# Le Moteur de Recherche de MOSS 2007

Installer le moteur de recherche de MOSS 2007



Nous avons vu dans un précédent article comment mettre en place le moteur de recherche dans un site WSS. La question se pose maintenant dans une Ferme MOSS. Nous verrons donc dans cet article comment installer et paramétrer ce moteur.

### Introduction

L'article précédent **"Le Moteur de Recherche de WSS V3** " nous a permis de découvrir le moteur de recherche de la version gratuite de SharePoint (WSS V3).

Cette version est intéressante mais reste limitée dans les possibilités offertes. En effet, chaque recherche s'effectue sur le site et ses sous-sites, il n'y a donc pas de recherches transverses avec WSS V3.

# Les différences WSS/MOSS

	WSS	MOSS	
Peut indexer	Contenu SharePoint local	Sites SharePoint, Serveurs Exchange, serveurs de fichiers, Serveurs Note, applications métier	
Résultats pertinents et détaillés	Х	×	
Alertes, RSS, DYM, Dup collap	Х	×	
Scopes, Managed Properties		×	
Best Bets, Suppression de résultats, rapports sur les requêtes		X	
Onglets		×	
Recherche sur les personnes, Knowledge Network		X	
Recherche de données métier (BDC)		X	
APIs disponibles	Requêtes	Requêtes et administration	

On en arrive donc très vite à souhaiter une solution beaucoup plus efficace, adaptable et globale. MOSS fournit donc cette réponse par la version :

Microsoft Office SharePoint Server 2007 for Search

# Présentation

Microsoft Office SharePoint Server 2007 offre différentes fonctionnalités supplémentaires à la collaboration.



Le moteur de recherche fait parti de celles-ci. Il faut maintenant comprendre comment ces fonctionnalités sont mises en place dans MOSS.

Cette fonction de recherche est associée à la mise en place d'un système spécifique à MOSS :

• Le "Shared Service Provider" ou SSP

La notion de SSP permet de casser la liaison forte qui existait dans la version SPS 2003 entre le Portail et la recherche. Ainsi un seul SSP peut être associé à plusieurs applications WEB (WSS ou MOSS).

Nous verrons donc dans cet article comment créer un SSP, puis le paramétrage et l'activation du moteur de recherche. On terminera par l'ajout de sources de données à indexer.

#### Activation de l'Indexer

Avant de commencer la création et le paramétrage d'un SSP, il nous faut définir le serveur de la ferme qui va obtenir le rôle d'Indexer.

Pour cela il faut bien sur lancer l'administration Centrale de SharePoint 2007.

• Programs > Microsoft Office Server > SharePoint 3.0 Central Administration

Puis dans l'onglet "Operations". On voit alors le lien "Services on Server".



Il faut donc sélectionner le serveur de la ferme sur lequel on va activer l'indexer, et cliquer sur "Office SharePoint Server Search".

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for more information	R Select server role to display services y	ou will need to start in the table below.		
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ntral	R Web Server for medium server fam	ns Web application and S	iearch Query service	es run on this server
Immistration	C Search Indexing	Search Indexing servi	ce runs on this serve	er
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dministration			View: Co	nfigurable •
Recycle Bin	Service	Comment	Status	Action
	Document Conversions Launcher Service		Stopped	Start
	Document Conversions Load Balancer Service		Stopped	Start
	Excel Calculation Services	Required on Farm, not running	Stopped	Start
	Office SharePoint Server Search	Required on Farm, not running	Stopped	Start
	Windows SharePoint Services Search	Required on Farm, not running	Stopped	Start
	Windows SharePoint Services Web Application		Started	Stop
	E When finished, return to the Central A	dministration home page		
	M			

On doit alors créer (ou utiliser) un compte de service qui va lancer le service d'indexation et compléter les différents champs de paramétrage pour ensuite cliquer sur OK.



Notre service d'indexation est alors paramétré, nous pouvons cliquer sur "Start" afin de le démarrer.

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	Office SharePoint Server Search	Required on Parm, not running	Stopped	Start
	Windows SharePoint Services Search	Required on Farm, not running	Stopped	Start
	Windows SharePoint Services Web		Started	Stop
	Application			

Il nous faut alors simplement redéfinir le Mot de passe du compte de service et cliquer sur "Start".



On peut maintenant créer le SSP qui va s'appuyer sur ce service d'indexation lancé.

#### **Création du Shared Service Provider**

La création s'un SSP se fait comme pour toutes les actions lourdes dans l'administration centrale de SharePoint 2007.

• Programs > Microsoft Office Server > SharePoint 3.0 Central Administration

On voit alors le menu d'administration "Shared Services Administration".



En allant sur cette page, on voit apparaître la page permettant de gérer les SSP, dont le lien pour créer un SSP "New SSP".



On arrive alors dans la page de création du SSP en question, Nous y voyons apparaître les différents champs de paramétrage de ce SSP.



