# How to install Openfire Meetings on ClearOS

2021-07-20: WikiSuite will now support all major Linux distros. Thus, the information below is no longer updated. It may still be valid, or not. It will be eventually removed from this site, so anything relevant should be moved to the appropriate site. For anything related to ClearOS, please search among the following: ClearOS site, code base, Developer docs, Wiki or forum.

Please contact us if you would like to help out.

Openfire is a real time collaboration (RTC) server supporting XMPP (Jabber) and WebRTC. See also Why Openfire.

# Quick upgrade

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# Quick install

Openfire can be installed with the following command on a ClearOS 7.4 box:

2) Go to "System / Accounts / Users" in the menu to:

- Create some users (make sure the "Openfire User" is enabled in App policies for the user you create).

- 3) Go to "Server / Communication and Collaboration / Openfire" in the menu to:
- Click "Install and Initialize Built-in Directory". (Grab a coffee, this will take several minutes.)

- Click "Configure security Certificates" (TODO: Document what happens when Lets encrypt is enabled : http://wikisuite.org/How-to-install-Let-s-Encrypt-SSL-certificates-on-ClearOS).

- Select the admin user.
- Set the XMPP domain.

- Set the Openfire hostname from one of the available SSL certificates on the system. It is HIGHLY recommended that you use LetsEncrypt for this.

4) Follow the link and log in to Openfire.

ClearOS integration includes:

- ClearOS Openfire app
- Openfire
- Plugins: Fastpath, Openfire meetings, Monitoring
- System database provisioning
- LDAP integration
- focus user (openfire-focus) for Openfire meetings
- Letsencrypt

# Detailed Install

#### Assumptions

- This guide assumes your ClearOS server will be the main server for your domain. Thus, your website (powered by Tiki, which includes the ConverseJS XMPP client) will be on the same server.
- You can create e-mails accounts for your domain. This can easily be handled by ClearOS or by your domain name provider.

## Information

To Install Openfire 4.x on ClearOS 7.x within the WikiSuite environment follow these steps:

- 1.- Install a fresh ClearOS Server; be sure to run the latest Software updates to the core system.
- 2.- Make sure the clearos-epel repository is enabled
- 3- Include in the installation of:
- a. The Web Server

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#### Configure domain name

How to set domain name on ClearOS

Please note that Openfire is not multi-tenant, so it is designed to handle just one domain name. Ref: OF-162

## Install Openfire

1.-Log in to your ClearOS via SSH using root.

2.-Install the Openfire app.

Type:

В

yum --enablerepo=clearos-contribs-testing install app-openfire

Go to "Server / Communication and Collaboration / Openfire' in the menu (https://yourserver.wikisuite.org:81/app/openfire):



#### Configure OpenLDAP

1.-Click "Install and Initialize Built-in Directory". (Grab a coffee, this will take several minutes.) 1.-Initialize your OpenLDAP service through the Webconfig-Open LDAP Directory Server Module (https://yourserver.wikisuite.org:81/app/openIdap\_directory).

File not found.

2.-On the Directory Server Settings page, set the server mode and Base Domain (https://yourserver.wikisuite.org:81/app/openIdap\_directory/settings/edit).

File not found.

3.-On the Directory Server Policies page, set the Publish Policy and Accounts access according to your requirements (https://yourserver.wikisuite.org:81/app/openIdap\_directory/policies/edit).

File not found.

4.-Don't forget to create one or two users as they will be used in the Openfire configuration phase. Use: (https://yourserver.wikisuite.org:81/app/users/add).

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#### Configure SSL certificates / Let's Encrypt

- We highly recommend you use Let's Encrypt. Especially since as of this writing (2018-04-01, no joke...), selfsigned certificate integration isn't fully functional (see https://github.com/WikiSuite/app-openfire/issues/7).
  - If you want to use it, make sure LetsEncrypt is fully set up before you continue (See <a href="http://wikisuite.org/How-to-install-Let-s-Encrypt-SSL-certificates-on-ClearOS">http://wikisuite.org/How-to-install-Let-s-Encrypt-SSL-certificates-on-ClearOS</a>).

