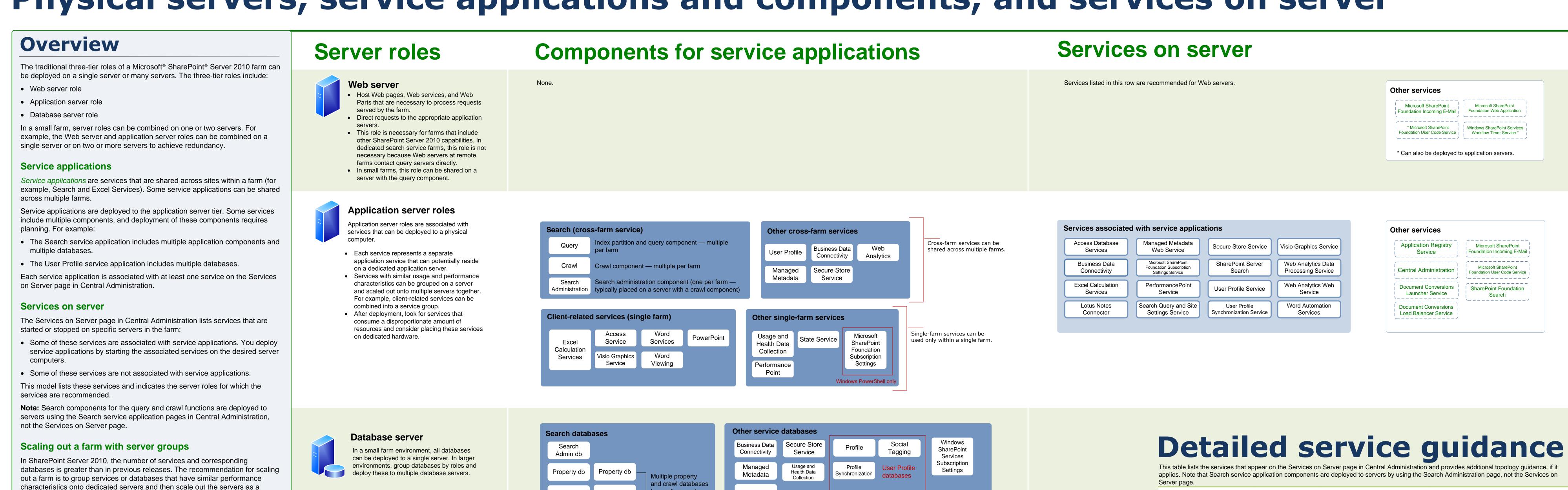
# **Topologies for SharePoint Server 2010**

# Physical servers, service applications and components, and services on server

for medium- and

large-sized farms.

Content



State Service

fultiple content databases, depending on the

olume of content and sizing goals for an

# Small to medium topology examples

#### **Limited deployments**

For example, group all client-related services onto one or two servers and then

add servers to this group as needed to satisfy user demand for these services. In some cases, you might need to create a dedicated server group for a single

This model groups service applications and related components (for example,

point. In large environments, the specific groups that evolve for a farm depend

**Note:** Server groups is a planning concept. This term and concept is not found

databases) into several different logical groupings that can be used as a starting

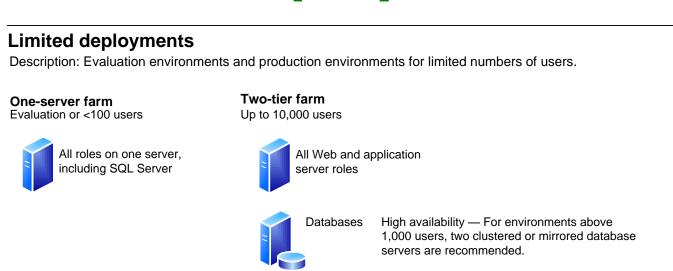
service, such as Excel Services or Search.

on the specific demands for each service.