Nous devons créer dans un premier temps les Web Applications pour :

- L'administration du SSP (dans notre cas, on spécifiera le port 2008)
- Le site MySite (dans notre cas, on spécifiera le port 2009)

Pour créer ces Web Applications, il faut cliquer à chaque fois sur le lien "Create a new Web application", puis fournir les renseignements sur cette nouvelle Web App.

🌈 Create New Web Applic	ation - Windows Internet Explorer		LOX
😋 🕑 🔹 🔊 http://mo	ssdevsrv:15050/_admin/extendvs.aspx?source=sspdetail	s%2Easpx%3Ptask%3 💽 😚 🗙 Uve Search	P -
😭 🏟 🛛 🏀 Create New V	Veb Application	💁 + 🖾 - 🖶 + 🕞 Bag	e * 🕜 T <u>o</u> ols * 🤷
Application     Application     Management     Shared Services     Administration     Recycle Bin	If you select an existing IIS web site, that web site must exist on all servers in the farm and have the same description, or this action will not succeed. If you opt to create a new IIS web site, it will be automatically created on all servers in the farm. If an IIS setting that you wish to change is not shown here, you can use this option to create the basic site, then update it using the standard IIS tools.	Create a new IIS web site     Description     SharePoint - 2008 Port     2008 Host Header     Path     C:\Inetpub\www.root\wss\VirtualDirect	
	Security Configuration Kerberose is the recommended security configuration to use with Integrated Windows authentication. Nerberos requires the application pool account to be Network Service or special configuration by the domain administrator. NUP authentication will work with any application pool account and the default domain configuration. If you choose to use Secure Sockets Layer (SSL), you must add the certificate on each server using the IIS administration NOM. Until this is done, the web application will be inaccessible from this IIS Web Site.	Authentication provider: C Negotiate (Verberos) G NTLM Allow Anonymous: C Yes G No Use Secure Sockets Layer (SSL): C Yes G No	
	Load Balanced URL The load balanced URL is the domain name for all sites users will access in this SharePoint Web application. This URL domain will be used in all links shown on pages within the web application. By default, it is set to the current servername and port.	URL http://MOSSDEVSRV:2008 Zane Default	
	Application Pool Choose the application pool to use for the new web application. This defines the account and credentials that will be used by this service. You can choose an existing application pool or create a new one.	C Lise existing application pool DefaultAppPool (MOSSDEVSRV\WSSAdmin) C Create new application pool Application pool name SharePoint - 2008 Select a security account for this application pool C Predefined Network Service	
Done		Configurable	100% ·

Une fois ces deux Web Applications créées, nous pouvons renseigner les autres champs, comme le nom des bases de données ou le nom du compte de service, et on clique sur OK.

6 New Shared Services Provider	💁 • 🗟 - 🖶	🔹 🕞 Page 🔹 🍘 Tools 🔹
sprices are observations for the Sammer services to use for inter-server communication and for running SSP-acoped timer jobs.	MOSSDEVSRVVMOSSAdmin Password	52 m -
<ul> <li>SSP Database</li> <li>Each SSP requires a database for service specific data.</li> <li>Use of the default database server and database name is recommended for most cases. Refer to the Office SharePoint Server TechCenter on TechNet for advanced scenarios where specifying database information is required.</li> <li>Use of Windows authentication is strongly recommended. To use SQL authentication, specify the credentials that will be used to connect to the SSP Database.</li> </ul>	Database Server MOSSDEVSRV Database Name SharedServicest_DB Database authentication  C SQL authentication Account Password	
<ul> <li>Gearch Database</li> <li>In addition to the SSP database, a separate database is required for frequently changing search related data.</li> <li>Use of the default database server and database name is recommended for most cases. Refer to the Office SharePoint Server TechCenter on TechNett for advanced scenarios where specifying database information is required.</li> <li>Use of Windows authentication is strongly recommended. To use SQL authentication, specify the credential that will be used to connect to the SSP Database.</li> </ul>	Database Server MOSSDEVSRV Database Name SharedServices1_Search_DB Database authentication  Vindows authentication (recommended)  C SQL authentication Account Password Password	
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La création dure quelques instants jusqu'à obtenir un message de félicitation.



En cliquant sur OK, on arrive sur l'interface d'administration de ce nouvel SSP.

Manage the family Shared Services   Image: Central Administration   We come MOSSDEVSRV updministrator +   My Site   My Links +      Image: Operators   Application Hanagement   Server Farm : Operators   Not Configuration :   Not Configuration :   Not Configuration :   New All Site Content   Administration   Manage this page to manage thered services provider (SSPs), SSPs provide the infrastructure - distabases, Web services, and edmin space - for thard services. From the page, create new SSPs, control which SSP is used by each Web application, and recorrect the space of distabase recovery.   Server Farm :   Configuration :   New All Site Content   - Operators   Application Management :   Mend Set Content   - Operators   - Operators   - SharedServices1   - SharedServices1   - SharedServices1   - SharedServices1   - SharedServices	C S - C http://moss	devsrv:15050/ adminimanagessp.aspx	💌 💀 🗙 Luw Search	<u>ء م</u>	
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Nous devons maintenant configurer ce SSP concernant le moteur de recherche.

