

- [Crawler Parameters](#)
Crawlers Parameters
- [Network Paths](#)
Paths that are mounted by the Mount Service
- [Property Metadata](#)
Property definitions
- [Property Structures](#)
Structure information for displaying properties
- [Resource Filters](#)
Resource Filters filter resources
- [Resource List Filters](#)
Mappings of filters (Java classes) to alias names
- [Resource Types](#)
Properties such as descriptions and icons for resource types
- [Scheduler Tasks](#)
Scheduler tasks for the scheduler service
- [System Landscape Definitions](#)
Systems and Credentials

Creation of HTTP system

The screenshot displays the Microsoft Dynamics CRM System Administration interface. The top navigation bar includes tabs for Content Administration, User Administration, and System Administration. Below this, a secondary navigation bar lists various system components: Transport, Monitoring, Permissions, System Configuration, Portal Display, Support, Global Portal, Distributed Query Engine, and Navigation. The main content area is titled 'Content Management' and features a left-hand navigation pane with sections for Detailed Navigation, Related Links, and Portal Favorites. The Detailed Navigation section is expanded, showing a tree structure under 'Knowledge Management' with 'Content Management' selected. The main pane displays 'System Landscape Definitions' with a breadcrumb trail: Configuration > Content Management > Global Services > System > Landscape Definitions. The page also shows a 'Subareas' section with a link to 'Systems'.

Content Administration | User Administration | **System Administration**

Transport | Monitoring | Permissions | System Configuration | Portal Display | Support | Global Portal | Distributed Query Engine | Navigation

Content Management | History | Back

Detailed Navigation

- System Landscape
- System Landscape Overview
- Keystore Administration
- UM Configuration
- Service Configuration
- Knowledge Management
 - Content Management**
 - Collaboration
 - Index Administration
- Universal Worklist & Workflow
 - Web Dynpro Console

Related Links

- Repositories
- Component Monitor
- CM Repository Reports

Portal Favorites

- KM-Content

Content Management

Actions | History | Mode | Help

Topic Area:
[Configuration](#)
↳ [Content Management](#)
 ↳ [Global Services](#)
 ↳ [System](#)
 ↳ [Landscape Definitions](#)

Subareas
[Systems](#)

System Landscape Definitions
System Landscape Definitions - Systems and Credentials

Subareas
[Systems](#)

Creation of HTTP system

The screenshot displays the Microsoft Dynamics CRM System Administration interface. The top navigation bar includes tabs for Content Administration, User Administration, and System Administration. The System Administration tab is active, showing a sub-menu with Transport, Monitoring, Permissions, System Configuration, Portal Display, Support, Global Portal, Distributed Query Engine, and Navigation. The main content area is titled 'Content Management' and includes a 'History' link and a 'Back' button. On the left, a 'Detailed Navigation' pane shows a tree structure with 'Content Management' selected under 'Knowledge Management'. The 'Related Links' pane at the bottom left lists 'Repositories', 'Component Monitor', and 'CM Repository Reports'. The main content area shows a 'Topic Area' with a breadcrumb trail: Configuration > Content Management > Global Services > System > Landscape > Definitions > Systems. Below this, a 'Topics' list includes 'Content Management System (4)', 'Default Proxy System (1)', 'HTTP System (5)', and 'Windows System (1)'. The right side of the main content area shows 'Systems' with a 'Show Advanced Options' link, followed by 'System Landscape Definitions - Systems' and a 'Topics' list with 'Content Management System', 'Default Proxy System', 'HTTP System', and 'Windows System'.

Content Administration | User Administration | **System Administration**

Transport | Monitoring | Permissions | **System Configuration** | Portal Display | Support | Global Portal | Distributed Query Engine | Navigation

Content Management | History | Back

Detailed Navigation

- System Landscape
- System Landscape Overview
- Keystore Administration
- UM Configuration
- Service Configuration
- Knowledge Management
 - Content Management**
 - Collaboration
 - Index Administration
- Universal Worklist & Workflow
 - Web Dynpro Console

Related Links

- Repositories
- Component Monitor
- CM Repository Reports

Content Management

Actions | History | Mode | Help

Topic Area:

[Configuration](#)

↳ [Content Management](#)

↳ [Global Services](#)

↳ [System](#)

↳ [Landscape](#)

↳ [Definitions](#)

↳ [Systems](#)

Topics

[Content Management System \(4\)](#)

[Default Proxy System \(1\)](#)

[HTTP System \(5\)](#)

[Windows System \(1\)](#)

Systems [Show Advanced Options](#)

System Landscape Definitions - Systems

Topics

[Content Management System](#)

[Default Proxy System](#)

[HTTP System](#)

[Windows System](#)

Creation of HTTP system

The screenshot displays the Microsoft Management Console (MMC) interface for 'Content Management'. The left-hand 'Tree View' shows the hierarchy: **Content Management** > **Knowledge Management** > **Content Management**. The right-hand 'Details View' shows the 'HTTP System' configuration page. This page includes a description of the system and a table for managing HTTP systems.

Topic Area:
[Configuration](#)
↳ [Content Management](#)
 ↳ [Global Services](#)
 ↳ [System](#)
 ↳ [Landscape](#)
 ↳ [Definitions](#)
 ↳ [Systems](#)

Topics
[Content Management System \(4\)](#)
[Default Proxy System \(1\)](#)
[HTTP System \(5\)](#)
[Windows System \(1\)](#)

HTTP System
On this page you define systems you want to access through Web repository managers or systems used by Web repository managers. If the system operates with the same user domain authentication for the portal will then be forwarded to the HTTP system. If the same document names for the server in URL form. If you enter username/password, all requests are made user mapping function of the portal will be used per individual user.

| | System ID | Description | Same User Domain | Max Connections |
|--------------------------|------------------------------------|-------------|------------------|-----------------|
| <input type="checkbox"/> | swcdev | | | |
| <input type="checkbox"/> | swcdev-1080 | | | |
| <input type="checkbox"/> | swcdev-UserMapping | | | |
| <input type="checkbox"/> | swcger | | | |
| <input type="checkbox"/> | swcref | | | |

Buttons: New, Duplicate, Edit, View, Delete

Creation of HTTP system

New "HTTP System"

| | |
|--------------------|--------------------------|
| System ID * | swcdev |
| Description | |
| Same User Domain + | <input type="checkbox"/> |
| Max Connections + | 0 |
| Password + | |
| Re-Enter Password | |
| Server Aliases + | |
| Server URL * | http://myServer |
| User + | Administrator |

[Hide Advanced Options](#) (+ denotes advanced options)

Creation of WebDAV Repository Manager

The screenshot displays the Microsoft Content Management System (CMS) interface. At the top, there are tabs for 'Content Administration', 'User Administration', and 'System Administration'. Below these, a navigation bar includes links for 'Transport', 'Monitoring', 'Permissions', 'System Configuration', 'Portal Display', 'Support', 'Global Portal', 'Distributed Query Engine', and 'Navigation'. The main content area is titled 'Content Management' and includes a 'History' link, 'Back', and 'Forward' buttons. On the left, a 'Detailed Navigation' pane lists various system components, with 'Content Management' highlighted under 'Knowledge Management'. Below this, 'Related Links' and 'Portal Favorites' are shown. The main content area on the right, titled 'Content Management', provides an overview of the configuration and lists subareas: 'Form-Based Publishing', 'Global Services', 'Protocols', 'Repository Filters', 'Repository Managers', 'Repository Services', 'User Interface', and 'Utilities'. Each subarea has a brief description of its functionality.

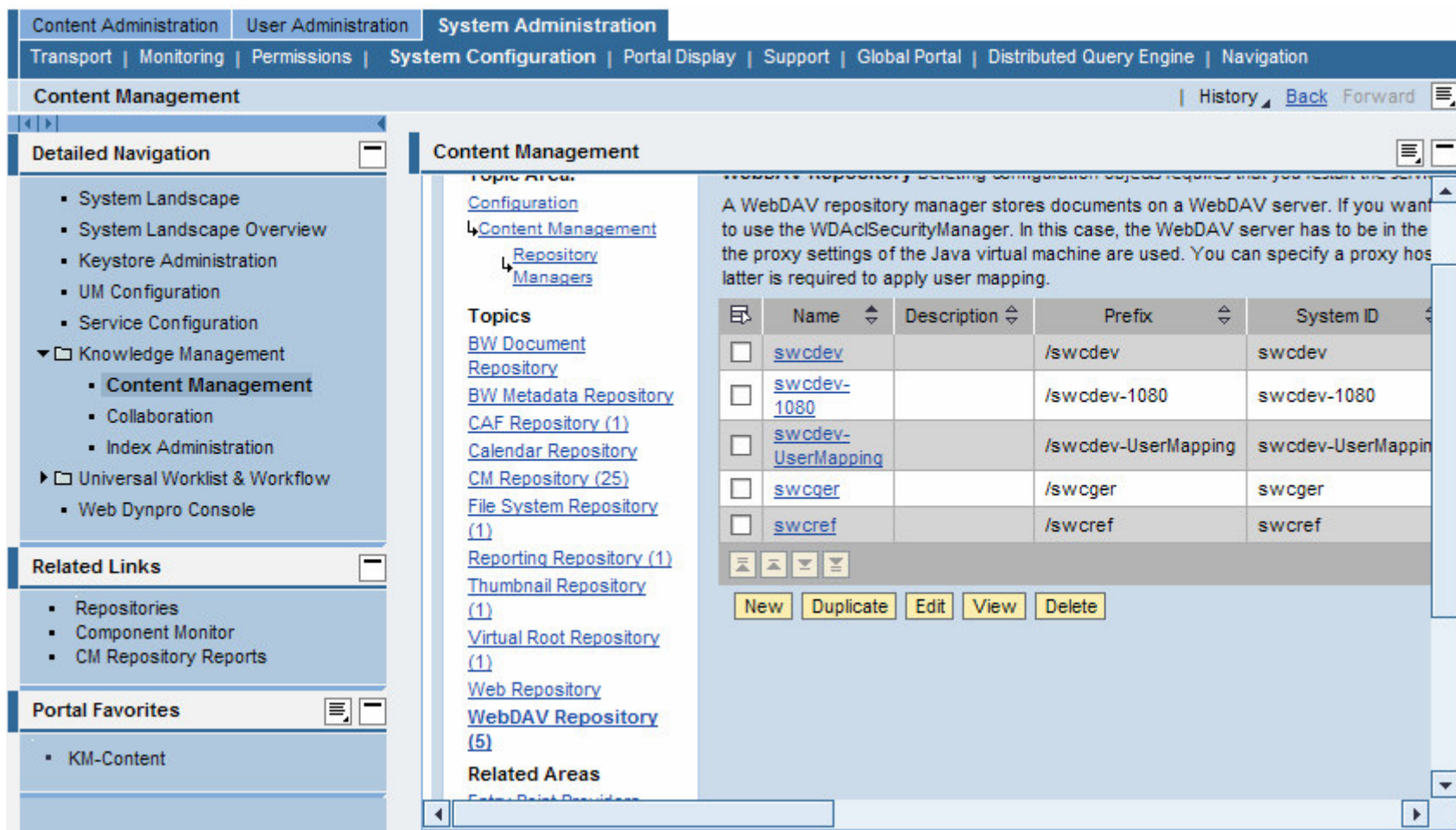
Content Management

The configuration of Content Management includes several areas. You can connect to different data sources using repository managers, set up various services and filters, and customize the user interface.

Subareas

- [Form-Based Publishing](#)
Settings for form-based publishing applications
- [Global Services](#)
Provide functionality for all repositories
- [Protocols](#)
Used for accessing content and metadata
- [Repository Filters](#)
Manipulate the content, properties, and presentation of documents
- [Repository Managers](#)
Provide uniform access to internal and external data sources
- [Repository Services](#)
Provide functionality for individual repositories

Creation of WebDAV Repository Manager



The screenshot displays the 'WebDAV Repository Manager' interface. The top navigation bar includes tabs for 'Content Administration', 'User Administration', and 'System Administration'. Below this, a secondary bar lists various system functions like 'Transport', 'Monitoring', 'Permissions', 'System Configuration', 'Portal Display', 'Support', 'Global Portal', 'Distributed Query Engine', and 'Navigation'. The main content area is titled 'Content Management' and features a 'Detailed Navigation' sidebar on the left. This sidebar lists categories such as 'System Landscape', 'Keystore Administration', 'UM Configuration', 'Service Configuration', 'Knowledge Management' (with 'Content Management' selected), and 'Universal Worklist & Workflow'. The 'Content Management' section itself is divided into 'Topics' and 'Related Areas'. The 'Topics' list includes links to 'Configuration', 'Content Management', 'Repository Managers', 'BW Document Repository', 'BW Metadata Repository', 'CAF Repository (1)', 'Calendar Repository', 'CM Repository (25)', 'File System Repository (1)', 'Reporting Repository (1)', 'Thumbnail Repository (1)', 'Virtual Root Repository (1)', 'Web Repository', and 'WebDAV Repository (5)'. The 'Related Areas' section is partially visible. The main content area on the right provides a detailed view of the 'WebDAV Repository Manager'. It includes a descriptive paragraph: 'A WebDAV repository manager stores documents on a WebDAV server. If you want to use the WDAclSecurityManager. In this case, the WebDAV server has to be in the the proxy settings of the Java virtual machine are used. You can specify a proxy host latter is required to apply user mapping.' Below this text is a table listing the configured repositories.

| | Name | Description | Prefix | System ID |
|--------------------------|------------------------------------|-------------|---------------------|--------------------|
| <input type="checkbox"/> | swcdev | | /swcdev | swcdev |
| <input type="checkbox"/> | swcdev-1080 | | /swcdev-1080 | swcdev-1080 |
| <input type="checkbox"/> | swcdev-UserMapping | | /swcdev-UserMapping | swcdev-UserMapping |
| <input type="checkbox"/> | swcger | | /swcger | swcger |
| <input type="checkbox"/> | swcref | | /swcref | swcref |

Below the table, there are navigation icons (back, forward, search, etc.) and a set of action buttons: 'New', 'Duplicate', 'Edit', 'View', and 'Delete'.

