

# Cluster Installation

Setting up [Servoy Cluster](#) involves the following steps:

1. Installation of **multiple Servoy Application Servers** (see [Installing the Application Server](#)):  
To create a cluster of Servoy Application Servers, multiple Servoy Application Servers are required. The **installation procedure** for the individual Servoy Application Server instances is **identical** to the procedure for Servoy Application Servers that are not part of a Servoy Cluster.  
All Servoy Application Servers within a Servoy Cluster have to run the **same version** of Servoy, but can run on different platforms, if required.  
To make Servoy Application Server instances work with Servoy Cluster a couple of **configuration steps** are required. Those will be discussed in step 5.  
Note that all Servoy Application Server instances that will be part of a Servoy Cluster need to connect to 1 set of databases. Therefore, it is not efficient to install the bundled **PostgreSQL database engine** (when using the bundled PostgreSQL as database engine) with each instance of the Servoy Application Server.
2. [Download Terracotta](#):  
The Servoy Application Server comes pre-installed with the **integration for Terracotta**. Terracotta itself must be **downloaded** and installed separately.
3. [Installation of Terracotta](#) on each machine running a Servoy Application Server:  
On **each machine** that runs a Servoy Application Server, **Terracotta** needs to be installed as well. One of the Terracotta instances needs to act as **Terracotta Server** (see next step).
4. [Configuration](#) of one Terracotta instance as Terracotta Server:  
**One** of the Terracotta instances needs to act as Terracotta Server. Optionally, the Terracotta Server instance can be installed on a **dedicated machine** that does not run a Servoy Application Server.
5. [Configuration](#) of each Servoy Application Servers to work with [Servoy Cluster](#):  
To make each Servoy Application Server instance work with the Servoy Cluster, the **configuration of the integration** bundled with the Servoy Application Servers needs to be updated.



## Servoy Cluster license

Before installing Servoy Cluster make sure to obtain a Servoy Cluster license from Servoy.



## Software Versions

Use the same versions of Terracotta, Servoy and Java inside a cluster.