#### Paramétrage du moteur de recherche

Toute la personnalisation de ce moteur de recherche s'effectue dans le site d'administration de ce Shared Service Provider.



En allant dans "Search Settings", on voit le résumé de la configuration de ce moteur de recherche.

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Vous pouvez changer les paramètres de connexion de base de ce moteur d'indexation, définir les types de fichier gérés, définir les sources de données, ...

Nous pouvons aussi ajouter de nouvelles sources de contenus, voyons donc comment ajouter celles-ci.

# Gestion des sources de données

Nous voyons les sources de contenus indexées en cliquant sur le lien :

• Content sources and crawl schedules



En cliquant sur ce lien, on obtient la liste des contenus indexés par le moteur.



L'élément présent "Local Office SharePoint Server Sites", fait référence à tous les sites Sharepoint de la ferme, ainsi les paramètres affichent les URL des sites SharePoint existants sur la ferme, ainsi que les planifications existantes.

🖉 Edit Content Source - W	indows Internet Explorer		
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	Name Type a name to describe this content source	Name: *	_
	Type in name to deach be one content address	Local office officer offic oerver alles	
	Content Source Details This shows the current status of the Content Source.	Content Source Type: SharePoint: Current Status: Idle Current Number of Start Addresses: 5 Last Graviled At: Never Errors in Last Crawil: 0	Sites
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		<b>X</b>	ć II
		Example: http://intranetsite	
	Crawl Settings Specify the behavior for crawling this type of content.	Select crawling behavior for all start addresses in this content source:	
	Selecting to crawl everything under the hostname will also crawl all the SharePoint Sites in the server.	Crawl everything under the hostname for each st address	lart
		Crawl only the SharePoint Site of each start address	55
	Crawl Schedules Select the crawl schedules for this content source.	Select the schedule that this should be a part of:	
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	Start Full Crawl Select "Start full crawl of this content source" and click "CK" to start a full crawl of this content source.	Start full crawl of this content source	
Done		Local intranet	100% • //

Vous pouvez lancer l'indexation en cochant la dernière case et cliquant sur OK.

Nous pouvons ajouter d'autres sources de contenu lors de l'indexation.

#### Les sources de données indexables

En cliquant sur "New Content Source", nous choisissons dans un premier temps le type de contenu que nous souhaitons ajouter.

On trouve les types de contenu suivant :

- Web Sites
- File Shares
- SharePoint Sites
- Exchange Public Folders
- Business Data

Nous verrons dans cet article les quatre premiers choix qui sont les plus standards.

#### Web Sites

On doit donner le nom et les paramètres de ce contenu. On doit définir l'adresse du site et le ciblage des données en choisissant l'indexation des autres adresses provenant de ce site.

🖉 Add Content Source - Windows In	ernet Explorer		
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Name Type a na	me to describe this content source.	Name: * ASP-PHP Web Site	-
Content Select wh Note: This created so	Source Type It type of content will be crawled. cannot be changed after this content source is ce other settings depend on it.	Select the type of content to be crawled: C SharePoint Sites Web Sites C File Shares C Exchange Public Folders C Business Data	
Start Ad Type the U crawing. This includ entire web	dresses IRLs from which the search system should start es any content, from a single web page to an site.	Type start addresses below (one per line): *  http://www.asp-php.net  Examples: http://example.microsoft.com/my_page.htm, or http://example.microsoft.com/	2
Crawl Se Specify th Page dept Inks, start Server ho a site/pag	ttings e behavior for crawling this type of content. In specifies how far to follow each series of ing from each link in the content source. In soccur when a link from on Web site leads to e on another server.	Select crawling behavior for all start addresses in this content source: Conly crawl within the server of each start address Conly crawl the first page of each start address Custom - specify page depth and server hops: Limit Page Depth Unlimited Limit Server Hops Unlimited	
Crawl Sc Select the	hedules crawl schedules for this content source.	Select the schedule that this should be a part of: Full Crawl None	
		Local intranet	100% • //

On peut paramétrer l'automatisation de l'indexation et lancer celle-ci. On voit ensuite dans la colonne status l'état du serveur d'indexation sur chaque source.

