**Eucalyptus**

Eucalyptus is a software platform used for the implementation of private cloud computing in computer clusters. Eucalyptus is compatible with almost all currently available Linux distributions including Ubuntu, Red Hat Enterprise Linux (RHEL), CentOS, SUSE Linux Enterprise Server (SLES), and openSUSE. Right now Eucalyptus has a user-facing interface that is compatible with both the Amazon EC2 and S3 services but the platform is also designed to support a modular so that it can be used with a set of different interfaces at the same time. The platform allows users access to computing infrastructure resources (machines, network, and storage) available in private clouds. These clouds are implemented by Eucalyptus inside a data center and other resources are available separately in public cloud services. Eucalyptus gives users its own set of command line tools called Euca2ools, which are used internally to interact with Eucalyptus’ private clouds or externally to interact with public cloud offerings, including Amazon EC2.

Based on the activity of the community website’s forums, it looks like there are many people contributing to this project. The platform’s public support is very active even having its own separate community website to organize information and resources for anyone who wants to work on the project. The community site gives new users information about what can be fixed and improved on the platform so anyone can have a clear starting point of what to work on. Eucalyptus can be free and open source because the development is sponsored by Eucalyptus Systems.