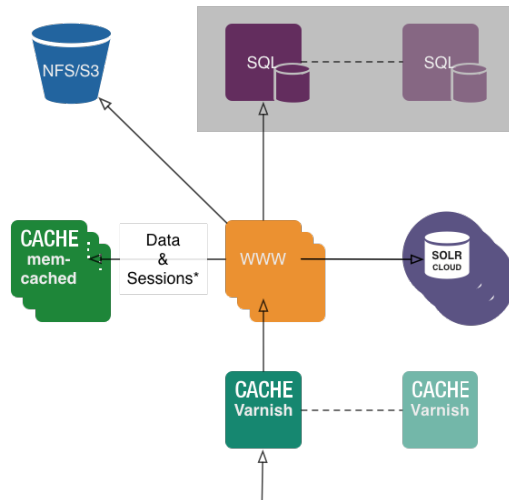


Clustering

Clustering in eZ Platform refers to setting up your install with several web servers for handling more load and/or for failover.

Intro: Server setup overview



This diagram illustrates how clustering of eZ Platform is typically set up, the parts illustrate the different roles needed for a successful cluster setup. The number of web servers, Memcached servers, Solr servers, Varnish servers, Database servers, NFS servers, as well as whether some servers play several of these roles (*typically running Memcached across the web server*) is up to you and your performance needs.

The minimal requirements are the following (with what is currently supported in parentheses):

- Shared HTTP cache (using Varnish)
- Shared Persistence cache and Sessions (using Memcached)
- Shared Database (using MySQL/MariaDB)
- Shared Filesystem (using NFS, or experimentally also S3)

For further details on requirements, see [Requirements doc](#).

While this is not a complete list, further recommendations include:

- Using [Solr](#) for better search and better search performance
- Using a CDN for improved performance and faster ping time worldwide
- Using Active/Passive Database for failover
- In general: Make sure to use later versions of PHP and MySQL/MariaDB within [what is supported](#) for your eZ Platform version to get more performance out of each server.

Steps to set up Cluster

To set up Cluster you'll need to:

1. [Set up DFS Cluster](#) which moves binary files to NFS
2. [Configure Persistence Cache](#) to use Memcached
3. [Set up Varnish](#), disable Symfony HTTP Cache and set up cache invalidation to purge Varnish cache
4. [Configure sessions](#) to use a cluster safe sessions handling

It is also highly recommended to set up [Solr Bundle](#) to be able to get better search and query performance, be able to scale it and offload database.