Manage Content Sou	rces - Windows Internet Explorer	in an			
🔾 🗣 🙋 http://n	nossdevsrv:2008/ssp/admin/Jayouts/ListContentSour	ces-aspx 💌	😽 🗙 🗤e S	earch	P -
🖌 🐼 🏾 🍎 Manage Co	ntent Sources		<b>∆</b> • 6	🛛 - 📾 - 📴 Bage - 🌀	Tools •
hared Services Administrat	tion: SharedServices1	Welcome MOSS	DEVSRV\administra	tor •   My Site   My Links	• 1 😡 🛛
💕 Shared Serv	ices Administration: SharedServ	rices1			
Home				Site Act	ions -
	Shared Services Administration: SharedSe Manage Content Source	rvices1 > Searc es	th Settings > Co	ntent Sources	
View All Site Content					
Back to Central	Use this page to add, edit, or delete content sour	ces, and to manag	ge crawls.		
Back to Central Administration Shared Services	Use this page to add, edit, or delete content sour	ces, and to mana;	ge crawls.		
Back to Central Administration Shared Services Administration	Use this page to add, edit, or delete content sour	ces, and to mana; Status	ge crawls. Next Full Crawl	Next Incremental Crawl	
Back to Central Administration Shared Services Administration • SharedServices1	Use this page to add, edit, or delete content sour Wew Content Source   Refresh Type Name Local Office SharePoint Server sites	ces, and to mana; Status Idle	pe crawls. Next Full Crawl None	Next Incremental Crawl None	
Back to Central Administration Shared Services Administration • SharedServices1	Use this page to add, edit, or delete content sour Wew Content Source   Refresh Type Name Local Office SharePoint Server sites ASP-PHP Web Site	ces, and to manag Status Ide Crawing Full	pe crawls. Next Full Crawl None None	Next Incremental Crawl None None	
Back to Central Administration Shared Services Administration • SharedServices1 © Recycle Bin Start all crawls	Use this page to add, edit, or delete content sour Wew Content Source   Refresh Type Name Local Office SharePoint Server sites ASP-AHP Web Site	Status Ide Crawing Full	next Full Crawl None None	Next Incremental Crawl None None	
Back to Central Administration Shared Services Administration • SharedServices1 • Recycle Bin Start all crawls Stop all crawls	Use this page to add, edit, or delete content sour Wew Content Source   Refresh Type Name Local Office SharePoint Server sites ASP-ANP Web Site	ces, and to manage Status Ide Crawling Pull	ye crawls. Next Full Crawl None None	Next Incremental Crawl None None	
Back to Central Administration Shared Services Administration • SharedServices1 © Recycle Bin Start all crawls Stop all crawls Resome all crawls	Use this page to add, edit, or delete content sour Wew Content Source ( Refresh Type Name Local Office SharePoint Server sites ASP-PHP Web Site	Status Ide Crawing Ful	pe crawls. Next Full Crawl None None	Next Incremental Crawl None None	

On peut donc tester la recherche pour cette source de contenu dans notre site MOSS.

🖉 Search Results: sharepoint sgl - Windows Internet Explorer		_ <u>_     ×</u>
🚱 🕒 👻 http://mossdevsrv/searchcenter/Pages/results.aspx?li=sharepoint%i20sql 📃 🛃	K Live Search	ρ-
🚖 🔅 🏉 Search Resultsi sharepoint sqi	🔄 • 🔂 • 👼 • 🕑 Bage •	🕜 Tools +
http://www.asp-php.net/redaction.php - Didler YVER MVP		
SharePoint et les Delegates Controls - Comment Intégrer un User Control dans SharePoint - ASP- PHP.net Comment intégrer un User Control dans SharePoint Cet article va donc expliquer comment intégrer un User Control dans une page ASPX de SharePoint SharePoint et les Delegates Controls - Comment intégrer un User Control dans SharePoint		
http://www.asp.php.net/tutorial/asp.net/sharepoint-delegate-controls.php - Didier YVER.MVP		
Elses KPI dans SharePoint - Les Key Performance Indicators dans MOSS - ASP-PHP.net Les KPI dans SharePoint Indicator using data in SQL Server 2005 Analysis Services SharePoint et les Delegates Controls - Comment indiger un User Control dans SharePoint		
http://www.asp-php.net/tutorial/asp.net/sharepoint-kpi.php - Didler YVER MVP (View duplicates)		
Myrer SharePoint sous SQL Server 2005 - Part 1 - Myrer une installation SharePoint sous SQL 2005 - ASP-PHP.net     Myrer SharePoint sous SQL Server 2005 - Part 1 (1/4) La migration de SharePoint 2003 sous SQL Server 2005     Installer Windows SharePoint Service avec SQL Server (PR)		
http://www.asp-php.net/butorial/sql-server/sharepointsql2005.php - Dider YVER MVP [View.dupkcates]		
A propos - De quoi parle-t-on sur ce site 7 - ASP-PHP.net SharePoint et les Delegates Controls - Comment intégrer un User Control dans SharePoint Dans l'article précédent, nous avons vu comment effectuer une migration de Windows SharePoint Dans de nombreux cas on souhaite pouvoir ouvrir un accès sur son servier SharePoint à des		
http://www.asp-php.net/a_propos.php - Didler YVER MVP		
(a) La double authentification dans SharePoint 2007 - Authentification NT et Forms sur un même site - ASP-PHP.net Création du site Intranet SharePoint en place un site SharePoint dont les comptes (login, groupes, password,) sont stockés dans une SharePoint et les Delegates Controls - Comment Intégrer un less Control dans SharePoint et les Delegates Controls - Comment Intégrer un less Control dans SharePoint et les Delegates Controls - Comment Intégrer un less		
http://www.asp.php.net/tutorial/asp.net/sharepoint-double-authentication.php - Didler YVER MVP		
23 1 2 3 4 5 Next>	2	
	Local intranet	1,100% -

Voyons les serveurs de fichiers.