Go to "Server / Communication and Collaboration / Openfire" in the menu (https://yourserver.wikisuite.org:81/app/openfire):

- 1. Click "Edit" in "Setting"
- 2. Select the security certificate you want to use.

#### Important notes:

• As ClearOS also manages SSL certificates, they can co-exist independently as their storage files are different

and independent. That is, Openfire generated certificates will only be used within Openfire applications.

- As of this writing (2018-04-01, no joke...), Directory Watcher (hot-deploy, https://yourserver.wikisuite.org:9091/plugins/certificatemanager/certificate-management.jsp ) isn't integrated into the ClearOS app (see https://github.com/WikiSuite/openfire/issues/5). Upon Let's Encrypt certificate expiration, just re-do the setup step above, not changing your certificate selection and your certificate will be updated.
- You can access the OpenFire certificate store at: https://yourserver.wikisuite.org:9091/security-certificate-store-management.jsp

## **Configure Firewall**

The Openfire app will take care of opening the following ports:

Port	TCP/UDP	Access Control	Application	Description
5222	ТСР	Public	Openfire	The standard port for clients to connect to the server. Offers encryption via StartTLS
5223	ТСР	Public	Openfire	Direct SSL/TLS port for clients to connect to the server.
7443	ТСР	Public	Openfire	The port used for secured HTTP client connections.
9091	ТСР	Administrative	Openfire	The port used for secured (HTTPS) Admin Console access.

However, you will probably want to open more than those. ClearOS's Firewall should configured to block all ports, and open the following:

Port	TCP/UDP	Access Control	Application	Description
22	TPC	Administrative	SSH	Terminal access
25	ТСР	Public	OFMeet	SMTP: For emails for Openfire Meeting Planner
80	ТСР	Public	(generic)	Web server (HTTP)
81	ТСР	Administrative	ClearOS	Webconfig
143	ТСР	Public	OFMeet	IMAP: For emails for Openfire Meeting Planner
443	ТСР	Public	(generic)	Web server (HTTPS)
587	ТСР	Public	OFMeet	SMTP For emails for Openfire Meeting Planner if you use Gmail
993	ТСР	Public	OFMeet	IMAPS For emails for Openfire Meeting Planner
4443	ТСР	Public	OFMeet	RTP over TCP for Jitsi Videobridge (fallback media proxy for video conferencing)
5222	ТСР	Public	Openfire	The standard port for clients to connect to the server. On this port plain-text connections are established, which, depending on configurable security settings, can (or must) be upgraded to encrypted connections.

5223	ТСР	Public	Openfire	The port used for clients to connect to the server using the direct SSL/TLS method. Connections established on this port are established using a pre-encrypted connection. This type of connectivity is commonly referred to as the "old-style" or "legacy" method of establishing encrypted connections., but is not inherently 'less' secure. Configuration details can be modified in the security settings.
5269	ТСР	Public	Openfire	The port used for remote servers to connect to this server. Connections established on this port are established using a pre-encrypted connection. This type of connectivity is commonly referred to as the "old-style" or "legacy" method of establishing encrypted connections. Configuration details can be modified in the security settings.
7070	ТСР	Public	Openfire	The port used for unsecured HTTP client connections.
7443	ТСР	Public	Openfire	The port used for secured HTTP client connections.
9090	ТСР	Administrative	Openfire	The port used for unsecured (HTTP) Admin Console access.
9091	ТСР	Administrative	Openfire	The port used for secured (HTTPS) Admin Console access.
10000	UDP	Public	OFMeet	Single UDP port multiplexing of multiple media streams (preferred media proxy for video conferencing)
50000-60000	UDP	Public	OFMeet	Dynamically allocated ports for media streams (fallback media proxy for video conferencing)

Notes:

• Ports 7070 and 9090 are used for plain HTTP traffic. Each have a more secure HTTPS counterpart: 7443 and 9091 respectively. Consider disabling the HTTP ports, which could hurt interoperability and performance, but will increase security.