Creation of WebDAV Repository Manager

New "WebDAV Repository"

Name *

Description

Prefix (must start with /) *

Active ☒

Hide in Root Folder ☐

System ID (Landscape Service) *

System Path

Use System Default Proxy Settings ☐

Proxy System ID (Landscape Service)

Proxy Host

Proxy Port

Repository Services ☐

| | Name |
|--------------------------|-----------------------------------|
| <input type="checkbox"/> | accessstatistic |
| <input type="checkbox"/> | comment |
| <input type="checkbox"/> | discussion |
| <input type="checkbox"/> | discussion_secure |
| <input type="checkbox"/> | discussion_simple |
| <input type="checkbox"/> | feedback |
| <input type="checkbox"/> | layout |
| <input type="checkbox"/> | personalnote |

Page 1 / 3

Property Search Manager

Versioning Manager

Security Manager

ACL Manager Cache

Read-only ACLs ☐

Send Events ☒

Cache *

Cache Timeout + milliseconds

HTTP Timeout + milliseconds (0=no timeout)

Server Type *

[Hide Advanced Options](#) (+ denotes advanced options)

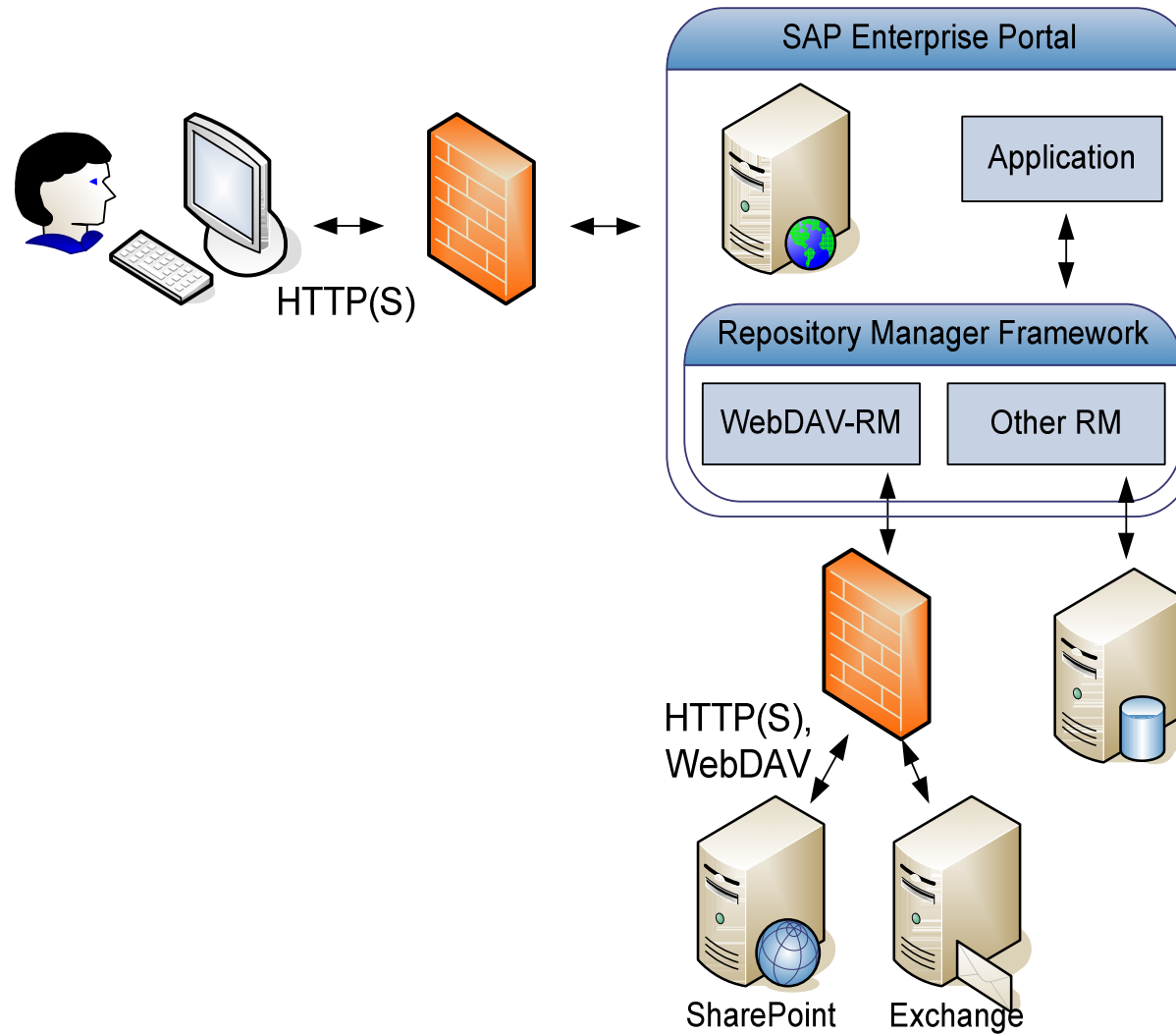


-Demo -

Integration of Windows SharePoint Services into SAP Enterprise Portal

Microsoft

Demo-Scenario



Integration – SAP EP Logon

Willkommen

Neu hier? [Jetzt registrieren...](#)

Benutzerkennung *

Kennwort *

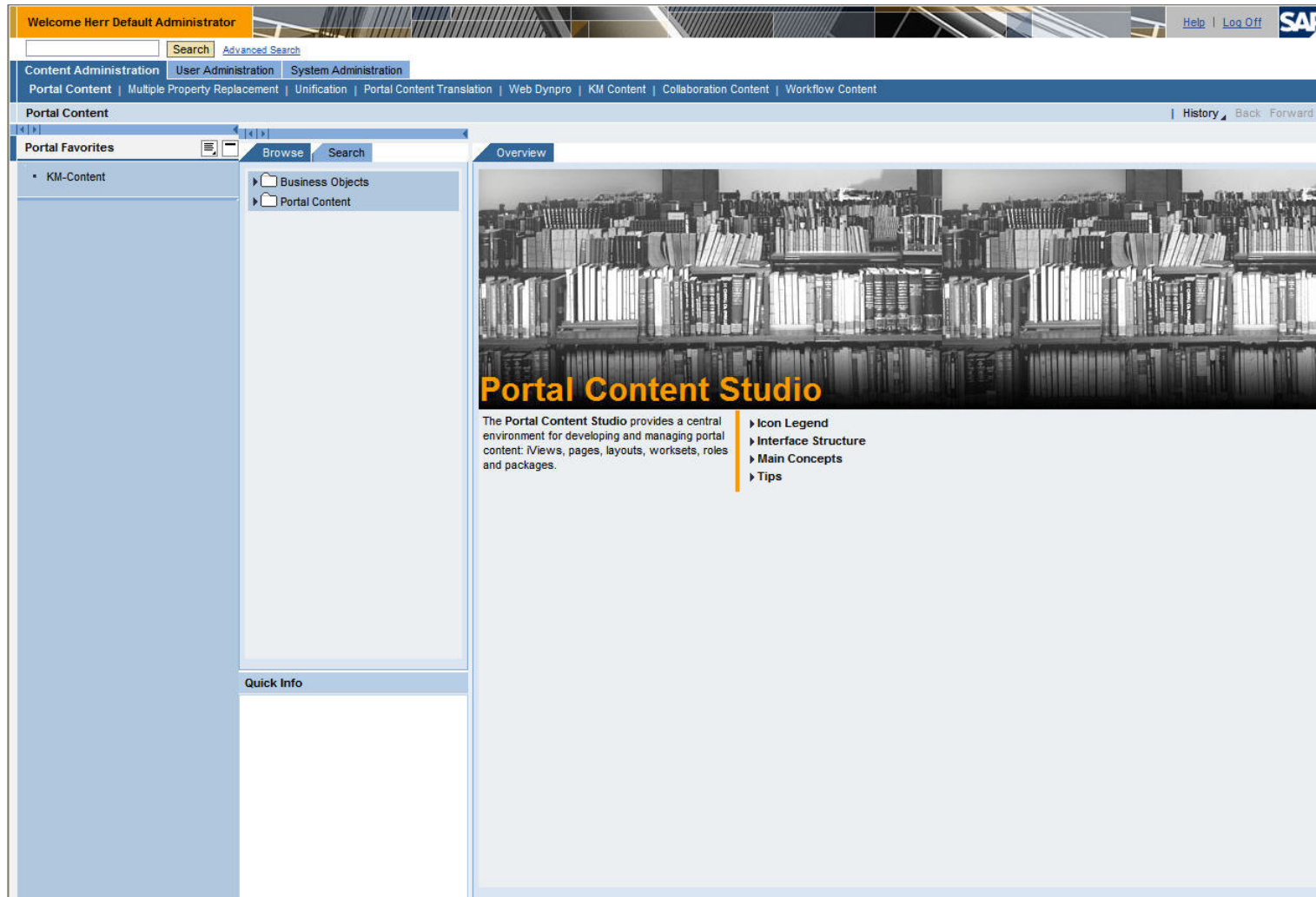
Probleme bei der Anmeldung? [Support](#)



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Integration – Welcome Screen



Integration – KM Content Tree

Welcome Herr Default Administrator

Search Advanced Search

Content Administration User Administration System Administration

Portal Content | Multiple Property Replacement | Unification | Portal Content Translation | Web Dynpro | **KM Content** | Collaboration Content | Workflow Content

KM Content

Detailed Navigation

- KM Content
 - Toolbox

Portal Favorites

- KM-Content

View Go To

root

- ▾ root
 - ~system
 - Bluserhome
 - cm
 - cmdb
 - cmdbfs
 - cmfs
 - discussiongroups
 - documents
 - Entry Points
 - etc
 - grouphome
 - ice
 - Reporting
 - rolehome
 - room_extensions
 - room_publicarea_structures
 - room_store_cm
 - room_structures
 - rooms
 - runtime
 - swcdev
 - swcdev-1080
 - swcdev-UserMapping
 - swcwf
 - Taxonomies
 - ume
 - userhome
 - workflow
 - www

| Name | Size | Modified | Modified By |
|---|------|----------------------|-----------------|
| <input type="checkbox"/> ~system | | 9/29/05 2:07:44 PM | cmadmin_service |
| <input type="checkbox"/> Bluserhome | | 9/29/05 2:07:41 PM | |
| <input type="checkbox"/> cm | | 11/29/05 12:49:44 PM | |
| <input type="checkbox"/> cmdb | | 11/29/05 12:49:37 PM | |
| <input type="checkbox"/> cmdbfs | | 11/29/05 12:49:44 PM | |
| <input type="checkbox"/> cmfs | | 2/5/06 9:19:24 AM | |
| <input type="checkbox"/> discussiongroups | | 9/29/05 2:07:41 PM | |
| <input type="checkbox"/> documents | | 9/30/05 2:35:50 PM | admin_admin |
| <input type="checkbox"/> Entry Points | | | |
| <input type="checkbox"/> etc | | 11/28/05 5:26:14 AM | |
| <input type="checkbox"/> grouphome | | 9/29/05 2:07:42 PM | |
| <input type="checkbox"/> ice | | 5/4/06 10:42:30 AM | |
| <input type="checkbox"/> Reporting | | 11/29/05 12:49:49 PM | cmadmin_service |
| <input type="checkbox"/> rolehome | | 9/29/05 2:07:44 PM | |
| <input type="checkbox"/> room_extensions | | 9/29/05 2:07:41 PM | |
| <input type="checkbox"/> room_publicarea_structures | | 9/29/05 2:07:41 PM | |
| <input type="checkbox"/> room_store_cm | | 9/29/05 2:07:44 PM | |
| <input type="checkbox"/> room_structures | | 9/29/05 2:07:41 PM | |
| <input type="checkbox"/> rooms | | 9/29/05 2:07:41 PM | |
| <input type="checkbox"/> runtime | | | |