#### **File Shares**

Les File Shares sont des serveurs de fichiers sur lesquels on crée des partages accessibles aux utilisateurs du domaine. Ces partages sont souvent montés sur les postes utilisateurs par des lettres (Z:\, U:\, ...) afin que ceux-ci puissent y stocker leurs fichiers sans se préoccuper de la gestion réseau en arrière plan. Cette présentation faite, nous allons simuler ce File Share pour notre exemple par un partage simple sur le serveur local :

• \\MOSSDEVSRV\FileShareSample\



On peut alors ajouter cette nouvelle source de contenu dans les sources à indexer.

🌽 Add Conte	it Source - Windows Internet Explorer	
60.	http://www.execute.com/comments/addcontents/comments/comments/comments/comments/comments/comments/comments/comments/comments/comments/comments/comments/comments/comments/comments/comments/comments/comments/comments/comments/comments/comments/comments/comments/comments/comments/comments/comments/comments/comments/comments/comments/comments/comments/comments/comments/comments/comments/comments/comments/comments/comments/comments/comments/comments/comments/comments/comments/comments/comments/comments/comments/comments/comments/comments/comments/comments/comments/comments/comments/comments/comments/comments/comments/comments/comments/comments/comments/comments/comments/comments/comments/comments/comments/comments/comments/comments/comments/comments/comments/comments/comments/comments/comments/comments/comments/comments/comments/comments/comments/comments/comments/comments/comments/comments/comments/comments/comments/comments/comments/comments/com	💌 😽 🗙 Uve Search 🖉 •
* * *	Add Content Source	🏠 • 🔝 - 🖶 • 🔂 Page • 🎯 Tgols • 🎽
	Name Type a name to describe this content source. Content Source Type Select what type of content will be crawled. Note: This cannot be changed after this content source is created sinc offer settings depend on it.	Name: * File Share Sample Select the type of content to be crawled: C SharePoint Sites C Web Sites F We Shares C Exchange Public Polders C Business Data
	Start Addresses Type the URLs from which the search system should start crawling. This includes contents of a file share, such as documents and other file	Type start addresses below (one per line): *  VMOSSDEVSRV/FileShareSample  ss  ss  Examples: Varver/directory, or  file://server/directory
	Crawl Settings Specify the behavior for crawling this type of content. Choose which folders to include in the crawl.	Select crawling behavior for all start addresses in this content source: The fisiter and all subfolders of each start address C The fisiter of each start address only
	Crawl Schedules Select the crawl schedules for this content source.	Select the schedule that this should be a part of: Full Crawl None Create schedule Incremental Crawl None Create schedule
	Start Full Crawl	Start full crawl of this content source
		Local intranet

Nous pouvons alors lancer l'indexation de cette nouvelle source

🔗 🧑 Manage C	ontent Sources		କ	* 🔝 * 👘 * 🔂 Bage * 🔇	Tools
ared Services Administr	ation: SharedServices1	Welcome	MOSSOEVSRV/admini	strator 🔹   My Site   My Links	• 1 🖲
💕 Shared Ser	vices Administration: SharedServi	ces1			
Home				Site Act	sons =
	Shared Services Administration: SharedServ	lices1 > Search Set	tings > Content So	purces	
	Manage Content Source	s			
View All Site Content					
Back to Central	Use this page to add, edit, or delete content source	es, and to manage craw	ls.		
Administration	- New Content Source   3 Refresh				
Administration	Type Name	Status	Next Full Crawl	Next Incremental Cranf	22
SharedServices 1	Local Office SharePoint Server sites	Ide	None	None	
🔟 Recycle Bin	ASP PHP Web Site	Ide	None	None	
Start all crawls	🗧 🤌 File Share Sample	Crawing Full	None	None	
Stop all crawls					
Resume all crawls					
Pause all crawls	ALC: NOT THE REPORT OF THE REPORT				

On peut alors tester une recherche sur un des fichiers stockés dans ce share.