## **Configure Openfire**

**WARNING**: 2018-03-12: In openfire 4.2.2, plugins don't upgrade properly: apparently fixed in 4.2.3 (https://issues.igniterealtime.org/browse/OF-1464), which isn't released as of this writing.

1.- Use a web browser to connect to the admin console. The default port for the web-based initial setup admin console is 9090 (9091 for https). Initial setup and administration can be done from a remote computer using LAN IP address instead or hostname if it is resolvable by the remote computer, i.e. (https://yourserver.wikisuite.org:9090). The link is provided in the Openfire app for ClearOS.

Source: http://www.igniterealtime.org/builds/openfire/docs/latest/documentation/install-guide.html

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Email Bettings	Below you will find	server informa	ation, ports being used	and latest news about Openfire.					
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#### Install and configure Openfire Plugins

The Openfire app for Clearos will have already installed and done basic setup of the following plugins:

- Openfire Meetings Plugin (For group video conference)
- Openfire Fastpath plugin (For support chat: http://wikisuite.org/Fastpath)
- Monitoring plugin (for Message Archive Management support)

#### Configure Openfire Meetings Plugin

1.- For security, Openfire Meetings Plugin creates a user named "focus". The openfire-app will create this user in ClearOS for you.

#### Configure Openfire Fastpath plugin

1.- Once the plugin has been successfully installed, the Fastpath tab should be available, click on it to configure Workgroups (https://yourserver.wikisuite.org:9091/plugins/fastpath/workgroup-summary.jsp).



Notes:

- You can find a Quick start guide here: http://wikisuite.org/Fastpath.
- The snippet is provided on the Openfire Admin Console (Fastpath -> Workgroup Manager -> Workgroup Settings -> Text).
- jivelive.jsp is available on https://example.org:9091/webchat/jivelive.jsp perhaps you'll need to edit the snippet above, if you're redirecting access to that resource through a reversed proxy.
- There's a simple landing page here: https://example.org:9091/webchat/ .

#### Install additional Openfire plugins

- 1.- Log in to your Openfire Admin Console with an administrator user.
- 2.- Click on the Plugins Tab to manage Plugins



3.- Click on the available plugins link and scroll down to find the plugin you want.

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	🐘 Golara		ProtoXEP-xxxx: Remote Roster Management support	2.2.0	Holger Bergunde / Daniel Henninger / Axel-F. Brand	306.0 K	0		
	🚦 Hazelcast Clustering Plugin		Clustering support for Openfire, powered by Hazelcast.	2.2.0	Tom Evans	5.5 MB	0		
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	🚳 Just married		Allows admins to rename or copy users	1.2.0	Holger Bergunde	363.9 K	0		
	🕍 Kraken IM Gateway		Provides gateway connectivity to the other public instant messaging networks	1.3.0	Daniel Henninger	4.8 MB	0		1
	📓 Load Statistic		Logs load statistics to a file	1.2.0	Jive Software	11.1 K	0		- 1
	MUC Service		(Deprecated) Please use the REST API Plugin. MUC administration over REST Interface	0.2.3	Roman Soldatow	2.4 MB	0		
	🌞 Monitoring Service		Monitors conversations and statistics of the server.	1.5.0	Jive Software	4.6 MB	0		
			Allows admins to have a message sent to users each time they log in.	12.0	Ryan Graham	17.7 K	0		
	👤 Nodels		Integrates NodeJs Applications with Openfire.	0.1.0	igniterealtime.org	14.9 MB	0		
	Openfire Meetings	18	Provides high quality, scalable video conferences using Jitsi Meet and Jitsi Videobridge	0.3.9	Ignite Realtime	41.6 MR	\$		
	😢 Openfire WebSocket		Provides WebSocket support for Openfire.	1.1.3	Tom Evans	118.4 K	0		- 1
	👼 Packet Filter		Rules to enforce ethical communication	3.3.0	Nate Putnam	98.4 K	0		- 1
	🏴 Presence Service		Exposes presence information through HTTP.	1.7.0	Jive Software	28.4 K	0		- 1
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	Rayo Plugin		Provides support for XEP-0327	0.1.0	Ignite Realtime Community	19.8 MB	0		- 1
	🐣 Registration		Performs various actions whenever a new user account is created.	1.7.0	Ryan Graham	46.8 K	0		
	SIP Phone Plugin		Provides support for SIP account management	1.2.0	Ignite Realtime	574.8 K	0		
	🐸 STUN server plugin		Adds STUN functionality to Openfire	1.2.0	Ignite Realtime	98.0 K	0		
	<ul> <li>Subscription</li> </ul>		Automatically accepts or rejects subscription	1.4.0	Ryan Graham	20.1 K	0		-