1-20 21-29 > >> / 29

Integration – Overview of SWCREF

Welcome Herr Default Administrator

Search [Advanced Search](#)

Content Administration | **User Administration** | **System Administration**

[Portal Content](#) | [Multiple Property Replacement](#) | [Unification](#) | [Portal Content Translation](#) | [Web Dynpro](#) | **[KM Content](#)** | [Collaboration Content](#) | [Workflow Content](#)

KM Content

Detailed Navigation

- **KM Content**
 - ▶ [Toolbox](#)

Portal Favorites

- [KM-Content](#)

View **Folder** **Selection** **Go To**

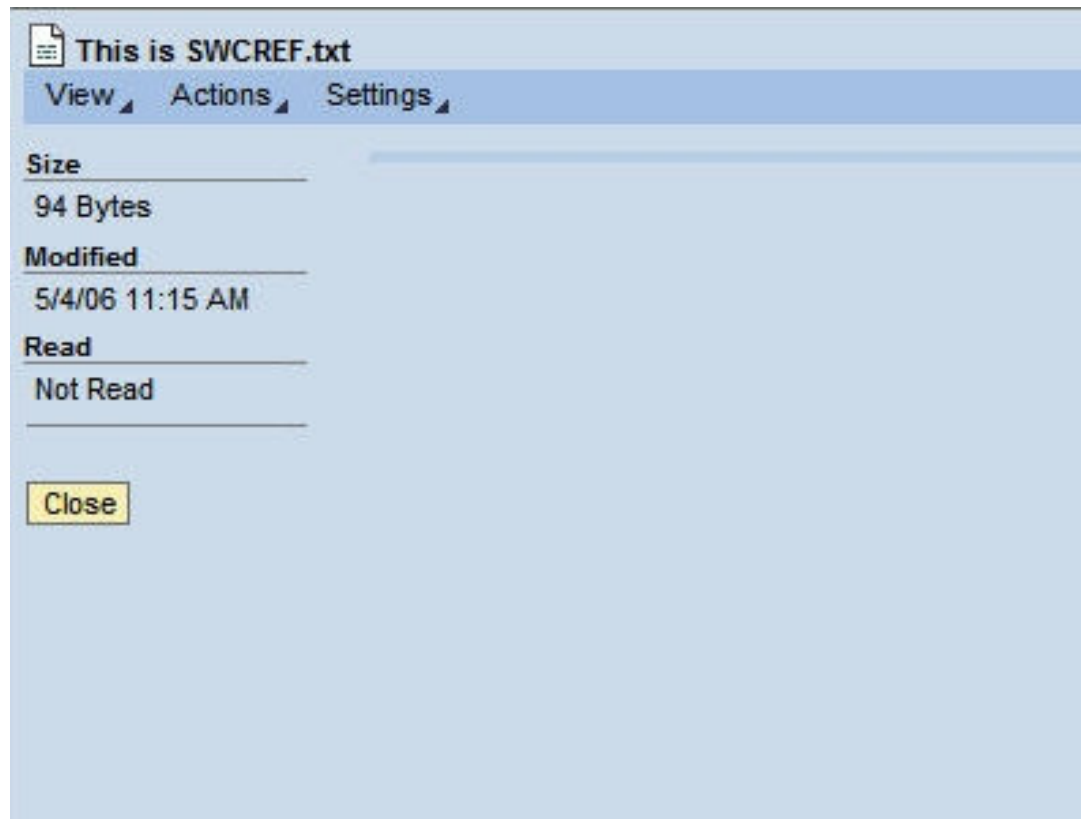
[root](#) > [swcref](#) > [Shared Documents](#)

root

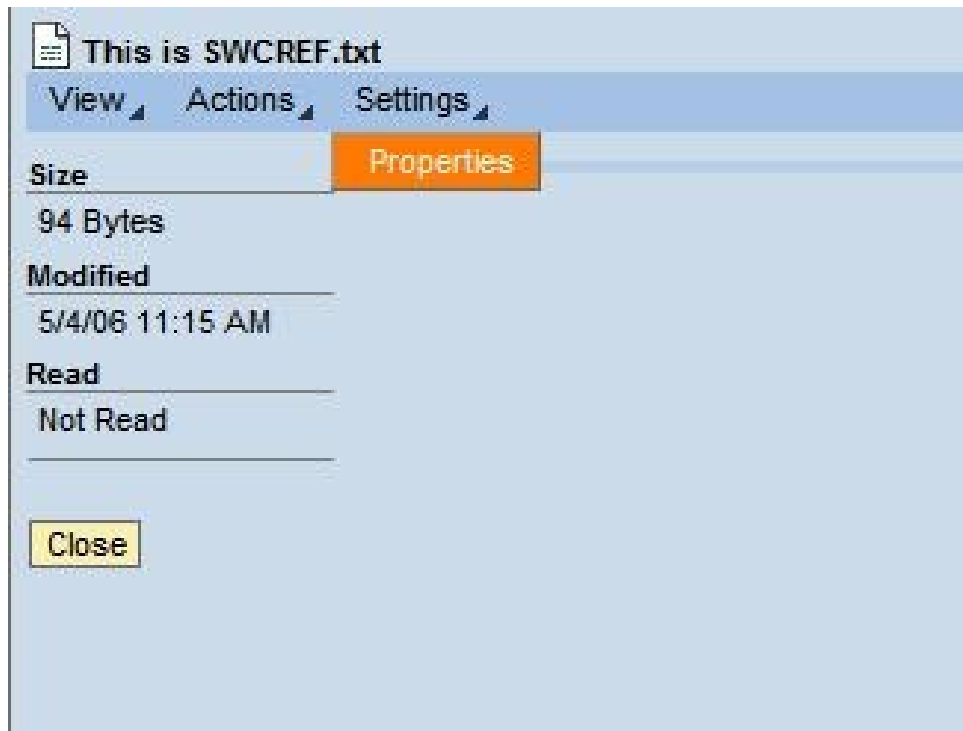
- ▶ [~system](#)
- ▶ [Bluserhome](#)
- ▶ [cm](#)
- ▶ [cmdb](#)
- ▶ [cmdbfs](#)
- ▶ [cmfs](#)
- ▶ [discussiongroups](#)
- ▶ [documents](#)
- ▶ [Entry Points](#)
- ▶ [etc](#)
- ▶ [grouphome](#)
- ▶ [ice](#)
- ▶ [Reporting](#)
- ▶ [rolehome](#)
- ▶ [room_extensions](#)
- ▶ [room_publicarea_structures](#)
- ▶ [room_store_cm](#)

| Name | Size | Modified | Modified By |
|------------------------------------|-----------|---------------------|-------------|
| Folder1 | | 9/1/05 8:42:58 PM | |
| Folder2 | | 9/1/05 8:42:58 PM | |
| Folder3 | | 9/1/05 8:42:58 PM | |
| Forms | | 8/29/05 11:59:45 PM | |
| 1.txt | 197 Bytes | 9/1/05 8:43:00 PM | |
| 10.txt | 198 Bytes | 9/1/05 8:43:01 PM | |
| 11.txt | 198 Bytes | 9/1/05 8:43:01 PM | |
| 12.txt | 198 Bytes | 9/1/05 8:43:01 PM | |
| 2.txt | 197 Bytes | 9/1/05 8:43:00 PM | |
| 3.txt | 197 Bytes | 9/1/05 8:43:00 PM | |
| 4.txt | 197 Bytes | 9/1/05 8:43:00 PM | |
| 5.txt | 197 Bytes | 9/1/05 8:43:00 PM | |
| 6.txt | 197 Bytes | 9/1/05 8:43:00 PM | |
| 7.txt | 197 Bytes | 9/1/05 8:43:00 PM | |
| 8.txt | 197 Bytes | 9/1/05 8:43:00 PM | |
| 9.txt | 197 Bytes | 9/1/05 8:43:00 PM | |
| This is SWCREF.txt | 94 Bytes | 5/4/06 11:10:39 AM | |

Integration – Details of Sample Document



Integration – Viewing Properties 1



Integration – Viewing Properties 2

This is SWCREF.txt

View Actions Settings

Size
94 Bytes

Modified
5/4/06 11:15 AM

Read
Not Read

Close

Properties

Name * This is SWCREF.txt

Description

System Custom Miscellaneous Access Links

Size 94 Bytes

Created 5/4/06 11:10:39 AM

Modified 5/4/06 11:15:32 AM

Hidden ☐

Read-Only ☐

Save

Integration – Viewing Properties 3

This is SWCREf.txt

View Actions Settings

Size
94 Bytes

Modified
5/4/06 11:15 AM

Read
Not Read

Close

Properties

Name * This is SWCREf.txt

Description

System Custom Miscellaneous Access Links

There are no custom properties

Name Value Add

Save

Integration – Overview of SWCDEV

Welcome Herr Default Administrator

Search Advanced Search

Content Administration User Administration System Administration

Portal Content | Multiple Property Replacement | Unification | Portal Content Translation | Web Dynpro | **KM Content** | Collaboration Content | Workflow Content

KM Content

Detailed Navigation

- KM Content
 - ▶ Toolbox

Portal Favorites


- KM-Content

View Folder Selection Go To

root > [swcdev](#) > Shared Documents

| | Name | Size | Modified | Modified By |
|--------|--------------------|-----------|--------------------|-------------|
| Folder | Folder1 | | | |
| Folder | Folder2 | | | |
| Folder | Folder3 | | | |
| Folder | Forms | | | |
| File | 1.txt | 199 Bytes | 3/2/06 4:50:37 PM | |
| File | 10.txt | 200 Bytes | 5/4/06 11:12:30 AM | |
| File | 11.txt | 200 Bytes | 3/2/06 4:46:17 PM | |
| File | 12.txt | 199 Bytes | 3/2/06 4:50:36 PM | |
| File | 2.txt | 199 Bytes | 3/2/06 4:46:14 PM | |
| File | 3.txt | 199 Bytes | 3/2/06 4:46:14 PM | |
| File | 4.txt | 199 Bytes | 3/2/06 4:46:14 PM | |
| File | 5.txt | 211 Bytes | 3/6/06 3:59:25 PM | |
| File | 6.txt | 228 Bytes | 3/6/06 4:12:59 PM | |
| File | 7.txt | 199 Bytes | 3/2/06 4:46:15 PM | |
| File | 8.txt | 199 Bytes | 3/2/06 4:46:16 PM | |
| File | 9.txt | 199 Bytes | 3/2/06 4:46:16 PM | |
| File | This is SWCDEV.txt | 90 Bytes | 5/4/06 10:58:47 AM | |