🖉 Search Results: webcast - Windows Internet Explorer	
🚱 🕤 💌 👔 http://mossdevsrv/searchcenter/Pages/results.aspx?k=webcast 💽 🛃	X Live Search
😭 🐼 🍯 Search Results: webcast	🚰 + 🔯 + 🌐 + 🔂 Bage + 🎯 Tgols +
Portail MOSS Welcome MOSSDEV	/SRV'yvssadmin 🔹   My Site   My Links 🔹   👹 🔺
💕 Search	
Portal MOSS Document Center News  Reports Search Sites	Site Actions *
Al Sites People	
webcast P Advanced Search	
Results 1-4 of 4. Your search took 0.16 seconds.            Bienvenue         Comment or der um nouvelle instance SQL Server 2005 7Administration Configuration Démo Ressources SQL         Server 200 file://mossdewav/filesharesample/exemple de présentation is en français)         http://www.pour webcast.pptx         fe://inossdewav/filesharesample/exemple de présentation pour webcast.pptx - 246 - Patrick Guimonet -         8[22/2007             Bienvenue           En de la comment or de VS.NET et SQL Server 2005 à Lyon - Lancement Technique de SQL         Server et VS.NET 2005 - ASP-PHP.net	
Wer duplcates     Rechercher sur ASP-PHP.net ASP-PHP.net     Un webcast, Cest quoi	
file://mossdevsrvifilesharesample/exemple%20de%20présentation%20pour%20webcast.p	S Local intranet

Nous devons voir maintenant la recherche sur un autre site SharePoint (WSS, SPS ou MOSS)

#### **SharePoint Sites**

Les sources "SharePoint Sites" sont utiles pour indexer des données provenant de fermes SharePoint distantes ou sous d'anciennes versions.

Ainsi, on peut très bien imaginer d'indexer des données stockées dans des fermes SPS 2003 ou WSS V2 afin de fournir les résultats dans le site MOSS.

Ceci peut être nécessaire pour des fermes qui ne peuvent pas être migrées, ou dans le cas des sites WSS intégrés à des produits tiers (par exemple Project Server 2003 ou Team Foundation Server).

L'ajout de ce type de source est très simple puisqu'il suffit d'ajouter les adresses de ces sites dans la source.

Add Content Source - V	Vindows Internet Explorer	
🕽 🕥 🔹 🙋 http://mo	ssdevsrv:2000/ssp/admin/_Jayouts/addcontentsource.aspx	💌 🐓 🗶 Uve Search 🔰
r 🔅 🌈 Add Content	Source	💁 • 🖾 - 🖶 • 🔂 Eage • 🎯 Tgols
	Type a name to describe this content source. <b>Content Source Type</b> Select what type of content will be crawled. Note: This cannot be changed after this content source is created since other settings depend on it.	SharePointSite2003 Select the type of content to be crawled:   SharePoint Sites  SharePoint Sites  File Shares  Shares  Shares  C Exchange Public Folders  C Business Data
	Start Addresses Type the URLs from which the search system should start crawling. This includes all Office SharePoint Server sites and Windows SharePoint Services sites.	Type start addresses below (one per line): * http://SiteWSSProject/ http://SiteWSSTeamFoundation/ http://SiteSPS2003/  Example: http://intranetsite
	Crawl Settings Specify the behavior for crawling this type of content. Selecting to crawl everything under the hostname will also crawl all the SharePoint Sites in the server.	Select or awing behavior for all start addresses in this content source: Crawl everything under the hostname for each start address C grawl only the SharePoint Site of each start address
	Crawl Schedules Select the crawl schedules for this content source.	Select the schedule that this should be a part of: Pull Crami None Create schedule Incremental Crawi None Create schedule
	Start Full Crawl	Start 64 crawl of this content on rea

Nous pouvons alors indexer ces sources.



Voyons enfin les dossiers publics des serveurs Exchange.

#### **Exchange Public Folders**

Bien que Microsoft ait enfin décidé d'abandonner les dossiers publics d'Exchange Server, il reste beaucoup de cas où ceux-ci sont utilisés et indispensables.

MOSS permet donc de référencer dans son moteur de recherche afin de permettre aux utilisateurs d'accéder à ces données au travers de ce moteur de recherche. L'ajout de cette source est aussi simple que celle des sites SharePoint, il suffit d'ajouter l'adresse http de ce dossier public :

• http://exchangeserver/public/folder/subfolder

Id Content Source - V	Vindows Internet Explorer	
🕑 🔹 🙋 http://mo	ssdevsrv:2008/ssp/admin/_Jayouts/adidcontentsource.aspx	💌 🤧 🗙 Uve Search
🔅 🔏 Add Content	Source	🏠 + 🔝 - 🖶 + 📴 Bage + 🎯 Ts
	Name	Nome: *
	Type a name to describe this content source.	ExemplePublicFolder
	Content Source Type	Select the type of content to be crawled:
	Select what type of content will be crawled.	C CharaDrint Char
	Note: This cannot be changed after this content source is created	C Web Sites
	since other settings depend on it.	C Ele Shares
		Exchange Public Folders
		C Business Data
	Start Addresses	Type start addresses below (one per line): *
	Type the URLs from which the search system should start crawling.	http://exchangeserver/public/folder/subfolder
		Example: http://exchangeserver.jpublic/folder/subfolder
	Crawl Settings	Select crawling behavior for all start addresses in this content
	Specify the behavior for crawling this type of content.	source:
	Choose which folders to include in the crawl.	The folder and all subfolders of each start address
		C The folder of each start address only
	Crawl Schedules	Select the schedule that this should be a part of:
	Select the crawl schedules for this content source.	Full Crawl
		None
		Create schedule
		Incremental Crawl
		None
		Create schedule
	Start Full Crawl	Start full crawl of this content source
	Select "Start full crawl of this content source" and click "OK" to	

On peut alors indexer les donner de ce dossier.