4.- Click on then "+" to add the plugin to the Openfire server.

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#### Add more Openfire admins

Currently, the Openfire clearos app only allows adding one admin user. As of this writing (2017-03-14), it will even clobber all other admins except the newly selected one if you change it.

1.-There is no ClearOS group for the Openfire admins. To add more admins, you need to go into the Openfire admin interface Server -> Server Manager -> System Properties -> admin.authorizedJIDs .

Edit server properties (https://yourserver.wikisuite.org:9091/server-properties.jsp).

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Database	Property Name	Property Value	Edit	Encrypt	Delete
Email Settings	admin.authorizedJIDs	luis Jucio@yourserver.wikisuite.org.mario.lozano@y	R,	0	0
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	connectionProvider.className	org jives of ware database. Embed dedConnection Pro	2	0	0
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	Idap.adminPassword	Niddeo	2	9	0
	Idap.autoFollowAliasReferrals	true	2	0	0
	Idap.autoFollowReferrals	faise	2	0	0
	Idap.baseDN	dc=wikisuite,dc=org	2	0	0
	Idap.connectionPoolEnabled	true	12	0	0
	Idap.debugEnabled	false	2	0	0
	Idap.emailField	mail	12	0	0
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2.- Find the admin.authorizedJIDs property, edit it and add comma-separated full JIDs. In our specific case user@example.org. "Click on Save Property".

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provider.user.className	org į ives offware. openfire J dap. Ldap UserProvider	<b>1</b>	0	0
provider.vcard.className	org.j.ives.offware.openfire.Jdap.LdapVCardProvider	<b>X</b>	0	0
sasi.scram-sha-1.iteration-count	40.96	7	0	0
setup	true	<b>X</b>	0	0
stream management active	true	7	0	0
stream.management.requestFreq	5	R,	0	0
update.lastCheck	1455217917124	<b>1</b>	0	0
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ampp.session.conflict-limit	D	<b>X</b>	0	0
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Edit property				
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Property Encryption:	Encrypt this property value     Do not encrypt this property value			
Save Property Cancel				

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3.- Openfire needs a restart. Log in to your ClearOS via SSH using root and type:

В

service openfire restart

#### Configure Tiki, ConverseJS and OpenFire

To get a transparent authentication between ConverseJS and Openfire, we need to configure Tiki and install the TikiToken plugin (https://github.com/igniterealtime/openfire-tikitoken-plugin) in OpenFire.

1 - The Tiki Token plugin is now shipping as an optional plugin in Openfire 4.1.5 Just activate as you would for any Openfire plugin. (You may also find more recent snapshots at Download the latest tikitoken.jar at https://github.com/igniterealtime/openfire-tikitoken-plugin/releases).

2 - Go to server properties page at http://yourserver.wikisuite.org:9090/server-properties.jsp and set up a new property with name **org.tiki.tikitoken.baseUrl** and property value will be your tiki base url; let's suppose **http://tiki.wikisuite.org**.

