

OPENMEETINGS AS A BROWSER-BASED TELECONFERENCING TOOL FOR EFDA LABORATORIES

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Remote participation is a success key factor of worldwide organizations and video-conference is an aspect of high importance once laboratory collaborators are geographically dispersed.

Several tools for video-conference are available worldwide. However, there is a need for a default standard which provides all the needed tools for remote participation between cooperating laboratories (not only audio and video), such as chat, screen sharing and Operating System independence. Because of that, different laboratories use different video-conference tools to communicate leading to a non-standard method to provide a conference and multiple software client's usage.

OpenMeetings is a open source software which provides video-conferences ability across the internet through web-browsing. In addition to book and moderate meetings it has the following features: administration, chat, video-conference recording, file sharing, desktop sharing and whiteboard with drawing. OpenMeetings was developed with *Java* language and *OpenLaszlo* platform and is installed in *Red5 Open Source Flash Server*. The client user only requires a flash plug-in capable web-browser aiming to a non-operating system dependency platform which requires no computer installation. OpenMeetings also provides easy integration and customization requirements with already existing data tools once it is open-source based.

This article intends to give an OpenMeetings overview as a video-conference application with enhanced features between worldwide laboratories and to demonstrate its ability to authenticate and authorize through integration with the EFDA Federation PAPI technology. The EFDA Federation purpose is to provide sharing and provision of a wide set of resources so that authenticated users may access them in a transparent and secure mode. The first step was the installation and testing of OpenMeetings base version in IPFN and the performance was good. After some tests in IPFN meetings we customize this platform to fill single sign on, secure access, simple management, mobility and transparency Federation requirements.

Filling EFDA requirements, OpenMeetings can be a valuable Federation resource and a good approach as a method to provide a worldwide laboratory video-conferencing application based on browsers standards.