Integration – Details of Sample Document

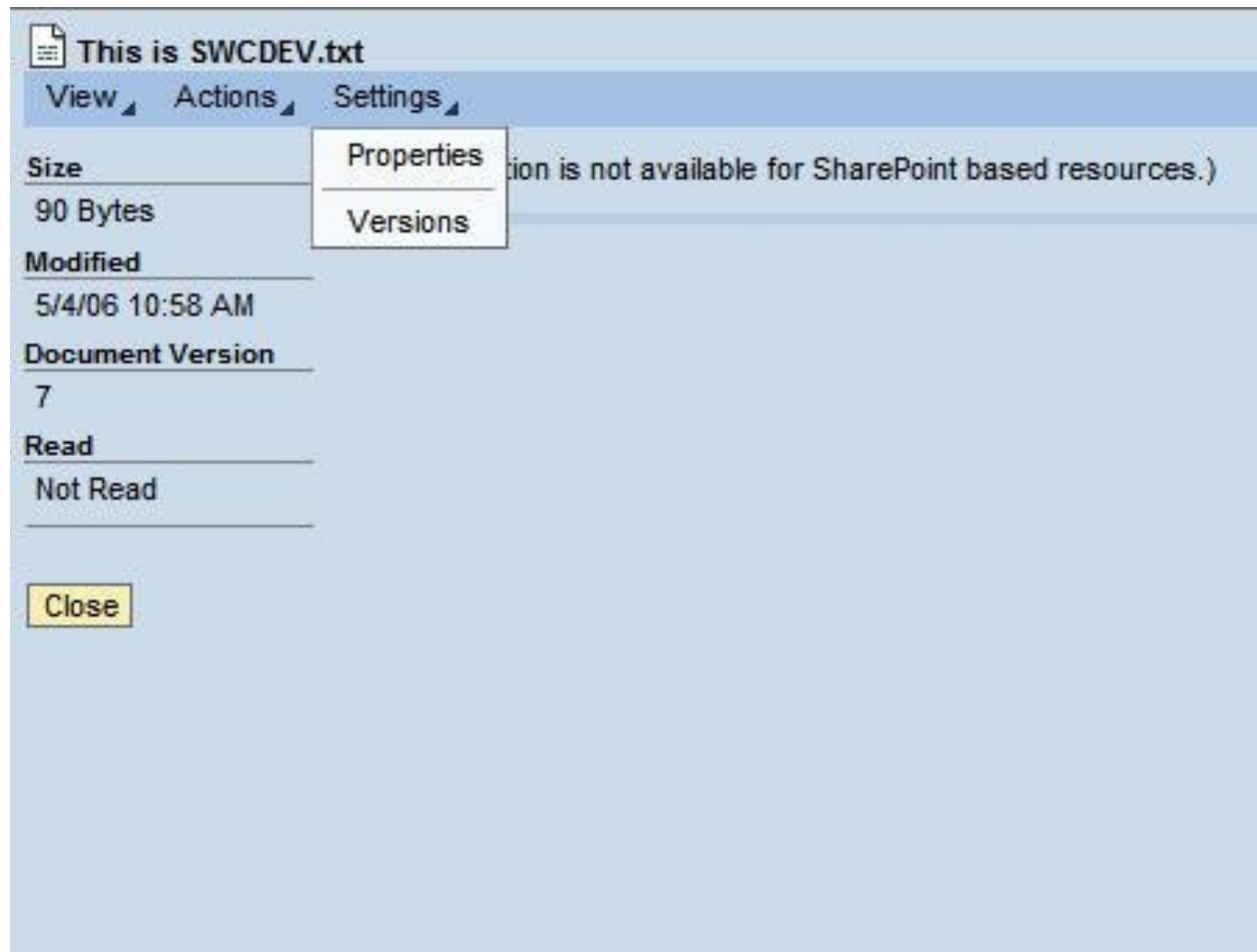
 This is SWCDEV.txt

View ▾ Actions ▾ Settings ▾

| | |
|------------------|--|
| Size | (Description is not available for SharePoint based resources.) |
| 90 Bytes | |
| Modified | |
| 5/4/06 10:58 AM | |
| Document Version | |
| 7 | |
| Read | |
| Not Read | |

Close

Integration – Properties and Versions 1



Integration – Properties and Versions 2

This is SWCDEV.txt

View Actions Settings

Size
90 Bytes

Modified
5/4/06 10:58 AM

Document
Version
7

Read
Not Read

Close

Properties

Name * This is SWCDEV.txt

Description (Description is not available for SharePoint based resources.)

System Custom Miscellaneous Access Links

MIME Type FORTRAN Source File

Size 90 Bytes

Created 5/4/06 10:52:03 AM

Modified 5/4/06 10:58:47 AM

Hidden ☐

Read-Only ☐

Save

Integration – Properties and Versions 3

This is SWCDEV.txt

View Actions Settings

Size
90 Bytes

Modified
5/4/06 10:58 AM

Document
Version
7

Read
Not Read

Close

Properties

Name * This is SWCDEV.txt

Description (Description is not available for SharePoint based resources.)

System Custom Miscellaneous Access Links

| | | |
|--------------------------|---------------------|----------------------|
| <input type="checkbox"/> | Created_x0020_Date | 2006-05-04 10:52:03 |
| <input type="checkbox"/> | LinkFilename | This is SWCDEV.txt |
| <input type="checkbox"/> | Author | SWCDEV\administrator |
| <input type="checkbox"/> | myCustomNumber | 42 |
| <input type="checkbox"/> | myDate | 5/4/2006 12:00:00 AM |
| <input type="checkbox"/> | FileSizeDisplay | 90 |
| <input type="checkbox"/> | ID | 1237 |
| <input type="checkbox"/> | myCustomNumber2 | 42 |
| <input type="checkbox"/> | Last_x0020_Modified | 2006-05-04 10:58:47 |
| <input type="checkbox"/> | LinkFilenameNoMenu | This is SWCDEV.txt |
| <input type="checkbox"/> | DocIcon | txt |
| <input type="checkbox"/> | Editor | SWCDEV\administrator |
| <input type="checkbox"/> | davOwner | Another owner |
| <input type="checkbox"/> | LinkCheckedOutTitle | #EMPTY# |
| <input type="checkbox"/> | Edit | #EMPTY# |
| <input type="checkbox"/> | myCalculatedValue | 84.00000000000000 |
| <input type="checkbox"/> | myCustomProp | Yet another test |

Delete Properties

Name Value Add

Save

Integration – Properties and Versions 4

This is SWCDEV.txt

View Actions Settings

Size

90 Bytes

Modified

5/4/06 10:58 AM

Document Version

7

Read

Not Read

Close

Versions

Each time an item is saved or uploaded to the repository, a new version is stored by the system. You can view older versions or copy an older version to be the new current version.
Start of revision table - 8 rows and 6 columns

| Version | Name | Modified On | Properties |
|----------------------------|------------------------------------|--------------------|----------------------------|
| Current | This is SWCDEV.txt | 5/4/06 10:58:47 AM | Properties |
| <input type="checkbox"/> 6 | This is SWCDEV.txt | 5/4/06 10:53:16 AM | Properties |
| <input type="checkbox"/> 5 | This is SWCDEV.txt | 5/4/06 10:53:02 AM | Properties |
| <input type="checkbox"/> 4 | This is SWCDEV.txt | 5/4/06 10:52:59 AM | Properties |
| <input type="checkbox"/> 3 | This is SWCDEV.txt | 5/4/06 10:52:50 AM | Properties |
| <input type="checkbox"/> 2 | This is SWCDEV.txt | 5/4/06 10:52:21 AM | Properties |
| <input type="checkbox"/> 1 | This is SWCDEV.txt | 5/4/06 10:52:12 AM | Properties |

End of revision table

Duplicate as Current Version

Delete

Integration – Properties and Versions 5

Properties

Name * This is SWCDEV.txt

System Custom Miscellaneous Access Links

| | |
|-------------------------------|------------------|
| dummypropertythatdoesnotexist | Changed value |
| davOwner | TestOwner |
| myCustomProp | Yet another test |

Close

Integration – Copying Documents 1

Welcome Herr Default Administrator

Search [Advanced Search](#)

[Content Administration](#) [User Administration](#) [System Administration](#)

[Portal Content](#) | [Multiple Property Replacement](#) | [Unification](#) | [Portal Content Translation](#) | [Web Dynpro](#) | [KM Content](#) | [Collaboration Content](#) | [Workf](#)

KM Content

Detailed Navigation

- **KM Content**
 - ▶ [Toolbox](#)

Portal Favorites

- [KM-Content](#)

View **Folder** **Selection** **Go To**

[root](#) > [swcdev](#) > [Shared Documents](#)

| | Name | Size | Modified M |
|--------------------------|------------------------------------|-----------|--------------------|
| <input type="checkbox"/> | Folder1 | | |
| <input type="checkbox"/> | Folder2 | | |
| <input type="checkbox"/> | Folder3 | | |
| <input type="checkbox"/> | Forms | | |
| <input type="checkbox"/> | 1.txt | 199 Bytes | 3/2/06 4:50:37 PM |
| <input type="checkbox"/> | 10.txt | 200 Bytes | 5/4/06 11:12:30 AM |
| <input type="checkbox"/> | 11.txt | 200 Bytes | 3/2/06 4:46:17 PM |
| <input type="checkbox"/> | 12.txt | 199 Bytes | 3/2/06 4:50:36 PM |
| <input type="checkbox"/> | 2.txt | 199 Bytes | 3/2/06 4:46:14 PM |
| <input type="checkbox"/> | 3.txt | 199 Bytes | 3/2/06 4:46:14 PM |
| <input type="checkbox"/> | 4.txt | 199 Bytes | 3/2/06 4:46:14 PM |
| <input type="checkbox"/> | 5.txt | 211 Bytes | 3/6/06 3:59:25 PM |
| <input type="checkbox"/> | 6.txt | 228 Bytes | 3/6/06 4:12:59 PM |
| <input type="checkbox"/> | 7.txt | 199 Bytes | 3/2/06 4:46:15 PM |
| <input type="checkbox"/> | 8.txt | 199 Bytes | 3/2/06 4:46:16 PM |
| <input type="checkbox"/> | 9.txt | 199 Bytes | 3/2/06 4:46:16 PM |
| <input type="checkbox"/> | This is SWCDEV.txt | 90 Bytes | 5/4/06 10:58:47 AM |

[Copy...](#)

[Move...](#)

Integration – Copying Documents 2

Welcome Herr Default Administrator

Search [Advanced Search](#)

Content Administration | **User Administration** | **System Administration**

[Portal Content](#) | [Multiple Property Replacement](#) | [Unification](#) | [Portal Content Translation](#) | [Web Dynpro](#) | **KM Content** | [Collaboration Content](#) | [Workflow Content](#)

KM Content

Detailed Navigation

- **KM Content**
 - ▶ [Toolbox](#)

Portal Favorites

- [KM-Content](#)

This is SWCDEV.txt - Copy

Browse to the folder into which you want to copy the item "This is SWCDEV.txt".

[Favorites](#) | [Personal Documents](#) | [Recently Used](#) | [Common folders](#) | [Public Documents](#)

[root](#) > [swcdev](#) > [Shared Documents](#)

| Name | Size | Modified | Modified By |
|-------------------------|-----------|--------------------|-------------|
| Folder1 | | | |
| Folder2 | | | |
| Folder3 | | | |
| Forms | | | |
| 1.txt | 199 Bytes | 3/2/06 4:50:37 PM | |
| 10.txt | 200 Bytes | 5/4/06 11:12:30 AM | |
| 11.txt | 200 Bytes | 3/2/06 4:46:17 PM | |
| 12.txt | 199 Bytes | 3/2/06 4:50:36 PM | |
| 2.txt | 199 Bytes | 3/2/06 4:46:14 PM | |
| 3.txt | 199 Bytes | 3/2/06 4:46:14 PM | |

1-10 11-17 > >> / 17

[OK](#) [Cancel](#)

Microsoft

Integration – Copying Documents 3

Welcome Herr Default Administrator

Search [Advanced Search](#)

Content Administration | User Administration | System Administration

Portal Content | Multiple Property Replacement | Unification | Portal Content Translation | Web Dynpro | **KM Content** | Collaboration Content | Workflow Content

KM Content

Detailed Navigation

- KM Content
 - ▶ Toolbox

Portal Favorites

- KM-Content

Item has been copied

View Folder Selection Go To

root > [swcdev](#) > Shared Documents

| root | Name | Size | Modified | Modified By |
|----------------------------|--------------------|-----------|--------------------|-------------|
| ~system | Folder1 | | | |
| Bluserhome | Folder2 | | | |
| cm | Folder3 | | | |
| cmdb | Forms | | | |
| cmdbfs | 1.txt | 199 Bytes | 3/2/06 4:50:37 PM | |
| cmfs | 10.txt | 200 Bytes | 5/4/06 11:12:30 AM | |
| discussiongroups | 11.txt | 200 Bytes | 3/2/06 4:46:17 PM | |
| documents | 12.txt | 199 Bytes | 3/2/06 4:50:36 PM | |
| Entry Points | 2.txt | 199 Bytes | 3/2/06 4:46:14 PM | |
| etc | 3.txt | 199 Bytes | 3/2/06 4:46:14 PM | |
| grouphome | 4.txt | 199 Bytes | 3/2/06 4:46:14 PM | |
| ice | 5.txt | 211 Bytes | 3/6/06 3:59:25 PM | |
| Reporting | 6.txt | 228 Bytes | 3/6/06 4:12:59 PM | |
| rolehome | 7.txt | 199 Bytes | 3/2/06 4:46:15 PM | |
| room_extensions | 8.txt | 199 Bytes | 3/2/06 4:46:16 PM | |
| room_publicarea_structures | 9.txt | 199 Bytes | 3/2/06 4:46:16 PM | |
| room_start... | This is SWCDEV.txt | 90 Bytes | 5/4/06 10:58:47 AM | |

Integration – Copying Documents 4

Welcome Herr Default Administrator

Search [Advanced Search](#)

Content Administration | **User Administration** | **System Administration**

Portal Content | Multiple Property Replacement | Unification | Portal Content Translation | Web Dynpro | **KM Content** | Collaboration Content | Workflow Content

KM Content

Detailed Navigation

- KM Content
 - ▶ Toolbox

Portal Favorites

- KM-Content

View **Folder** **Selection** **Go To**

[root](#) > [documents](#) > [Public Documents](#)

▼ [root](#)

- ▶ [~system](#)
- ▶ [Bluserhome](#)
- ▶ [cm](#)
- ▶ [cmdb](#)
- ▶ [cmdbfs](#)
- ▶ [cmfs](#)
- ▶ [discussiongroups](#)
- ▼ [documents](#)
 - ▶ [~system~](#)
 - ▶ [DeveloperContent](#)
 - ▶ [Discussions](#)
 - ▶ [Links](#)
 - ▶ [News](#)
 - [Public Documents](#)

| | Name | Size | Modified | Modified By |
|--------------------------|------------------------------------|----------|--------------------|--|
| <input type="checkbox"/> | This is SWCDEV.txt | 90 Bytes | 5/4/06 10:58:47 AM | Administrator, Default |

Integration – Copying Documents 6

This is SWCDEV.txt

View Actions Collaboration Settings

Size
90 Bytes

Created
5/4/06 12:26 PM
[Administrator, Default](#)

Modified
5/4/06 10:58 AM
[Administrator, Default](#)

Read
Not Read

Close

Properties

Name * This is SWCDEV.txt

Description (Description is not available for SharePoint based resources.)