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	provider.auth.className	org.jivesoftware.openfire.ldap.LdapAuthProvider	2	O	8	
	provider.group.className	org.jivesoftware.openfire.ldap.LdapGroupProvider	2	0	3	
	provider.user.className	org.jivesoftware.openfire.ldap.LdapUserProvider	2	O	8	
	provider.vcard.className	org.jivesoftware.openfire.ldap.LdapVCardProvider	2	0	0	
	sasl.scram-sha-1.iteration-count	4096	2	O	0	
	setup	true	2	O	8	
	stream.management.active	true	2	O	8	
	stream.management.requestFre.	5	2	O	0	
	update.lastCheck	1492045943803	2	O	0	
	xmpp.auth.anonymous	false	2	O	0	
	xmpp.domain	yourserver.wikisuite.org	2	O	0	
	xmpp.fqdn	yourserver.wikisuite.org	2	O	0	
	xmpp.session.conflict-limit	0	2	O	0	
	xmpp.socket.ssl.active	true	2	0	٥	
	Edit property					-
	Property Name: org.	tiki.tikitoken.baseUrl				_
	Property Value: <u>ht</u>	t <u>p://tiki.wikisuite.org</u>	1.			
	Property Encryption:	Encrypt this property value Do not encrypt this property value				
	Save Property Cancel					
Server   Users/Groups   Sessions   Grou	up Chat   Plugins   Meetings	Built by <u>Jive Software</u> and the <u>Ign</u>	iteReal	l <u>time.org</u> con	nmunity	- -

3 - Configure Tiki to talk to OpenFire. Go to the community page on the admin panels (RTC page on Tiki 19+), select the XMPP tab,

and:

- Check the XMPP client (ConverseJS).
- On XMPP server host field, type yourserver.wikisuite.org.
- On XMPP http-bind url field, type https://yourserver.wikisuite.org:7070/http-bind/ .
- Check XMPP Openfire Token.
- Click on **Apply**.

🌀 Openfire Admin Con 🗙 🔷 My Tiki   Community ×					
← → C 🛈 tiki.wikisuite.org/tiki-admin.php?page=community#contentadmin_community-5 🖈 🖬 🗞 😔 👳	5	κ ,	3	:	
Community @ User specific features and settings				•	
🚰 Groups 🛔 Users 🔦 Permissions Activity Rules Apply					
Community Features Social Interaction Plugins BigBlueButton XMPP	3				
XMPP					
XMPP client (ConverseJS) 🕜 🕤					
XMPP server host yourserver.wikisuite.org					
xmpp.example.com					
XMPP http-bind url http://yourserver.wikisuite.org:7070/http-bind/					
ttp://xmpp.example.com/http-bind/♂					
XMPP Openfire Token 🛛 🕑 🍤					
Apply					
Menu					
Home					
Search					
Wiki -	т	oggle c	hat	-	

4 - Still on Tiki, go to the "Admin Modules" panel (http://tiki.wikisuite.org/tiki-admin\_modules.php).

- 5 Click on the "All modules" tab.
- 6 On field **Filter** type xmpp .
- 7 Drag the result to the bottom of the page, in the closest gray-bordered box.

🍯 Openfire Admin Con 🗙 💩 My Tiki   Admin Moc 🗙			Fabi	10 -		53						
$\epsilon \rightarrow c$	i tiki.wikisuite.org/ti	ki-admin_modules.php#	content_admin_m	odules1-3	\$	•	s 🕚	<b>0</b>	5	×	ઝ	:
												*
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	间 Clear Cache	Show hidden mod	dules 📃 Admir	n Menus	E Exit Mod	ules						
	Assigned module:	s Custom Modules	All Modules					No Tab	5			
	All Modul	es										
	Filter:	xmpp		×								
	Show all module	s										
	© XMPP xmpp	Hold a	chat session using 3	XMPP								
	Menu	¢¢ XMP P xmp	<u>b</u>						•			•

8 - Just save and the popup will appear.

9 - Refresh the page to see the box at the bottom of the page.

Alternatively, you can put PluginXMPP in a wiki page (Tiki19+).

# Additional configuration

# File uploads

This needs to be activated (server-wide, not on a room-by-room basis). The only thing that needs to be done here is to install an Openfire plugin called "HTTP File Upload". Once it is installed, compliant clients will discover the availability of the feature, and start offering the related functionality.

To install a plugin, log in to the Openfire admin console. Find the "Plugins" tab. If the "HTTP File Upload" plugin is not listed in the collection of installed plugins, click on "available plugins" in the left-hand side menu, and install the plugin.

