Appendix A - SharePoint Report Tool (SPReport)

SPReport is a command-line tool developed by a project manager in the SharePoint product group to gather detailed statistics about the number of SharePoint sites, the number and types of lists created in each site, and the number and types of documents stored in a SharePoint server farm. SPReport was originally used by Microsoft IT and selected Microsoft customers to gather statistical data of interest to the SharePoint Product group. Microsoft has since made the SPReport source code available as a community-supported tool on the GotDotNet .NET Framework Community Web site at
http://workspaces.gotdotnet.com/spreports.

The report data is can be saved to an Extensible Markup Language (XML) file and optionally formatted as more readable Hypertext Markup Language (HTML) report.

Background

SPReport is a command-line tool developed by the SharePoint product group to help Microsoft IT gather detailed statistics about the number of SharePoint sites created in a server farm, the number and types of lists created in each site, and the number and types of documents stored in each SharePoint document library.

Technical Support

Technical support for SPReport is the community-based support available on GotDotNet Web site. No formal support for SPReport is available from Microsoft Customer Support Services.

Using SPReport

SPReport is a command-line utility that gathers metrics about a site and its subsites, the document library and other lists in each site, and the documents in each document library.

SPReport uses the SharePoint object model to retrieve information about the current configuration and hence, the tool needs to be run locally from a SharePoint Web front-end server. The current version of SPReport cannot be run remotely.

Table 1 describes how to use SPReport and the command line options it supports.

Table 1. SPReport command line options

```
SPReport -g | -v <virtualserver> | -s <site> [-f <filename>] [-e]

Operations and Parameters:

 -g Report for all sites on this farm.

 -v Report for all sites on this virtual server.

 -s Report for this site and all sites underneath it.

 -f Output to this file name prefix - default is sprOut.

 -e Exclude subsites from reporting.

 -p Privacy mode - do not record URLs in output.

 -t Test mode - include unused lists and sites in data reporting.

 -n Number of threads to use - default is 5

 -x Uses an existing xml and xsl file to create a new htm.

 -m Merge results from several reports into one.
```

The following table is a list of SPReport command line examples.

Table 2. SPReport command line examples

Command line	Description
`SPReport -v http:/myvs`	Gather metrics and report on all of the sites on the virtual sever myvs
`SPReport -s http://mysrv/site`	Gather metrics and report on this site and all subsites beneath it
`SPReport -g -f fileName`	Gather metrics and report on all sites on the local server
`SPReport -x -f fileName`	Generate a new HTML report using the existing SPReport XML data and XSL transform files

`SPReport -m`
`   sprOut1.xml;sprOut2.xml;sp`
`   rOut3.xml -f sprOutMerge`
	Merge several SPReport XML data files together to create a single file called sprOutMerge.xml

SPReport Sample Statistics

The following tables are samples of the statistics gathered by SPReport. SPReport summarizes the SharePoint statistics at following levels of detail: virtual server, SharePoint site type, SharePoint list type, and document type.

Table 3. Summary of all Site Types sample statistics

SharePoint Reports Summary

Host Name: PSN-W23-012C, teamsites.contoso.ca

Report Date/Time: 10/8/2004 2:52:50 PM

Version: 7_13_2004

Total Site Collections Scanned: 5

Summary of all Site Types

Total Number of In-Use Sites: 8

Total Number of Unused Sites: 15

Percent Large (250MB+): 0%

Percent Medium (5-250MB): 0%

Percent Small (5MB-): 100%

Percent Frequently Visited (100+ visits per day): 0%

Percent Rarely Visited (< 1 visit per day): 50%

Percent Increasing in Popularity: 100%

Percent Decreasing in Popularity: 0%

Average Number of Visits per Site (in the past Month): 34

Percent of Visits made to the Home Page: 32%

Percent with a Customized (Unghosted) Home Page: 0%

Percent that are Top-Level Sites: 50%

Total Number of In-Use Lists: 12

Percent of In-Use Lists that are Stale: 17%

Total Number of Unused Lists: 41

Total Size: 1MB

Average Size of a Site: 0MB

Average Number of In-Use Lists per Site: 2

Average Number of Unused Lists per Site: 5

Average Number of Items per Site: 15

Average Number of Alerts per Site: 0

Average Number of Users per Site: 2

Average Number of Domain Groups per Site: 0

Average Number of Cross-Site Groups per Site Collection: 0

Average Number of Readers (User) per Site: 0

Average Number of Readers (Domain Group) per Site: 0

Average Number of Contributors (User) per Site: 1

Average Number of Contributors (Domain Group) per Site: 0

Average Number of Web Designers (User) per Site: 0

Average Number of Web Designers (Domain Group) per Site: 0

Average Number of Administrators (User) per Site: 1

Average Number of Administrators (Domain Group) per Site: 0

Portal Personal Site Quick Links

Average Number of Quick Links per Site: 1

Percent of Quick Links that are Public: 0%

Most Visited (92 visits)