System Custom Rendering Miscellaneous Access Links

| | | |
|--------------------------|---------------------|----------------------|
| <input type="checkbox"/> | Created_x0020_Date | 2006-05-04 10:52:03 |
| <input type="checkbox"/> | LinkFilename | This is SWCDEV.txt |
| <input type="checkbox"/> | Author | SWCDEV\administrator |
| <input type="checkbox"/> | myDate | 5/4/2006 12:00:00 AM |
| <input type="checkbox"/> | myCustomNumber | 42 |
| <input type="checkbox"/> | FileSizeDisplay | 90 |
| <input type="checkbox"/> | ID | 1237 |
| <input type="checkbox"/> | myCustomNumber2 | 42 |
| <input type="checkbox"/> | Last_x0020_Modified | 2006-05-04 10:58:47 |
| <input type="checkbox"/> | LinkFilenameNoMenu | This is SWCDEV.txt |
| <input type="checkbox"/> | DocIcon | txt |
| <input type="checkbox"/> | davOwner | Another owner |
| <input type="checkbox"/> | Editor | SWCDEV\administrator |
| <input type="checkbox"/> | LinkCheckedOutTitle | #EMPTY# |
| <input type="checkbox"/> | Edit | #EMPTY# |
| <input type="checkbox"/> | myCalculatedValue | 84.00000000000000 |
| <input type="checkbox"/> | myCustomProp | Yet another test |

Delete Properties

Name Value Add

Save



-Demo -

TREX Configuration Searching Documents


TREX Configuration

Content Administration | User Administration | **System Administration** | MSCTSCDEMO | Content Management

Transport | Monitoring | Permissions | **System Configuration** | Portal Display | Support | Global Portal | Distributed Query Engine | Navigation

Index Administration

◀ ▶

Detailed Navigation 

- System Landscape
- System Landscape Overview
- Keystore Administration
- UM Configuration
- Service Configuration
- ▼ ☐ Knowledge Management
 - Content Management
 - Collaboration
 - **Index Administration**

Index Administration

| | ID | Name | Active | Service | Service Type |
|--------------------------|--|------------------------|--------|-------------|--------------|
| <input type="checkbox"/> | msctscowa3 | msctscowa3 | ✓ | Trex Search | Search |
| <input type="checkbox"/> | msctscowa3_with_secman | msctscowa3_with_secman | ✓ | Trex Search | Search |
| <input type="checkbox"/> | msctscsps | msctscsps | ✓ | Trex Search | Search |
| | | | | | |
| | | | | | |
| | | | | | |

TREX Configuration

Index Administration

msctscsps

[Properties](#)

[Data Sources](#)

[Permissions](#)

[Back](#)

Properties

| | | | |
|--------------------|--|---------------------------------|---------------------------------|
| ID | <input type="text" value="msctscsps"/> | | |
| Name | <input type="text" value="msctscsps"/> | | |
| Group | <input type="text" value="-Select-"/> ▼ | <input type="text"/> | Add |
| Crawler Parameters | <input type="text" value="standard"/> ▼ | Modify Schedule | Remove Schedule |
| Active | <input checked="" type="checkbox"/> | | |
| Service | <input type="text" value="Trex Search"/> | | |
| Service Type | <input type="text" value="Search"/> | | |
| Items to Index | <input type="text" value="Documents"/> | | |
| fuzziness | <input type="text" value="0.7"/> | | |

[Save](#)

TREX Configuration


Index Administration

msctscsps

[Properties](#)
[Data Sources](#)
[Permissions](#)

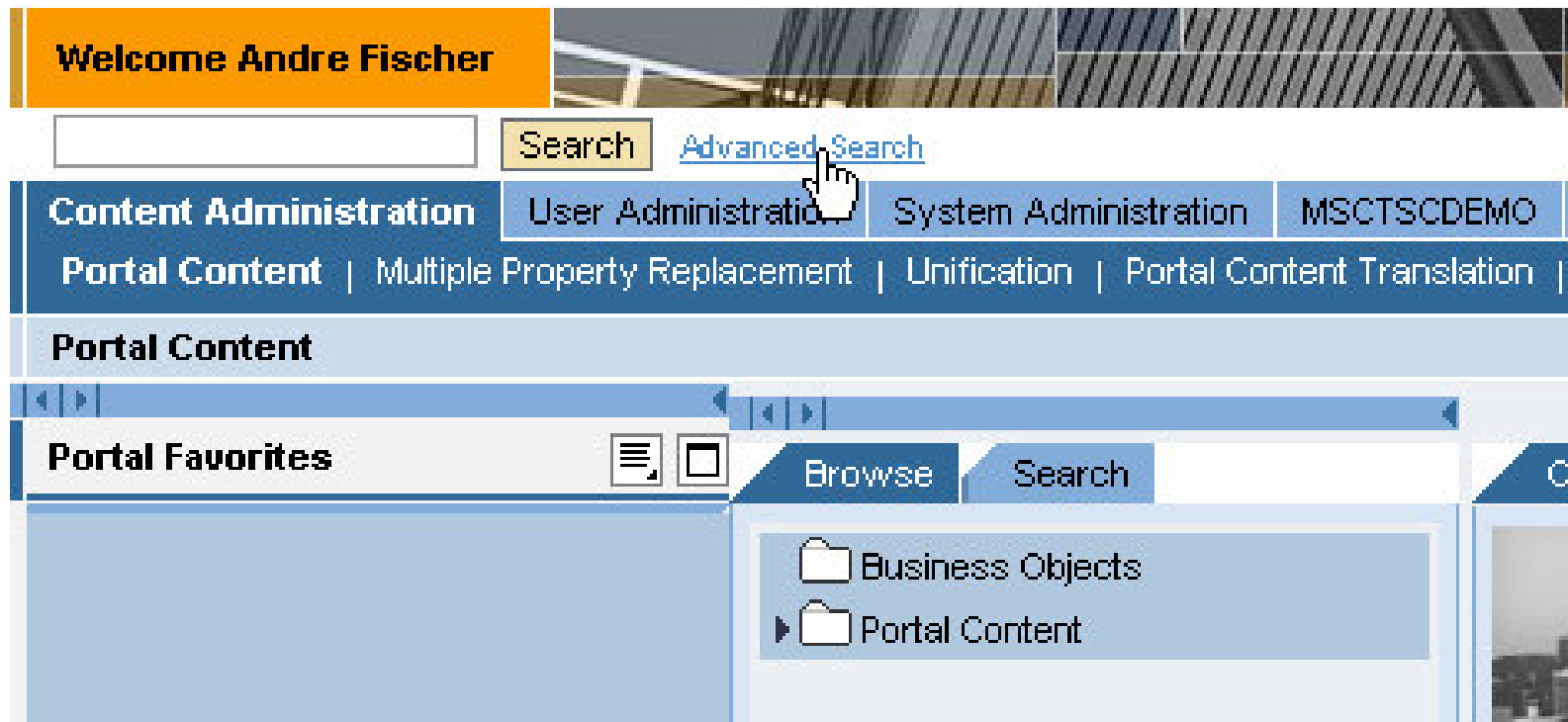
The data sources assigned to an index determine its scope. You can assign folders or entire repositories saved, the documents within the folders and repositories specified are indexed, ensuring that the index additions, and deletions.

Data Sources

☐  **root > msctscsps** (349)

Crawler Parameter Index Default: standard Index schedule defined

Searching documents



Searching documents

* [Hide Options](#)

You can search using Boolean keywords such as AND and OR. Use double quotes around phrases.

Search Options

Search Scope

☐ Index Groups: [Show Indexes](#)

☒ Miscellaneous

☐ Folders (and Subfolders):

Filter by Properties

Name

Description

Last Modified By

Last Modified

Display Results

Sort By in Order

Results Per Page

Items

Max No. of Categories

Filter by Predefined Properties

Property Value


Filter by Custom Properties

Property Value


Searching documents

[Search](#) [Show Options](#)

Search Results For *


98%

[simple1.txt](#) [Open Folder](#) | [See Also](#) | [Details](#)
text1 test mit update über edit online 11 :1411:5512:2114:5417:18
78 Bytes 1/31/06 5:18:58 PM [HTML Version](#)


98%

[Test2.txt](#) [Open Folder](#) | [See Also](#) | [Details](#)
Just a simple test documen .It contains the keyword " SWC " .
59 Bytes 4/10/06 10:26:07 AM [HTML Version](#)

Searching documents

SAP Enterprise Portal 6.0 - Microsoft Internet Explorer

simple1.txt

View Actions Settings

Size
78 Bytes

Locked By
ep6adm

Modified
1/31/06 5:18 PM

Number of Versions

Read
Not Read

Close

Properties

Name * simple1.txt

Description (Description is not available for SharePoint based resources.)

System Custom Miscellaneous Access Links

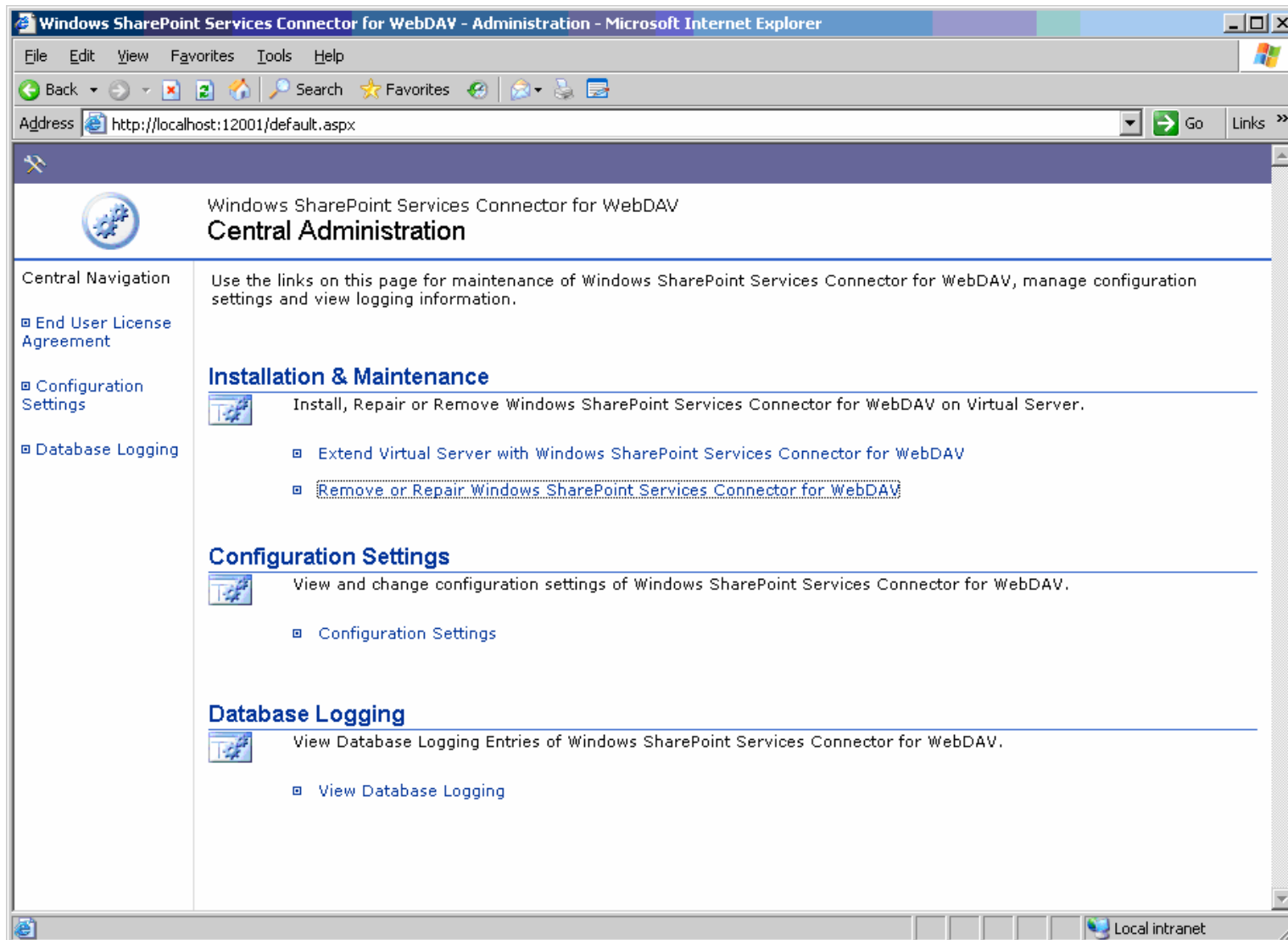
| | |
|---------------------------|-----------------------------------|
| myStringProp | Test von Robert Draken aus dem IE |
| LinkFilename0 | #EMPTY# |
| LinkFilename | simple1.txt |
| Created_x005f_x0020_Date | #EMPTY# |
| Last_x005f_x0020_Modified | #EMPTY# |
| xyz | #EMPTY# |
| Last_x0020_Modified | 2006-01-31 17:18:58 |
| LinkFilenameNoMenu | simple1.txt |



- Demo -

Maintenance of Windows SharePoint Services Connector for WebDAV

Repair SWC



Repair SWC

The screenshot shows a web browser window titled "Windows SharePoint Services Connector for WebDAV - Installation V5List - Microsoft Internet Explorer". The address bar displays "http://localhost:12001/ExtendList.aspx?Operation=2". The page content includes a "Virtual Server List" section with a table of installed connectors.