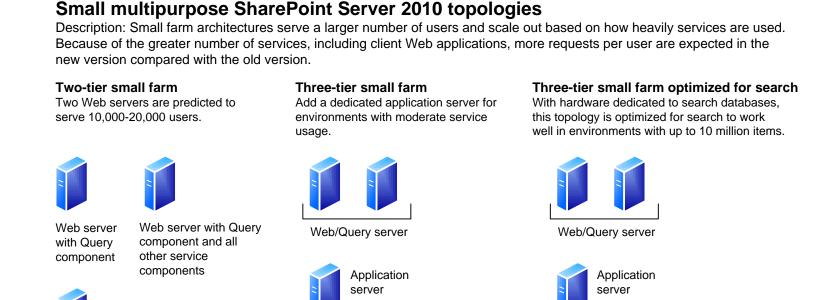
in Central Administration.

All SharePoint databases

group.



#### **Small farm topologies**



All SharePoint databases

All other SharePoint

databases

### **Medium farm architectures**

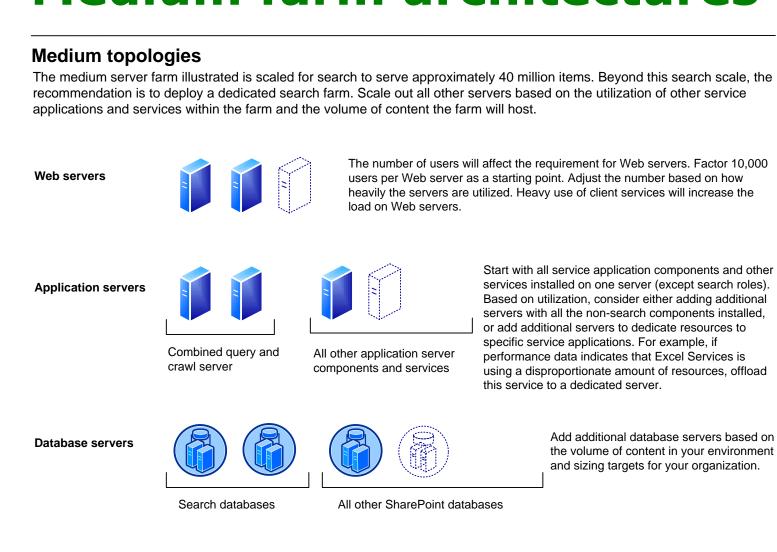
**Content databases** 

Content

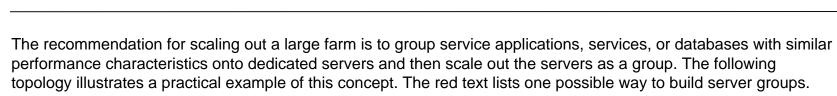
Content

Content

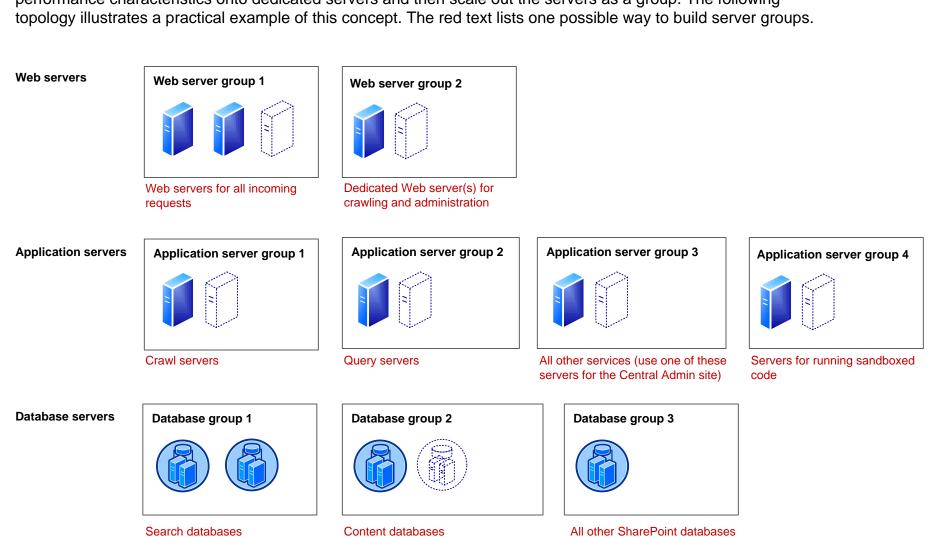
Content



## Large farm examples



**Topologies with server groups** 



#### Service **Server recommendation** Additional information Is this service associated with a service application? **Access Database Services** Application server Backward compatibility version of the Business Application Registry Service Application server Data Catalog service. **Business Data Connectivity** Application server **Central Administration** Application server This service runs the Central Administration site

<b>Document Conversions Launcher Service</b>	No	Application server	Schedules and initiates the document conversions on a server.
Document Conversions Load  Balancer Service	No	Application server	Balances document conversion requests from across the server farm. Each Web application can only have one load balancer registered with it at a time.
<b>Excel Calculation Services</b>	Yes	Application server	
<b>Lotus Notes Connector</b>	Yes — Search	Application server — Start this service on the index server.	This service is required to crawl content from Lotus Notes Domino Servers.
Managed Metadata Web Service	Yes	Application server	
Microsoft SharePoint Foundation Incoming E-Mail	No	Web server or application server	Typically, this service runs on a Web server. If you need to isolate this service, you can start it on an application server.
Microsoft SharePoint Foundation Subscription Settings Service	Yes Note: This service application is deployed only by using Windows PowerShell.	Web server or application server — In hosting environments, this service is typically started on one or more application servers.	Start this service if you have deployed service applications in multitenant mode or if the farm includes sites using site subscriptions. This service stores settings and configuration data for tenants in a multitenant environment. After it is started, Web applications consume this service automatically.