# For everyone to see the status of everyone (Contact list group sharing)

$\leftarrow$ $\rightarrow$ C $\blacksquare$ Secure	https://wikisuite.net:9091/group-edit.jsp?group=allusers	ର ☆	é 😐 🍯			
<b>openfire</b> <sup>*</sup>		I	Openfire 4 .ogged in as marc - <u>Log</u> Clustering status - Disa			
Server Users/Groups	Sessions Group Chat Plugins Fastpath Meetings					
Users Groups						
Group Summary Group Options	Edit Group					
Edit Group     Delete Group	Edit group settings and add or remove group members and administrators using the forms below.					
Create New Group	Create New Group         Image: A construct of the group excount system is read-only.         Image: A construct of the group excount system is read-only.         Image: A construct of the group excount system is read-only.         Image: A construct of the group excount system is read-only.         Image: A construct of the group excount system is read-only.         Image: A construct of the group excount system is read-only.         Image: A construct of the group excount system is read-only.         Image: A construct of the group excount system is read-only.         Image: A construct of the group excount system is read-only.         Image: A construct of the group excount system is read-only.         Image: A construct of the group excount system is read-only.         Image: A construct of the group excount system is read-only.         Image: A construct of the group is members.         Image: A construct of the group is members.<					
(	allusers         Share group with:         Image: Users of the same group         All users         The following groups:         guests         Save Contact List Settings					

#### Configure email

Go to https://yourserver.demo.wikisuite.org/webmail to access Roundcube, then log in with your username and password.



In ClearOS

## Options about sending emails

https://example.org:81/app/smtp

char OS	DASHBOARD	MARKETPLACE	SUPPOR	स (	х поот
Community	SMTP Server				Ē
Search Q	The SMTP Server provides a	an incoming and outgoing mail se	rver as well as mail forwa	arding and SMTP authe	ntication features.
Server	Settings			SMTP Server	
Database Directory	Mail Domain	wikisuite.org		Vendor	ClearFoundation
Messaging	Mail Hostname	demo.wikisuite.org		Status	Running
Roundcube Webmail	Relay Host			Action	Stop
SMTP Server	Maximum Message Size	50 MB		Support Policy	••••
Web			Edit	Details Unin	stall Rate App
Vetwork Network					
🛐 System	User Policies				
Reports	SMTP Authentication	Enabled			
•					

## Options about receiving emails

https://example.org:81/app/imap

clear OS	DASHBOARD	MARKETPLACE	SUPPO	DRT	ROOT
Community					2
Search Q	The IMAP and POP server p to connect to the server and	rovides a standard set of s d retrieve/display email.	ervices for mail clients (Thund	lerbird, Mail, Evolution, O	utlook/Express etc.)
Cloud	_				
Server	Settings			IMAP and POP Se	erver
Database	Service			Vendor	ClearFoundation
Directory Messaging	Secure IMAD	Fachled		Version	2.1.10-1
IMAP and POP Server	Jecure Inter-	chabica		Status	Running
Roundcube Webmail SMTP Server	Secure POP	Enabled		Action	Stop
	IMAP	Disabled		Support Policy	
	POP	Disabled		Details Unin:	stall Rate App
Network	Advanced Settings				
System	Push E-mail	Enabled			
Reports			Edit		
	App Policies				

#### In Openfire

Edit the email setting in the Server Manager tab as in the image: https://example.org:9091/system-email.jsp