Windows SharePoint Services Connector for WebDAV
Virtual Server List

Central Navigation

- End User License Agreement
- Administration
- Configuration Settings
- Database Logging

To perform maintenance tasks for a virtual server, click the virtual server name. To view all virtual servers for this server computer, go to the [complete list](#).

Remove or Repair Windows SharePoint Services Connector for WebDAV

| Name | URL | Filter Version | Handler Version | Status | IIS Instance ID |
|----------------------------------|----------------|----------------|-----------------|----------|-----------------|
| Default Web Site | http://swcref/ | 1.0.0.0 | 1.0.2315.14795 | Extended | 1 |

Done Local intranet

Repair SWC

The screenshot shows a web browser window titled "Windows SharePoint Services Connector for WebDAV - Remove Options - Microsoft Internet Explorer". The address bar shows the URL: `http://localhost:12001/RemoveOptions.aspx?Url=http%3a%2f%2fswcref%2f&Operation=2`. The page content is as follows:

Windows SharePoint Services Connector for WebDAV
Remove / Repair

Central Navigation

- End User License Agreement
- Administration
- Configuration Settings
- Database Logging

Use this page to remove or repair Windows SharePoint Services Connector for WebDAV.

Current Virtual Server

Note the current virtual server name. To change virtual servers, go to the [Choose Virtual Server](#) page.

| | |
|----------------------|-----------------------------|
| Virtual Server Name: | Default Web Site |
| URL: | <code>http://swcref/</code> |
| Filter Version: | 1.0.0.0 |
| Handler Version: | 1.0.2315.14795 |
| Status: | Extended |
| IIS Instance ID: | 1 |

Options

Choose the appropriate operation.

Remove will remove the SwcFilter and the SwcHandler.

Repair and leave configuration will repeat all extension steps and resets settings to original values, but does not change the current configuration file.

Repair and reset configuration will repeat all extension steps and resets settings to original values, and replaces the current configuration file with the default configuration file.

☐ Remove Windows SharePoint Services Connector for WebDAV.

☒ Repair Windows SharePoint Services Connector for WebDAV and leave current configuration.

☐ Repair Windows SharePoint Services Connector for WebDAV and reset configuration.

OK Cancel

Repair SWC

Windows SharePoint Services Connector for WebDAV - Remove Options - Microsoft Internet Explorer

File Edit View Favorites Tools Help

Back Forward Stop Search Favorites

Address http://localhost:12001/RemoveOptions.aspx?Url=http%3a%2f%2fswceref%2f&Operation=2 Go Links

Windows SharePoint Services Connector for WebDAV
Remove / Repair

Central Navigation

- End User License Agreement
- Administration
- Configuration Settings
- Database Logging

Use this page to remove or repair Windows SharePoint Services Connector for WebDAV.

| Current Virtual Server | |
|--|--|
| Note the current virtual server name. To change virtual servers, go to the Choose Virtual Server page. | Virtual Server Name: URL: Filter Version: Handler Version: Status: IIS Instance ID: |
| | Default Web Site http://swceref/ 1.0.0.0 1.0.2315.14795 Extended 1 |

Options

Choose the appropriate operation.

Remove will remove the SwcFilter and the SwcHandler.

Repair and **leave** configuration will repeat all extension steps and resets settings to original values, but does not change the current configuration file.

Repair and **reset** configuration will repeat all extension steps and resets settings to original values, and replaces the current configuration file with the default configuration file.

☐ **Remove** Windows SharePoint Services Connector for WebDAV.

☒ **Repair** Windows SharePoint Services Connector for WebDAV and **leave current configuration**.

☐ **Repair** Windows SharePoint Services Connector for WebDAV and **reset configuration**.

To remove or repair Windows SharePoint Services Connector for WebDAV , the IIS Web Site will be automatically stopped - and restarted after the operation completes.

Please confirm by clicking the OK button again.

To abort, click the Cancel button.

OK Cancel

Local intranet

Repair SWC

Windows SharePoint Services Connector for WebDAV - Installation VSList - Microsoft Internet Explorer

File Edit View Favorites Tools Help

Back Forward Stop Home Search Favorites Refresh Print Mail Print Mail

Address <http://localhost:12001/ExtendList.aspx?Operation=0&task=Repairing%20Windows%20SharePoint%20Services%20Connector%20for%20WebC> Go Links >>

Windows SharePoint Services Connector for WebDAV

Virtual Server List

Central Navigation

- End User License Agreement
- Administration
- Configuration Settings
- Database Logging

To perform maintenance tasks for a virtual server, click the virtual server name.

Repairing Windows SharePoint Services Connector for WebDAV: successful.

Complete List

| Name | URL | Filter Version | Handler Version | Status | IIS Instance ID |
|----------------------------------|----------------|----------------|-----------------|----------|-----------------|
| Default Web Site | http://swcref/ | 1.0.0.0 | 1.0.2315.14795 | Extended | 1 |

Done Local intranet

Repair SWC

Windows SharePoint Services Connector for WebDAV - Remove Options - Microsoft Internet Explorer

File Edit View Favorites Tools Help

Back Forward Stop Home Search Favorites

Address http://localhost:12001/RemoveOptions.aspx?Url=http%3a%2f%2fswcref%2f&Operation=2 Go Links >>

Windows SharePoint Services Connector for WebDAV
Remove / Repair

Central Navigation

- End User License Agreement
- Administration
- Configuration Settings
- Database Logging

Use this page to remove or repair Windows SharePoint Services Connector for WebDAV.

Current Virtual Server

Note the current virtual server name. To change virtual servers, go to the [Choose Virtual Server](#) page.

| | |
|----------------------|------------------|
| Virtual Server Name: | Default Web Site |
| URL: | http://swcref/ |
| Filter Version: | 1.0.0.0 |
| Handler Version: | 1.0.2315.14795 |
| Status: | Extended |
| IIS Instance ID: | 1 |

Options

Choose the appropriate operation.

Remove will remove the SwcFilter and the SwcHandler.

Repair and **leave** configuration will repeat all extension steps and resets settings to original values, but does not change the current configuration file.

Repair and **reset** configuration will repeat all extension steps and resets settings to original values, and replaces the current configuration file with the default configuration file.

☐ **Remove** Windows SharePoint Services Connector for WebDAV.

☐ **Repair** Windows SharePoint Services Connector for WebDAV and **leave current configuration**.

☒ **Repair** Windows SharePoint Services Connector for WebDAV and **reset configuration**.

OK Cancel

Local intranet

Repair SWC

Windows SharePoint Services Connector for WebDAV - Remove Options - Microsoft Internet Explorer

File Edit View Favorites Tools Help

Back Forward Stop Home Search Favorites

Address http://localhost:12001/RemoveOptions.aspx?Url=http%3a%2f%2fswcresf%2f&Operation=2 Go Links

Windows SharePoint Services Connector for WebDAV
Remove / Repair

Central Navigation

- End User License Agreement
- Administration
- Configuration Settings
- Database Logging

Use this page to remove or repair Windows SharePoint Services Connector for WebDAV.

Current Virtual Server

Note the current virtual server name. To change virtual servers, go to the [Choose Virtual Server](#) page.

| | |
|----------------------|------------------|
| Virtual Server Name: | Default Web Site |
| URL: | http://swcresf/ |
| Filter Version: | 1.0.0.0 |
| Handler Version: | 1.0.2315.14795 |
| Status: | Extended |
| IIS Instance ID: | 1 |

Options

Choose the appropriate operation.

Remove will remove the SwcFilter and the SwcHandler.

Repair and **leave** configuration will repeat all extension steps and resets settings to original values, but does not change the current configuration file.

Repair and **reset** configuration will repeat all extension steps and resets settings to original values, and replaces the current configuration file with the default configuration file.

☐ **Remove** Windows SharePoint Services Connector for WebDAV.

☐ **Repair** Windows SharePoint Services Connector for WebDAV and **leave current configuration**.

☒ **Repair** Windows SharePoint Services Connector for WebDAV and **reset configuration**.

To remove or repair Windows SharePoint Services Connector for WebDAV , the IIS Web Site will be automatically stopped - and restarted after the operation completes.

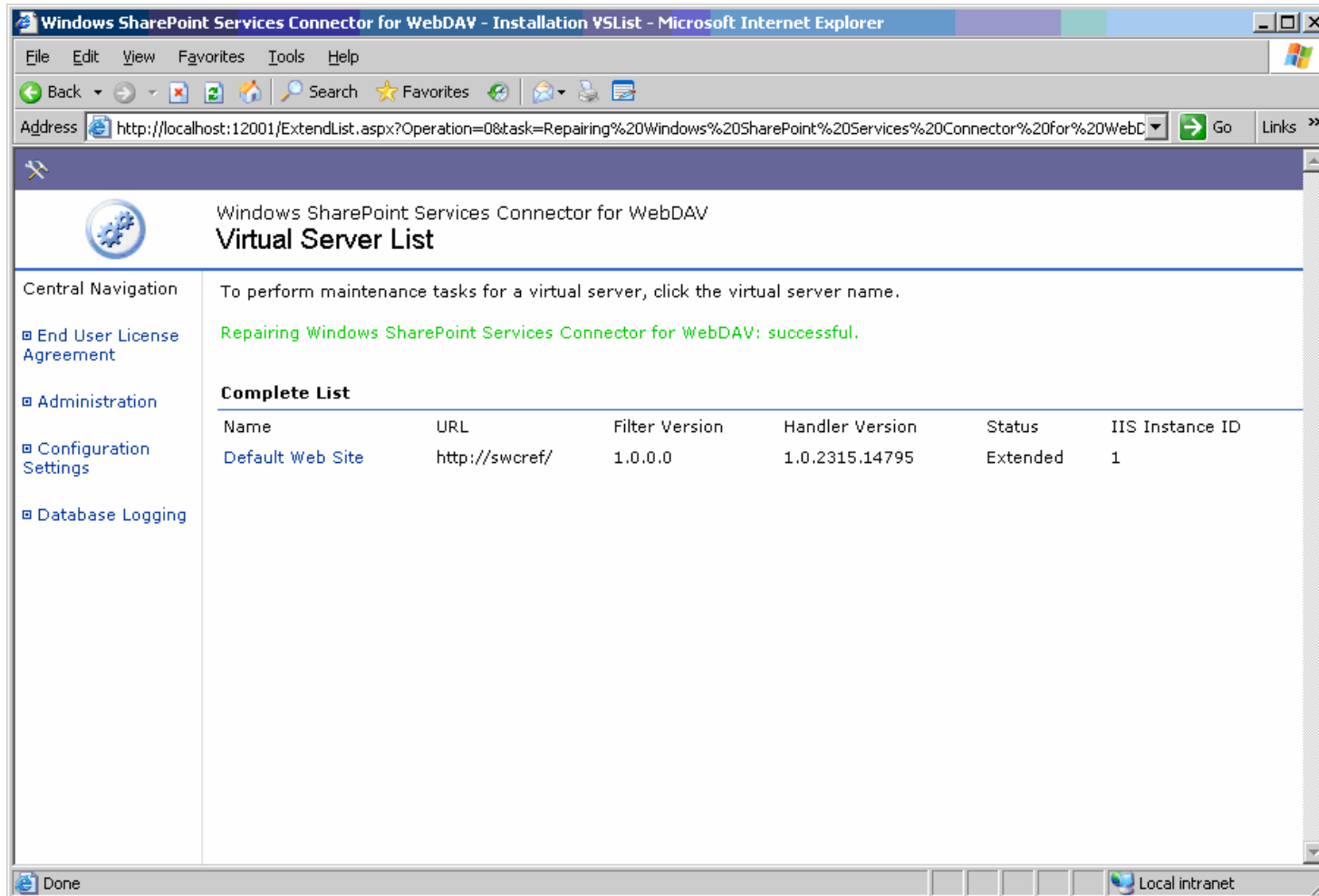
Please confirm by clicking the OK button again.