Microsoft SharePoint Foundation User Code Service	No	Web server or application server — Start this service on computers in the farm that run sandboxed code. This can include Web servers and application servers.	This service runs code deployed as part of a sandboxed solution in a remote, rights-restricted process and measures the server resources used during execution against a site collection-scoped, daily quota.
Microsoft SharePoint Foundation Web Application	No	Web server — Ensure that this service is started on all Web servers in a farm. Stop this service on application servers.	This service provides Web server functionality. It is started by default on Web servers.
Microsoft SharePoint Foundation Workflow Timer Service	No	Web server	This service is automatically configured to run on all Web servers in a farm.
PerformancePoint Service	Yes	Application server	
Search Query and Site Settings Service	Yes — Search	Application server — Start this service on all query servers in a farm. However, if it becomes memory intensive, consider moving this service to a dedicated computer to free up memory for query processing.	Load balances queries across query servers. Also detects farm-level changes to the search service and puts these in the Search Admin database.
Secure Store Service	Yes	Application server	
SharePoint Foundation Search	No	In a SharePoint Foundation farm, start this service on the search server. In a SharePoint Server farm, this service is only needed to search online Help. Start the service on any server in the farm.	This service provides search in a SharePoint Foundation farm. For SharePoint Server farms, this service is only used to search online Help. Start this service only on one computer.
<b>SharePoint Server Search</b>	Yes — Search	Automatically configured to run on the appropriate computers.	This service cannot be stopped or started from the Services on Server page.
User Profile Service	Yes	Application server	
<b>User Profile Synchronization Service</b>	Yes	Application server	
Visio Graphics Service	Yes	Application server	
Web Analytics Data Processing Service	Yes — Web Analytics	Application server	
Web Analytics Web Service	Yes — Web Analytics	Application server	
Word Automation Services	Yes	Application server	Performs automated bulk document conversions. When actively converting, this service will fully utilize one CPU for each worker process (configured in Central Administration). If the service is started on multiple servers, a job will be shared across all the servers.