Table 4. Site Type sample statistics

Site Type: Team Site
Percent of all Site Types: 38%
Percent of all Site Visits: 78%
Total Number of In-Use Sites: 3
Total Number of Unused Sites: 2
Percent Large (250MB+): 0%
Percent Medium (5-250MB): 0%
Percent Small (5MB-): 100%
Percent Frequently Visited (100+ visits per day): 0%
Percent Rarely Visited (< 1 visit per day): 0%
Percent Increasing in Popularity: 100%
Percent Decreasing in Popularity: 0%
Average Number of Visits per Site (in the past Month): 69
Percent of Visits made to the Home Page: 30%
Percent with a Customized (Unghosted) Home Page: 0%
Percent that are Top-Level Sites: 100%
Total Number of In-Use Lists: 8
Percent of In-Use Lists that are Stale: 25%
Total Number of Unused Lists: 22
Total Size: 1MB
Average Size of a Site: 0MB
Average Number of In-Use Lists per Site: 3
Average Number of Unused Lists per Site: 7
Average Number of Items per Site: 20
Average Number of Alerts per Site: 0
Average Number of Users per Site: 2
Average Number of Domain Groups per Site: 0
Average Number of Cross-Site Groups per Site Collection: 0
Average Number of Readers (User) per Site: 0
Average Number of Readers (Domain Group) per Site: 0
Average Number of Contributors (User) per Site: 1
Average Number of Contributors (Domain Group) per Site: 0
Average Number of Web Designers (User) per Site: 0
Average Number of Web Designers (Domain Group) per Site: 0
Average Number of Administrators (User) per Site: 1
Average Number of Administrators (Domain Group) per Site: 0
Most Visited (92 visits)

Table 5. Summary of all List Types sample statistics

Total Number In-Use: 12
Percent Stale: 17%

Total Number Unused: 41

Total Number Large (500+ items): 0

Total Number Medium (25-500 items): 2

Total Number Small (25- items): 10

Average Number of Items: 10

Average Number of Custom Views: 1

Average Number of Custom Properties: 26

Average Number of Custom Required Properties: 7

Maximum Number of Custom Properties: 33

Total Custom Properties (Single-Line Text): 77

Total Custom Properties (Multi-Line Text): -2

Total Custom Properties (URL): -2

Total Custom Properties (Choice): 0

Total Custom Properties (Multiselect Choice): 4

Total Custom Properties (Ratings/Matrix): 0

Total Custom Properties (Boolean): 0

Total Custom Properties (Number): 0

Total Custom Properties (Currency): 0

Total Custom Properties (Date/Time): 1

Total Custom Properties (Calculated): 0

Total Custom Properties (Lookup): 0

Total Custom Properties (User): 0

Total Customized (Unghosted) View Pages: 0

Total Customized (Unghosted) Form Pages: 0

Percent with Custom Views: 42%

Percent with Custom Properties: 25%

Percent with Moderation: 0%

Average number of Visits per List: 13

Percent of Visits made to View Pages: 47%

Percent of Visits made to Form Pages: 15%

Percent of Visits made to Documents in the List: 37%

Most Visited (31 visits)

Table 6. Single List Type sample statistics

List Type: DocumentLibrary

Percent of all Lists: 15%

Percent of all In-Use Lists: 42%

Percent of all List Visits: 46%

Total Number In-Use: 5

Percent Stale: 0%

Total Number Unused: 3

Total Number Large (500+ items): 0

Total Number Medium (25-500 items): 0

Total Number Small (25- items): 5

Average Number of Items: 12

Average Number of Custom Views: 1

Average Number of Custom Properties: 12

Average Number of Custom Required Properties: 12

Maximum Number of Custom Properties: 12

Total Custom Properties (Single-Line Text): 11

Total Custom Properties (Multi-Line Text): 0

Total Custom Properties (URL): 0

Total Custom Properties (Choice): 0

Total Custom Properties (Multiselect Choice): 0

Total Custom Properties (Ratings/Matrix): 0

Total Custom Properties (Boolean): 0

Total Custom Properties (Number): 0

Total Custom Properties (Currency): 0

Total Custom Properties (Date/Time): 1

Total Custom Properties (Calculated): 0

Total Custom Properties (Lookup): 0

Total Custom Properties (User): 0

Total Customized (Unghosted) View Pages: 0

Total Customized (Unghosted) Form Pages: 0

Percent with Custom Views: 60%

Percent with Custom Properties: 20%

Percent with Moderation: 0%

Average number of Visits per List: 14

Percent of Visits made to View Pages: 22%

Percent of Visits made to Form Pages: 0%

Percent of Visits made to Documents in the List: 78%

Percent with Versioning: 0%

Average Size: 195KB

Percent of size taken up with Old Versions: 0%

Most Visited (26 visits)

Table 7. Document type sample statistics

Document Type: .doc

Total Documents: 6

Average number in Version History: 0

Average Size: 12KB

Average number of Visits per Document: 1

Percent of all Documents: 10%

Percent of all Document Visits: 7%

Most Visited (1 visits)