To abort, click the Cancel button.

OK Cancel

Done Local intranet

Repair SWC



Windows SharePoint Services Connector for WebDAV - Installation V5List - Microsoft Internet Explorer

File Edit View Favorites Tools Help

Back Forward Stop Reload Home Search Favorites

Address <http://localhost:12001/ExtendList.aspx?Operation=0&task=Repairing%20Windows%20SharePoint%20Services%20Connector%20for%20WebD> Go Links >>

Windows SharePoint Services Connector for WebDAV

Virtual Server List

Central Navigation

- End User License Agreement
- Administration
- Configuration Settings
- Database Logging

To perform maintenance tasks for a virtual server, click the virtual server name.

Repairing Windows SharePoint Services Connector for WebDAV: successful.

Complete List

| Name | URL | Filter Version | Handler Version | Status | IIS Instance ID |
|------------------|----------------|----------------|-----------------|----------|-----------------|
| Default Web Site | http://swcref/ | 1.0.0.0 | 1.0.2315.14795 | Extended | 1 |

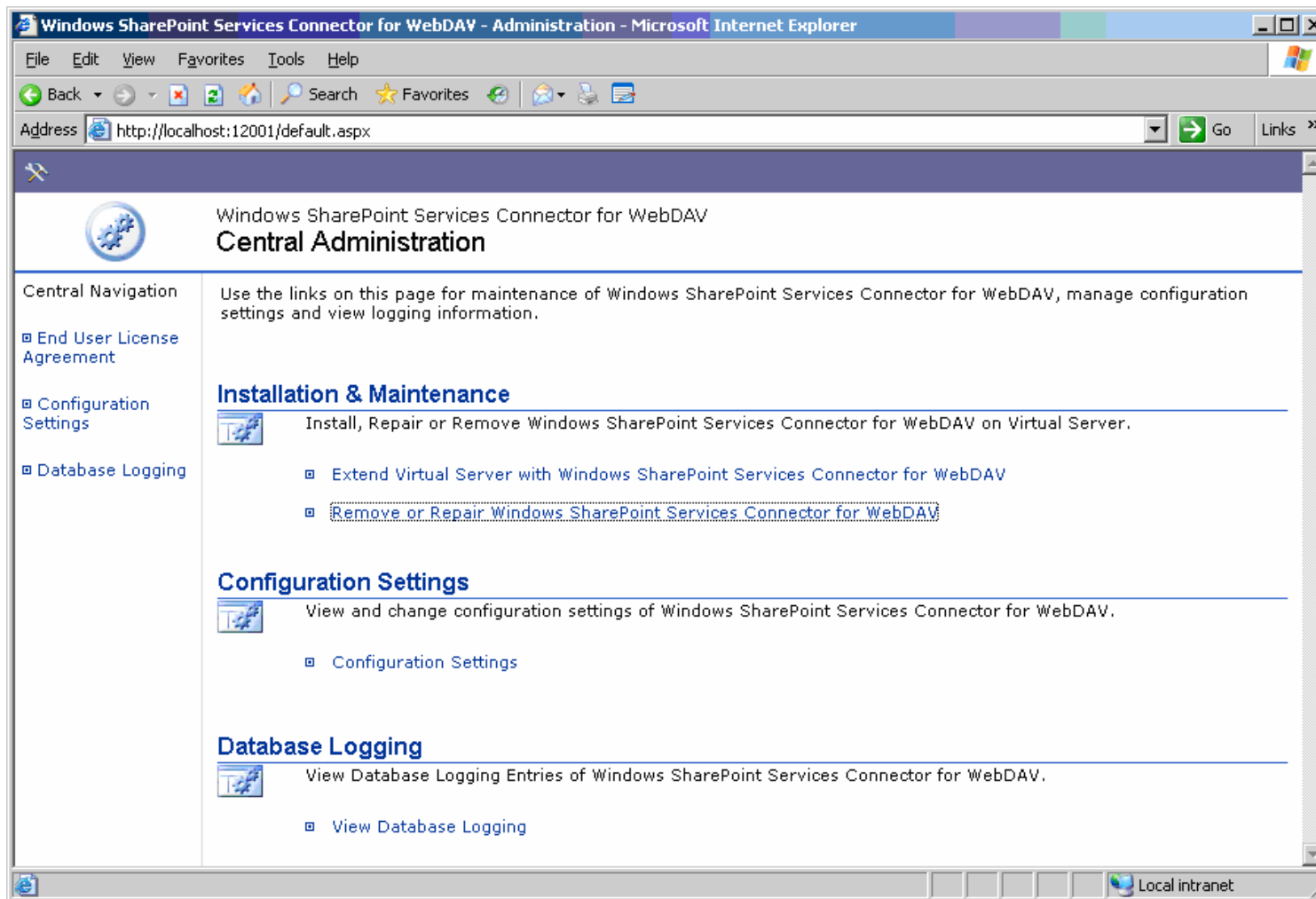
Done Local intranet



-Demo -

**Remove
Windows SharePoint Services
Connector for WebDAV**

Remove SWC



Remove SWC

Windows SharePoint Services Connector for WebDAV - Installation VSList - Microsoft Internet Explorer

File Edit View Favorites Tools Help

Back Forward Stop Home Search Favorites

Address <http://localhost:12001/ExtendList.aspx?Operation=2> Go Links

Windows SharePoint Services Connector for WebDAV Virtual Server List

Central Navigation

- End User License Agreement
- Administration
- Configuration Settings
- Database Logging

To perform maintenance tasks for a virtual server, click the virtual server name. To view all virtual servers for this server computer, go to the [complete list](#).

Remove or Repair Windows SharePoint Services Connector for WebDAV

| Name | URL | Filter Version | Handler Version | Status | IIS Instance ID |
|----------------------------------|---|----------------|-----------------|----------|-----------------|
| Default Web Site | http://swcref/ | 1.0.0.0 | 1.0.2315.14795 | Extended | 1 |

<http://localhost:12001/RemoveOptions.aspx?Url=http%3a%2f%2fswcref%2f&Operation=2> Local intranet

Remove SWC

The screenshot shows a web browser window titled "Windows SharePoint Services Connector for WebDAV - Remove Options - Microsoft Internet Explorer". The address bar shows the URL: `http://localhost:12001/RemoveOptions.aspx?Url=http%3a%2f%2fswcref%2f&Operation=2`. The page content is as follows:

Windows SharePoint Services Connector for WebDAV
Remove / Repair

Use this page to remove or repair Windows SharePoint Services Connector for WebDAV.

Central Navigation

- End User License Agreement
- Administration
- Configuration Settings
- Database Logging

Current Virtual Server

Note the current virtual server name. To change virtual servers, go to the [Choose Virtual Server](#) page.

| | |
|----------------------|-----------------------------|
| Virtual Server Name: | Default Web Site |
| URL: | <code>http://swcref/</code> |
| Filter Version: | 1.0.0.0 |
| Handler Version: | 1.0.2315.14795 |
| Status: | Extended |
| IIS Instance ID: | 1 |

Options

Choose the appropriate operation.

Remove will remove the SwcFilter and the SwcHandler.

Repair and **leave** configuration will repeat all extension steps and resets settings to original values, but does not change the current configuration file.

Repair and **reset** configuration will repeat all extension steps and resets settings to original values, and replaces the current configuration file with the default configuration file.

☒ **Remove** Windows SharePoint Services Connector for WebDAV.

☐ **Repair** Windows SharePoint Services Connector for WebDAV and **leave current configuration**.

☐ **Repair** Windows SharePoint Services Connector for WebDAV and **reset configuration**.

OK Cancel

Remove SWC

Windows SharePoint Services Connector for WebDAV - Remove Options - Microsoft Internet Explorer

File Edit View Favorites Tools Help

Back Forward Stop Search Favorites

Address http://localhost:12001/RemoveOptions.aspx?Url=http%3a%2f%2fswcref%2f&Operation=2 Go Links

Windows SharePoint Services Connector for WebDAV
Remove / Repair

Central Navigation

- End User License Agreement
- Administration
- Configuration Settings
- Database Logging

Use this page to remove or repair Windows SharePoint Services Connector for WebDAV.

| Current Virtual Server | |
|------------------------|------------------|
| Virtual Server Name: | Default Web Site |
| URL: | http://swcref/ |
| Filter Version: | 1.0.0.0 |
| Handler Version: | 1.0.2315.14795 |
| Status: | Extended |
| IIS Instance ID: | 1 |

Options

Choose the appropriate operation.

Remove will remove the SwcFilter and the SwcHandler.

Repair and **leave** configuration will repeat all extension steps and resets settings to original values, but does not change the current configuration file.

Repair and **reset** configuration will repeat all extension steps and resets settings to original values, and replaces the current configuration file with the default configuration file.

- ☒ **Remove** Windows SharePoint Services Connector for WebDAV.
- ☐ **Repair** Windows SharePoint Services Connector for WebDAV and **leave current configuration**.
- ☐ **Repair** Windows SharePoint Services Connector for WebDAV and **reset configuration**.

To remove or repair Windows SharePoint Services Connector for WebDAV , the IIS Web Site will be automatically stopped - and restarted after the operation completes.

Please confirm by clicking the OK button again.

To abort, click the Cancel button.

OK Cancel

Local intranet

Remove SWC

Windows SharePoint Services Connector for WebDAV - Installation VList - Microsoft Internet Explorer

File Edit View Favorites Tools Help

Back Forward Stop Home Search Favorites Refresh Print

Address <http://localhost:12001/ExtendList.aspx?Operation=0&task=Removing%20Windows%20SharePoint%20Services%20Connector%20for%20WebDAV> Go Links >>

Windows SharePoint Services Connector for WebDAV

Virtual Server List

Central Navigation

- End User License Agreement
- Administration
- Configuration Settings
- Database Logging

To perform maintenance tasks for a virtual server, click the virtual server name.

Removing Windows SharePoint Services Connector for WebDAV: successful.

Complete List

| Name | URL | Filter Version | Handler Version | Status | IIS Instance ID |
|----------------------------------|---|----------------|-----------------|--------------|-----------------|
| Default Web Site | http://swceref/ | Not Installed | Not Installed | Not Extended | 1 |