▼ ∫ ♂ Openfire Admin Console:	- x (+	Openfire Admin Console: Email Settings - Moz	illa Firefox	- + x
🔶 🕲   demo.wikisuite.org.909	0/system-email.jsp		C Q, Rechercher	☆ ☆ ♥ ♣ ♠ ♥ ☰
🛅 Most Visited 💌 🛞 Wiki 🛛 🗟 L	Linux Mint 🖀 Community 🖀 Forums 🖀 Blog 🔂 N	eas *		
openfire <sup>.</sup>				Openfire 4.0.1 Logged in as charles.robert - Legged
Server Users/Groups	Sessions Group Chat Plugins Fastpr	th Meetings		
Server Manager Server	Settings   TLS/SSL Certificates   Media Servic	es Bookmarks Nodejs Phone		
Server Information System Properties	Email Settings			
Language and Time Clustering	Use the form below to set the host and port of yo please check the SMTP configuration on your m	ur email server (SMTP). At a minimum you should set the host and optionally all server. Note, if you choose to enable mail debugging the debug output will	you can set the port, username and password and whether or no be written to your appserver's standard out log.	to connect over SSL. If you have problems sending email
Cache Summary	SMTP Settings			
Logs Email Settings	Mail Host: Server Port (Optional):	www.gandi.net		
Security Audit Viewer	Mail Debugging:	On Off (may require appserver restart)		
	Server Username (Optional): Server Password (Optional):	meeting@wikisulte.org		
	Use SSL (Optional):	0		
	Save Changes Send Test Email			

Edit the email listener in the Meeting tab as in the image: https://example.org:9091/plugins/ofmeet/ofmeet-email-listener.jsp



Avoiding non-standard ports

In some contexts, (corporate environments, captive portals in Internet cafes, etc.), some ports can be blocked. Thus, if you want to get rid of a port number, you can input the following apache configuration (Apache 2.4+ so you need ClearOS 7.x):

В

```
ProxyPass /ofmeet/ http://localhost:7070/ofmeet/
ProxyPassReverse /ofmeet/ http://localhost:7070/ofmeet/
ProxyPass /ofmeetws/ wss://localhost:7070/ofmeetws/
ProxyPassReverse /ofmeetws/ wss://localhost:7070/ofmeetws/
```

#### Team room

#### To create a private room

Go on "Group Chat" tab.



#### Server | Users/Groups | Sessions | Group Chat | Plugins | Eastpath | Meetings

Built by Jive Software and the IgniteRealtime.org community

Then go to "Create new room" in the left menu.

v		Openfire Admin Console: Create New Room - Chromium	- + x
← → C 🗋 demo.wikis	suite.org:9090/muc-room-edit-form.jsp?crea	ate=true	₹☆ < ≣
openfire <sup>.</sup>			Openfire 4.0.1 Logged in as sharles.robert - Logand
Server Users/Groups	Sessions Group Chat Plugins Fastpath	Meetings	
Room Administration Group	Chat Settings		
Room Summary Create New Room	Create New Room		
	Use the form below to create a new persistent room.	The new room will be immediately available.	
	Room ID: Room Name: Description: Topic: Maximum Room Occupants: Broadcast Presence for: Password Required to Enter: Continn Password: Show Reef JIDs of Occupants to:	@ conference.demo.wikitsuite.org 30 ▼ 30 ▼ Moderator ♥ Participant ♥ Visitor Moderator ▼	Room Options  List Room in Directory  Kake Room Moderated  Make Room Moderated  Allow Occupants to invite Others  Allow Cocupants to change Subject  Only legin with neglistered nickname  Allow Cocupants to change nicknames  Allow Users to register with the noom  Log Room Conversations
		awe chargesCarder	
Server   Users/Groups   Session	s   Group Chet   Plugins   Eastpath   Meetings		Built by Jive Software and the konteRealtime.org community

Fill out the appropriate fields (Minimum Room ID, Room Name and Description). Finish by clicking on the Save Changes button.

#### For use the private room

Note: This will be replaced by ConverseJS.

• Web access with CandyChat

Go to https://example.org:7443/ofmeet/candy.html then log in with your account access.

• WebRTC access

With https://example.org:7443/ofmeet/ (from which you can pick a room)

• XMPP client access

with Spark in a login session, click on the "Action" tab, then the "Join a chatroom" option. In a new pop up, doubleclick in the list on the desired chatroom.

With Jitsi in a login session, click on the "File" tab, then the "Join a chatroom" option. In the new pop up, select the desired account and input a chatroom name.

# Call in and out of WebRTC conferences with a SIP account

Requires OFMeet 0.9.5, which now has Jigasi: In Openfire's admin console, navigate to Meetings > Meetings > Gateway to SIP and fill out an account.

