

Site object	Guidelines for acceptable performance	Notes	Scope of impact when performance degrades
Site collection	50,000 per Web application	Total farm throughput degrades as the number of site collections increases.	Farm
Web site	250,000 per site collection	You can create a very large total number of Web sites by nesting the subsites. For example, 100 sites, each with 1000 subsites, is 100,000 Web sites. The maximum recommended number of sites and subsites is 125 sites with 2,000 subsites each, for a total of 250,000 sites.	Site collection
Subsite	2,000 per Web site	The interface for enumerating subsites of a given Web site does not perform well as the number of subsites surpasses 2,000.	Site view
Document	5 million per library	You can create very large document libraries by nesting folders, using standard views and site hierarchy. This value may vary depending on how documents and folders are organized, and by the type and size of documents stored.	Library
Item	2,000 per view	Testing indicates a reduction in performance beyond two thousand items. Using indexing on a flat folder view can improve performance.	List view
Document file size	50MB (2GB max*)	File save performance is proportional to the size of the file. The default maximum is 50 MB. This maximum is enforced by the system, but you can change it to any value up to 2 GB.	Library, file save performance
List	2,000 per Web site	Testing indicates a reduction in list view performance beyond two thousand entries.	List view
Field type	256 per list	This is not a hard limit, but you might experience list view performance degradation as the number of field types in a list increases.	List view
Column	2,000 per document library 4,096 per list	This is not a hard limit, but you might experience library and list view performance degradation as the number of columns in a document library or list increases.	Library and list view
Web Part	50 per page	This figure is an estimate based on simple Web Parts. The complexity of the Web Parts dictates how many Web Parts can be used on a page before performance is affected.	Page

The following table lists the recommended guidelines for people objects.

People object	Guidelines for acceptable performance	Notes
Users in groups	2 million per Web site	You can add millions of people to your Web site by using Microsoft Windows security groups to manage security instead of using individual users.
User profile	5 million per farm	This number represents the number of profiles which can be imported from a directory service, such as Active Directory, into the people profile store.
Security principal	2,000 per Web site	The size of the access control list is limited to a few thousand security principals (users and groups in the Web site).

The following table lists the recommended guidelines for search objects.

Search object	Guidelines for acceptable performance	Notes
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Search indexes	One per SSP Maximum of 20 per farm	Office SharePoint Server 2007 supports one content index per SSP. Given that we recommend a maximum of 20 SSPs per farm, a maximum of 20 content indexes is supported. Note that an SSP can be associated with only one index server and one content index. However, an index server can be associated with multiple SSPs and have a content index for each SSP.
Indexed documents	50,000,000 per content index	Office SharePoint Server 2007 supports 50 million documents per index server. This could be divided up into multiple content indexes based on the number of SSPs associated with an index server.
Content sources	500 per SSP*	This is a hard limit enforced by the system.
Start Addresses	500 per content source*	This is a hard limit enforced by the system.
Alerts	1,000,000 per SSP	This is the tested limit.
Scopes	200 per site	This is a recommended limit per site. We recommend a maximum of 100 scope rules per scope.
Display groups	25 per site	These are used for a grouped display of scopes through the user interface.
Crawl rules	10,000 per SSP	We recommend a maximum 10,000 crawl rules irrespective of type.
Keywords	15,000 per site	We recommend a maximum of 10 Best Bets and five synonyms per keyword.
Crawled properties	500,000 per SSP	These are properties that are discovered during a crawl.
Managed properties	100,000 per SSP	These are properties used by the search system in queries. Crawled properties are mapped to managed properties. We recommend a maximum of 100 mappings per managed property.
Authoritative pages	200 per relevance level	This is the maximum number of sites in each of the four relevance levels.
Results removal	100	This is the maximum recommended number of URLs that should be removed from the system in one operation.
Crawl logs	50,000,000	Number of individual log entries in the crawl log.

The following table lists the recommended guidelines for logical architecture objects.

Logical architecture object	Guidelines for acceptable performance	Notes
Shared Services Provider (SSP)	3 per farm (20 per farm maximum)	
Zone	5* per farm	The number of zones defined for a farm is hard coded to 5.
Web application	99 per SSP	This limit includes the number of Web applications on child farms consuming resources on this SSP.
Internet Information Services (IIS) application pool	8 per Web server	Maximum number is determined by hardware capabilities.
Site collection	50,000 per Web application	
Content database	100 per Web application	
Site collection	50,000 per database	

The following table lists the recommended guidelines for physical objects.

Physical object	Guidelines for acceptable performance	Notes
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Index servers	1 per SSP*	
Application servers running Excel Calculation Services	No limit	
Query servers	No limit	Because 100 content databases are supported for each query server, the number of query servers required per farm is based on the number of content databases in the farm. For example, if there are 500 content databases in your farm, you will need at least 5 query servers.
Web server/database server ratio	8 Web servers per database server	The scale out factor is dependent upon the mix of operations.
Web server/domain controller ratio	3 Web servers per domain controller	Depending on how much authentication traffic is generated, your environment may support a greater number of Web servers per domain controller.