Manage Content Sou	rces - Wind	lows Internet Explorer				_10
🔊 🔹 🙋 http://	nossdevsrvi	2008/ssp(admin/_Jayouts/ListContentSources.	asp:/	💌 😽 🗙 🛛	ive Search	P
🐼 🔏 Manage Ci	ontent Sourc	5 02 02 02 02 02 02 02 02 02 02 02 02 02		er ter e e 🔂	• 🖾 • 🖶 • 🕞 Bage • 🤅	) Tools +
ared Services Admenistra	ition: Shared	Services1	Welcome	MOSSDEVSRV/admin	istrator 🔹   My Site   My Links	•   😡
Shared Serv	vices Ad	ministration: SharedServic	es1			
lome					Site Ac	hous T.
	Shared	Services Administration: SharedServic	es1 > Search Set	tings > Content S	ources	
	Mar	hage Content Sources	5			
ew All Site Content						
ick to Central	Use th	s page to add, edit, or delete content sources	, and to manage crav	vie.		
Iministration	un Ne	w Content Source   🛃 Refresh				11722
lared Services	Type	Name	Statui	Next Full Grawl	Next Incremental Orawl	
haredServices 1	<b>55</b>	Local Office SharePoint Server sites	Idle	None	None	
Recycle Bin		ASP-PHP Web Site	Ide	None	None	555
art all crauds	-	File Share Sample	Idie	None	None	
op all crawls	<b>11</b>	SharePointSite 2003	Ide	None	None	888
sume all crawls	1	ExemplePublicFolder	Crawing Full	None	None	
use all crawls	1					
/mossdevsrv 2008/ss	oladmini lav	outsilistContentSources.espx#			Local intranet	100% •

Les utilisateurs peuvent alors rechercher des donner parmi toutes ces données indexées.

#### **Remarques importantes**

# Les statistiques

MOSS permet d'avoir des statistiques simples mais utiles sur l'utilisation de ce moteur de recherche. Vous trouverez le lien vers ces rapports dans l'interface d'administration du service partagé.



Vous pouvez alors avoir des informations sur l'utilisation du moteur de recherche avec le nombre par jour, les mots les plus recherchés, les sites les plus utilisés pour ces recherches, ...



Cela permet de vous donner des informations sur l'utilisation de ce moteur de recherche et de pouvoir optimiser votre ferme.

#### La volumétrie

La bonne estimation de la volumétrie est essentielle dans la mise en place du moteur de recherche et son fonctionnement. En effet, l'indexation des documents va créer des fichiers d'indexation qui peuvent représenter jusqu'à 20 % de la documentation indexée.

Ces fichiers sont situés dans le répertoire spécifié lors de sa mise en place :

• C:\Program Files\Microsoft Office Servers\12.0\Data\Office Server\Applications\

