

A well balanced usage of resources is one of the goals of distributed applications. A way to achieve such a balanced usage is by run-time monitoring and migration of components of already executed applications between computers. There are many issues related to migration, from monitoring resources usage till obtaining component state and transferring to a different computer. The goal of this thesis is to design and implement a support for migration and load-balancing of components in the SOFA 2 hierarchical component system.