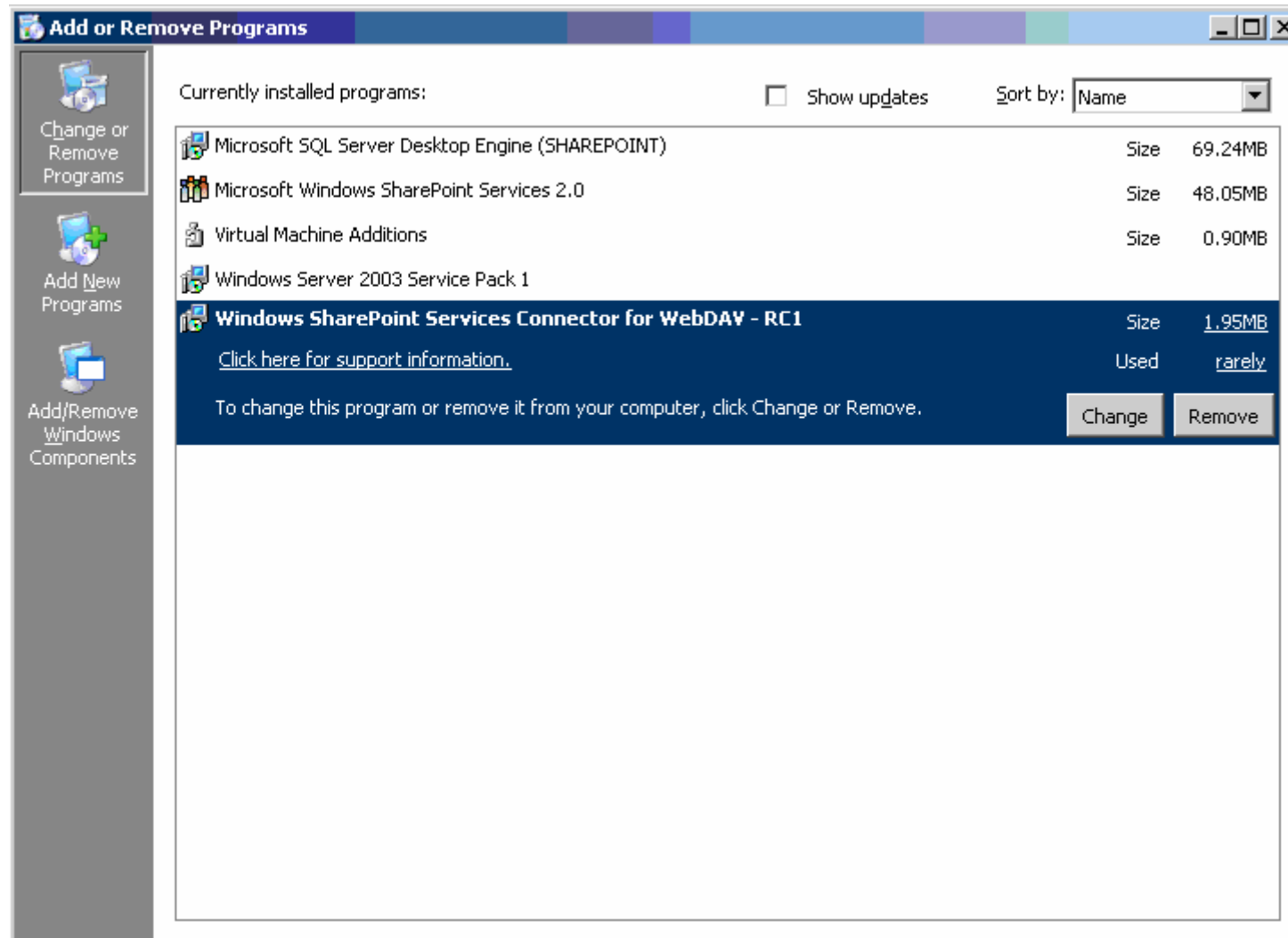
Done Local intranet



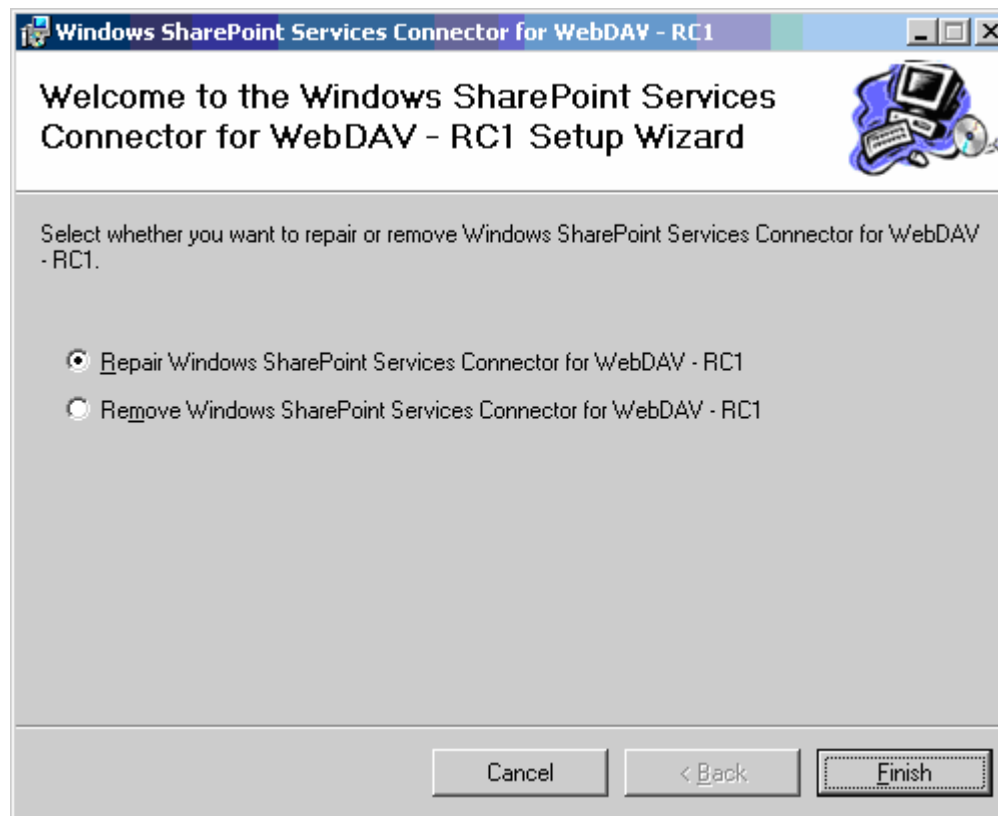
-Demo -

**Repair / Uninstall
Windows SharePoint Services
Connector for WebDAV**

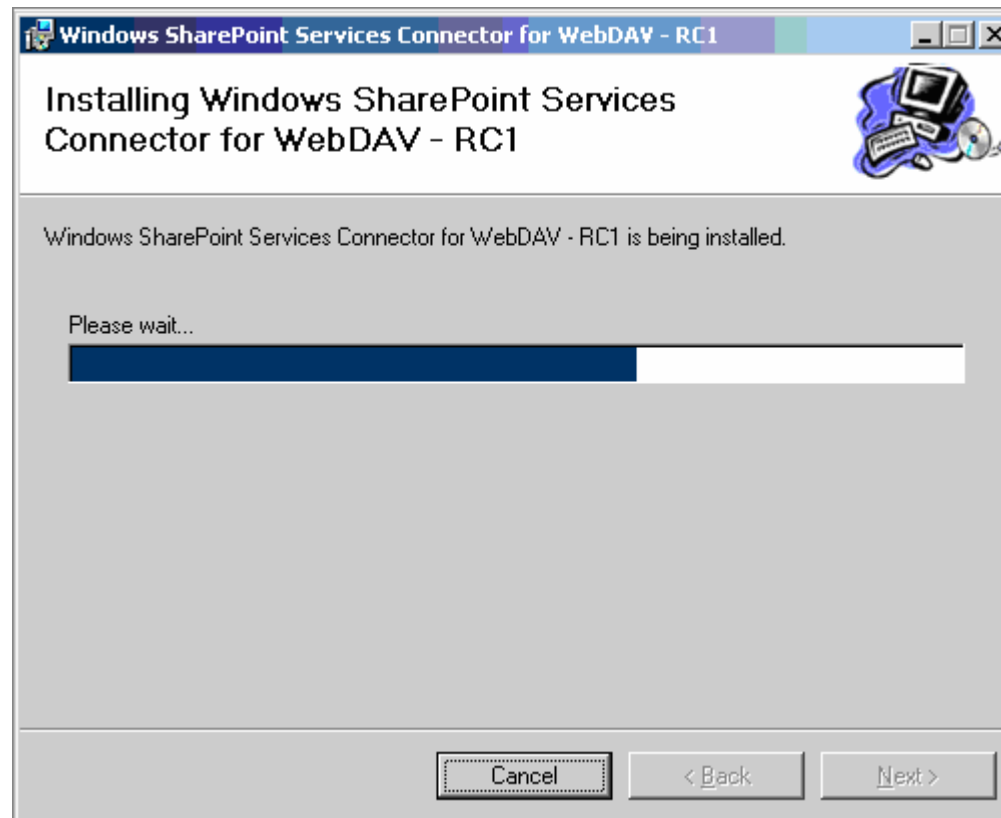
Repair / Uninstall SWC



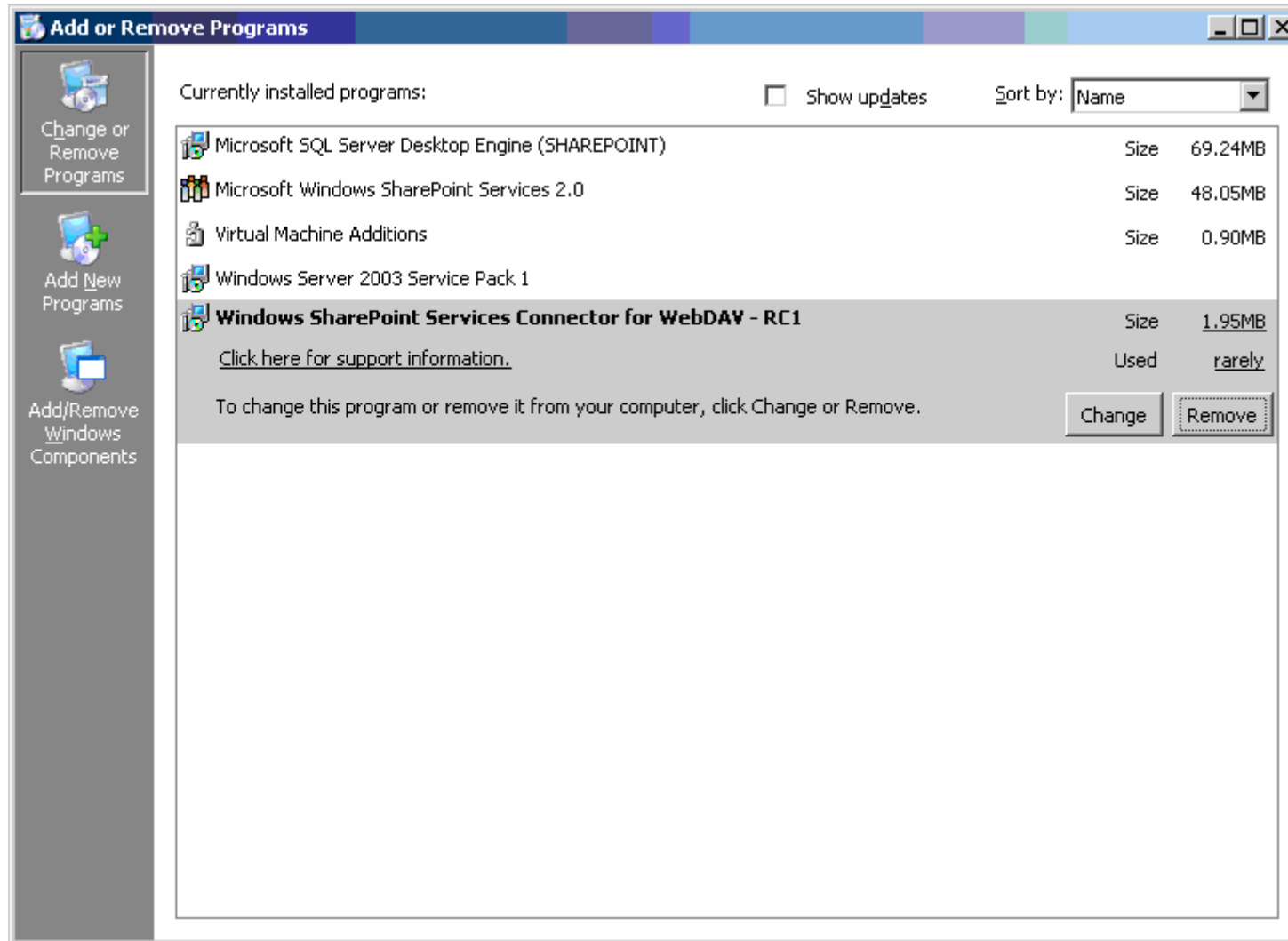
Repair / Uninstall SWC



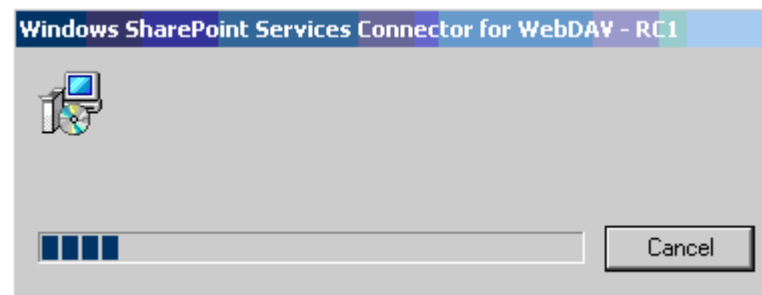
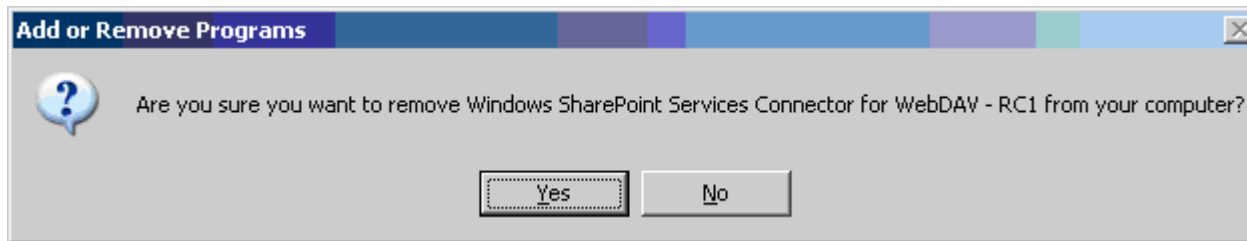
Repair / Uninstall SWC



Repair / Uninstall SWC



Repair / Uninstall SWC





Demo

Microsoft

The header banner features a photograph of three individuals—two men and one woman—collaborating and looking at a screen. The background of the banner is a grid of squares in shades of gray and orange. The text "THE KNOWLEDGE PEOPLE" is overlaid on the banner in a white, spaced-out, sans-serif font.

T H E K N O W L E D G E P E O P L E

Thank you for your attention !

Microsoft