

OpenMeetings4IPBrick Guide

iPortalMais 2010

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Contents

1	Introduction	3
2	Features	3
3	Requirements	3
4	Installation Procedure	4
4.1	Moodle Integration	4
4.2	OpenMeetings4Moodle Configuration	5
5	Known Issues	5
6	Placing OpenMeetings on the Internet	5
7	Bibliography	6

1 Introduction

Always catering to your needs, *iPortalMais* has created a solution to address the issue of an increasing collaborative workplace, by integrating a browser-based software solution such *Openmeetings* in *IPBrick*. This solution can be used for presenting, online training, web conferencing, collaborative whiteboard drawing and document editing, user desktop sharing etc. Communication takes place in meeting rooms which are set to different communication, security and video quality modes.

Besides the obvious economic benefits, the privilege of every employee to participate in a meeting or the real-time sharing of ideas as well and data transmission can help your organization complete common everyday tasks with an added benefit and web conferencing can offer, to people who lack physical participation, the use of tools to counteract their absence.

2 Features

Openmeetings has the following features:

- Audio communication
- Video conferencing
- Meeting recording
- Screen sharing
- Collaborative document editing
- Chat and whiteboarding
- User and room management

3 Requirements

- *IPBrick* v5.2;
- `Openmeetingspackages_1.0.deb`;
- `Openmeetings4ipbrick_1.2.deb`;
- **Optional:**
 - `moodle4ipbrick_1.9.3_all.deb`
 - `openmeetings4moodle_0.8.deb`
(both these packages are optional, for more information please consult the *Moodle Integration* subsection of this document)

4 Installation Procedure

In order to install *OpenMeetings* please follow these steps in order:

1. Access the *IPBrick's* web interface: **Advanced Configurations > IPBrick > Update**
2. Install the `openmeetingspackages_1.0.deb`
Please follow the installation instructions.
3. Apply Configurations
4. Repeat the procedure for the `openmeetings4ipbrick_1.2.deb` package
Please follow the installation instructions.
5. Apply Configurations

By default, *OpenMeetings* can be accessed at:

- `http://192.168.69.199:5080/openmeetings`

These are the Authentication Credentials:

- Login: `omadmin`
- Password: `omadmin`

Note: Users created in IPBrick (at the Users Management page) can also access the OpenMeetings web interface without the need of further configuration. The Authentication is through the LDAP. User passwords should be at least 4 characters long

4.1 Moodle Integration

After the previous installation procedure and if you wish to take advantage of the *OpenMeetings* for *Moodle* module please follow these steps in order:

1. Install the `moodle4ipbrick_1.9.3_all.deb`
Please follow the installation instructions.
2. Apply Configurations
3. Repeat the procedure for the `openmeetings4moodle_0.8.deb` package.
Please follow the installation instructions.
4. Apply Configurations

VERY IMPORTANT!: The `openmeetings4moodle_0.8.deb` package must be installed **LAST!!!**

4.2 OpenMeetings4Moodle Configuration

After installing the last update you must do the following configurations at the Moodle's web interface (by default: `moodle.domain.com`):

Configure the *OpenMeetings* module at: **Module -> Activities -> OpenMeetings** with the following parameters:

- OpenMeetings/Red5 server link: By default, `192.168.69.199` or `ipbrick.domain.com`
- OpenMeetings/Red5 HTTP server port: by default, `5080`
- OpenMeetings Admin Username: By default, `omadmin`
- OpenMeetings Userpass Admin: By default, `omadmin`
- Language Conference: By default, `1`
- Conference Width: By default, `1000`
- Conference Height: By default, `640`

To use this feature:

- Create/Join a course.
- Use the option **Turn editing on**
- Add a new activity: **OpenMeetings**, create a conference room and set it as you wish.

5 Known Issues

- It's not possible to play videos via *OpenMeetings* web interface. If you want to watch the videos you can access the *OpenMeetings* share, as an Administrator and download the recordings made.
- There is no integration with Asterisk.
- The first login of an LDAP user does not not function properly.
- Openmeetings must be installed in a **Master LDAP IPBrick**

6 Placing OpenMeetings on the Internet

In order for OpenMeetings to be available on the Internet, please make these configurations at the firewall to forward these ports to the IPBrick where the OpenMeetings software is installed:

- 1935 (RTMP),

- 8088 (RTMP-Over HTTP),
- 5080 (HTTP),
- 4445 (Desktop Sharing),
- 8443 (RTMP over SSL)

7 Bibliography

<http://code.google.com/p/openmeetings/wiki/MoodlePlugins>

<http://code.google.com/p/openmeetings/wiki/InstallationDebian>