🗁 C:\Program Files\Microsoft O	ffice Servers\12.	0\Data\Office Serv	ver\Applications\e8b2d	03f-5867-40 📃 🗖 🗙
Ele Edit View Favorites Io	ols <u>H</u> elp			<b></b>
🔾 Back 🔹 🕥 🕘 🤣 🔎 Search	h 🌔 Folders 🛛 🕅	s 💿 🗙 🗐 🖪	- 😥 Folder Sync	
Address Cultures ElectiMisson	oft Office Serverel	2 filDatalOffice Seru	or Application of a Sh 2 di 26 s	967.40h9 - 📉 🔼 Go
Aguress C: (Program Piles (Pilcros	on once servers ()	-	er (Applications (eob2005r-5	007-4000
Name	Size 🔻	Туре	Date Modified	Attributes A
00010010.ci	3,308 KB	CIFIE	9/17/2007 7:55 PM	A
INDEX.002	64 KB	002 File	9/17/2007 10:41 PM	A
INDEX.001	64 KB	001 File	9/17/2007 10:41 PM	A
CIQR0000.002	64 KB	002 File	9/17/2007 11:10 PM	A
CIQR0000.001	64 KB	001 File	9/17/2007 11:10 PM	A
CiDL0000.002	64 KB	002 File	9/17/2007 11:10 PM	A
CiDL0000.001	64 KB	001 File	9/17/2007 11:10 PM	A
CIAD0002.002	64 KB	002 File	9/17/2007 7:55 PM	A
CIAD0002.001	64 KB	001 File	9/17/2007 7:55 PM	A
CIAB0002.002	64 KB	002 File	9/17/2007 7:55 PM	A
CIAB0002.001	64 KB	001 File	9/17/2007 7:55 PM	A
GIAB0001.002	64 KB	002 File	9/17/2007 7:50 PM	A
CiAB0001.001	64 KB	001 File	9/17/2007 7:55 PM	A
00010010.wsb	64 KB	WSB File	9/17/2007 10:40 PM	A
00010010.wid	64 KB	WID File	9/17/2007 10:40 PM	A
00010006.wid	64 KB	WID File	9/17/2007 10:41 PM	A
00010005.wid	64 KB	WID File	9/17/2007 10:41 PM	A
00010004.wid	64 KB	WID File	9/17/2007 10:41 PM	A
00010003.wid	64 KB	WID File	9/17/2007 10:41 PM	A
00010002.wid	64 KB	WID File	9/17/2007 10:41 PM	A
🔟 00010001.wid	64 KB	WID File	9/17/2007 10:40 PM	A
S NLGINDEXLEXICON.LEX	61 KB	Dictionary File	9/17/2007 7:55 PM	A
📼 00010010.dir	16 KB	DIR File	9/17/2007 7:55 PM	A
🔟 00010006.ci	16 KB	CI File	9/17/2007 10:41 PM	A
🗾 00010005.ci	16 KB	CI File	9/17/2007 10:41 PM	A
🔟 00010010.bsi	8 KB	BSI File	9/17/2007 7:55 PM	A
🔤 00010010.bsd	4 KB	BSD File	9/17/2007 7:55 PM	A
🔟 00010010.00000007.csi	4 KB	CSI File	9/17/2007 7:55 PM	A
🔟 00010010.00000007.csd	4 KB	CSD File	9/17/2007 7:55 PM	A
🔟 00010006.dir	4 KB	DIR File	9/17/2007 10:41 PM	A
🚾 00010006.bsi	4 KB	BSI File	9/17/2007 10:41 PM	A
🖬 00010006.bsd	4 KB	BSD File	9/17/2007 10:41 PM	A
🔟 00010006.00000007.csi	4 KB	CSI File	9/17/2007 10:41 PM	A 🗾
71 objects			4.73 MB 🔡 M	ly Computer

Il faut donc bien calculer la taille éventuelle de ces fichiers afin de prévoir son stockage sur le serveur, dans notre cas, la partition "C:\" est un très mauvais choix, car par son augmentation l'indexation risque de bloquer tout le système.

On obtient la taille de cet index en cliquant, dans la rubrique "Application Management" de la centrale Admin, sur le lien "Manage search service".

		D (0) (0) (0) (0) (0) (0) (0) (0) (0) (0)	
Or Manage Se	arch Service	🗐 • 🖾 · 🚳 • 🗗 Bada • 🖗	\$ 2508 +
Configuration ! Not Complete	Farm-Level Search Settings		
administrator task lat for more information	Proxy server used:	None	
w All Site Content	Contact email address:	MOSSSearch@iem.ch	
ntral ministration	Crawler impact rules:	0 defined	
Operations optication famagement	Farm-level search settings     Crawler impact rules		
ared Services ministration	Query and Index Servers		
haredServices 1			
Recycle Bin	Server name:	MOSSDEVSRV	
	Search service:	Office SharePoint Server Search Indexing and Query	
	Remaining disk space:	C: 365MB	
	SSPs hosted:	SharedServices1	
	W All servers in this farm		
	Shared Service Providers with Search Enabled		
	1.4		
	SSP name:	SharedServices1	
	Crewing Status:	Ide	
	Items in index:	1016	
	Propagation status:	Propagation not required	

Vous pouvez mettre en place un moteur de recherche d'entreprise dans votre ferme.

#### Conclusion

Le moteur de recherche de SharePoint fait bien plus que la simple recherche dans les documents des sites de la ferme. Il permet surtout de mettre en place une recherche globale au niveau de l'entreprise et de toutes les sources documentaires possibles.

L'utilisation du Business Data Catalog et de la recherche sur ce contenu permet d'aller encore plus loin dans la globalisation de cette recherche pour les collaborateurs.

On peut encore ajouter des modules afin d'agrémenter la finesse de recherche et les résultats obtenus. Un de ceux-ci est fourni par :

#### • Ontolica for MOSS 2007

Vous pouvez d'ailleurs utiliser la version gratuite (mais limitée) de "Ontolica Wildcard for MOSS 2007".

Voici quelques liens utiles si cet article vous a intéressé :

- Nouveautés de MOSS Recherche dans MOSS 2007
- 6 Présentations autour de la recherche avec MOSS
- SQL Server (et autres) : iFilter pour le PDF en 64 bits
- Searching .pdf Files
- IFilter for Compressed (zipped) files
- Mike Taghizadeh's Blog Covering MOSS 2007 Search Capabilities
- Technologies Microsoft de Recherche pour l'Entreprise
- Installer Microsoft Office SharePoint Server (MOSS) Partie 1 (FR)
- Le Moteur de Recherche de WSS V3 (FR)
- Office Online
- Club SPS MOSS FRANCE(FR)

En vous souhaitant de bons projets de développement.

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