#### Remote Control of Keyboard and Mouse

Nearly ready: https://github.com/igniterealtime/Pade/issues/24

This requires users to install an app on their desktop (Windows / GNU/Linux / MacOSX) and to have the Openfire plugin for Chrome.

#### How to use

- You as the person who is actively sharing a screen can select the panel of a participant on the film strip. If video is **not** working, you will not get any video panels. If you do, then you can select any and then click on remote control icon. The person on the other end will be notified that they have control of your desktop
- You as a participant can request remote control of an active screenshare from the desktop owner by clicking on the remote control icon. The owner will receive a popup window requesting an accept or decline. If request is accepted, then remote control will be given.

## STUN / TURN server

• Todo later Marc: discuss with Dele (What / How to install and what ports to open)

## Advanced configuration

 If your XMPP server is not on the same server as your website, and you want to support (typically older) XMPP clients which don't support SRV records, you will need something like http://sourceforge.net/p/penloadbalancer/wiki/penctl.1/

## Pàdé XMPP client

Please see Pàdé

#### Todo: Make sure these installation instructions provide great security

- Secure by default. Remove all http, and force https.
- Ref: http://wiki.xmpp.org/web/Securing\_XMPP#Openfire
- Not like this: IM Observatory Test

• Verify that documenting leads to respecting Public Statement Regarding Ubiquitous Encryption on the XMPP Network.

## **Related links**

- http://igniterealtime.org/projects/openfire/documentation.jsp
- https://www.clearos.com/clearfoundation/social/community/how-to-install-openfire-3-7-1-on-cos-6-3-64bit-manua l-install
- http://rtcquickstart.org/guide/RTCQuickStartGuide.pdf
- How to install Spark

#### Souce code

Source	Packages
https://github.com/WikiSuite/app-openfire	http://koji.clearos.com/koji/packageinfo?packageID=303
https://github.com/WikiSuite/app-openfire-plugin	http://koji.clearos.com/koji/packageinfo?packageID=311
https://github.com/WikiSuite/openfire	http://koji.clearos.com/koji/packageinfo?packageID=302

## Troubleshooting

# Changing Openfire configuration when you can't log in to the system database

Openfire stores its configuration in the database. On ClearOS, that is the system database.

Getting into the ClearOS system database can be a little confusing the first time. ClearOS typically runs two database servers. You will need the system database root password, and to connect to a non-default socket. Here is how:

```
cat /var/clearos/system_database/reports
mysql -u root openfire -p --socket /var/lib/system-mysql/mysql.sock
```

You can then edit the Openfire configuration, which is stored in the ofProperty table. (SELECT \* FROM `ofProperty`)

One change you are likely to want to make during debugging is to enable Idap debugging

```
INSERT INTO `openfire`.`ofProperty` (`name`, `propValue`, `encrypted`) VALUES ('log.debug.enabled',
'true', NULL);
exit
```

service openfire restart
tail -f /var/log/openfire/debug.log

#### Useful references:

\* Openfire LDAP guide

\* ClearOS: Re-initialize your LDAP directory

#### It used to work, but I just lost access when I installed the Directory app.

The problem is most likely that your base domain changed.

OpenLdap on base ClearOS creates domains of the form:

dc=system,dc=lan

Unfortunately, if you install the ClearOS directory app AFTER Openfire, your base domain is likely to change. It's going to be: If "Base Domain" is your.domain.name, your base DN will be: dc=your,dc=domain,dc=name

Openfire will not update its configuration automatically. You'll have to update the following ofProperty in Openfire's database

\* Idap.baseDN (as is)

\* Idap.searchFilter (modify the value in the parenthesis as appropriate)

#### Testing OpenLDAP from the command line

This should work:

```
ldapsearch -x -h localhost -b 'dc=your,dc=domain,dc=name' 'uid=your_openfire_admin_user'
```

If the above does not return your user, logging into the Openfire admin console will NOT work.

This may help diagnose:

ldapsearch -x -h localhost

Should list all users. If you don't see yours, something is really wrong with your ldap configuration.

alias

• How to install and Configure Openfire Meetings on ClearOS