

# Kaltura MediaSpace™ Installation Guide

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Version: 4.5

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# Preface

This guide describes how to:

- Install Kaltura MediaSpace™ (KMS) Version 4.5
- Upgrade from MediaSpace version 4.0 to version 4.5



**NOTE:** To upgrade from MediaSpace 3.0 or earlier to MediaSpace 4.5, contact your Kaltura Project Manager or Account Manager for assistance.

This guide is intended for Kaltura MediaSpace site administrators.



## Workflow:

1. [Verify that your system meets the requirements.](#)
2. [Start the installation or upgrade process.](#)
3. Install or upgrade:
  - [Install MediaSpace for the first time.](#)
  - [Upgrade from MediaSpace version 4.0.](#)
4. [Complete the post installation steps.](#)

# System Requirements

- A Kaltura account (username and password)
- Web Server
  - Apache version 2.2 and later
  - For Zend Framework: `mod_rewrite`
  - Enable `.htaccess` files.
  - Set `AllowOverride` to `All`.
- PHP
  - Minimum: PHP version 5.3.5 and later
  - Recommended: PHP version 5.3.8 and later



**NOTE:** PHP version 5.4.x is not supported.

- For an integration with an LDAP server (authentication): [PHP LDAP](#) extension
- For the Kaltura Client library: [PHP cURL](#) extension.
- PHP `simplexml`



**NOTE:** PHP 5 generally enables PHP `simplexml` by default.

- Folder permissions: The user that runs the web server must have write permissions for the following paths:
  - `{KMS_PATH}/configs`
  - `{KMS_PATH}/configs/backups`
  - `{KMS_PATH}/cache`
  - `{KMS_PATH}/logs`

## Hardware Requirements

The hardware requirements are mostly dependent on the number of concurrent users you expect for your MediaSpace setup.

Assuming you assign a dedicated server for the KMS application (not strictly required), you can expect:

- **CPU:** KMS is not CPU intensive.
- **Storage:** The entire application, with caching turned on, should not consume more than 100 megabytes of hard disk space.
- **Memory:** We estimate that a typical plain server with 3GB of memory could support 100 concurrent *requests*. Since not all users are making requests every single moment they are on the system, we feel it is safe to *assume* that this would be enough for 1,000 concurrent *users*.

The only real measure is *requests* and the number of *users* is really a guesstimate/assumption.

## FAQ

- Can the KMS server be virtual? Yes
- What ports will I need to open inbound and outbound from the KMS server traffic? 80 and 443.
- What version of Linux is supported? Software requirements lay out the different components that need to be installed. All of these components are cross-platform and therefore the Linux version is irrelevant.
- How much disk space and RAM does the KMS server need? The KMS application, logs and cache consume around 53MB. Normal disk space in multiples of tens of GB should be sufficient for this release.

Logs are written to disk and may take extra space. The logs may either be cleaned periodically or a log-rotate can be setup if needed. The default log level is low and the logs do not increase in size quickly.

Cache files are written to disk and may take extra space. The expired cache files are deleted automatically and the total space of the cache should not grow drastically.

# Installing and Upgrading Kaltura MediaSpace



**NOTE:** To upgrade from MediaSpace 3.0 or earlier to MediaSpace 4.5, contact your Kaltura Project Manager or Account Manager for assistance. Upgrading is a multi-stage process in which procedures must be performed in a particular order. Do not attempt to upgrade from MediaSpace 3.0 or earlier before consulting your Kaltura representative.

## Starting the Installation or Upgrade Process

### To start the installation or upgrade process

1. Contact your Kaltura Project Manager to receive the Kaltura MediaSpace installation archive.
2. Extract the installation archive contents to your installation path.  
In the following sample, the installation path is `/var/www/mediaspace`.



**NOTE:** Your web server may be configured with a document root path that is different from the path used in the example (`/var/www`). Refer to <http://httpd.apache.org/docs/current/mod/core.html#documentroot>.

On your command line, enter:

```
cd /var/www
tar xzpf MediaSpace-version_number.tar.gz
```

3. Set the required permissions.

On your command line, enter:

```
cd /var/www/mediaspace
chmod 777 configs configs/backups cache logs
```

4. Configure an Apache Virtual Host for Kaltura MediaSpace. The DocumentRoot must point to the `public` folder in the MediaSpace root folder.



**NOTE:** In the example in step 2, you extracted the contents of the MediaSpace installation archive to `/var/www/mediaspace`. Therefore, the virtual host's `DocumentRoot` should point to `/var/www/mediaspace/public`.

For instructions on how to set up a virtual host under Apache, refer to <http://httpd.apache.org/docs/2.2/vhosts/>.

5. In your browser, open the virtual host you configured in step 4 (for example, `www.yourmediaspace.com`).

The installation wizard checks whether system requirements are met.

6. Complete the missing requirements as needed until all requirements are met.

**Kaltura MediaSpace™ 4.5 - Installation**

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**Requirements check**

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 You can proceed with the Kaltura MediaSpace 4.5 setup process.

Minimum version of PHP 5.3.5 is required by KMS 4.5	✓ Passed
function json_encode is required for KMS 4.5 to work correctly	✓ Passed
function ldap_connect is required for KMS 4.5 if you wish to authenticate through AD/LDAP	✓ Passed
function curl_init is required for KMS 4.5 and Kaltura Client library to work correctly	✓ Passed
simplexml library must be enabled.	✓ Passed
KMS 4.5 comes with .htaccess file that includes the mod_rewrite directives. You should check if mod_rewrite is disabled and that AllowOverride is set to All so .htaccess will be used.	✓ Passed
apache should be configured with mod_rewrite	✓ Passed
The /opt/lampp/htdocs/kms4.5_d9/mediaspace/configs/ directory must have write permissions for the installation to work	✓ Passed
The /opt/lampp/htdocs/kms4.5_d9/mediaspace/configs/backups/ directory must have write permissions for backing up your configuration	✓ Passed
The /opt/lampp/htdocs/kms4.5_d9/mediaspace/cache/ directory must have write permissions if you want to have caching enabled	✓ Passed
The /opt/lampp/htdocs/kms4.5_d9/mediaspace/logs/ directory must have write permissions for the logger to work	✓ Passed

If you are upgrading from KMS2, KMS3, or KMS4 select 'Migrate', otherwise select 'Install'

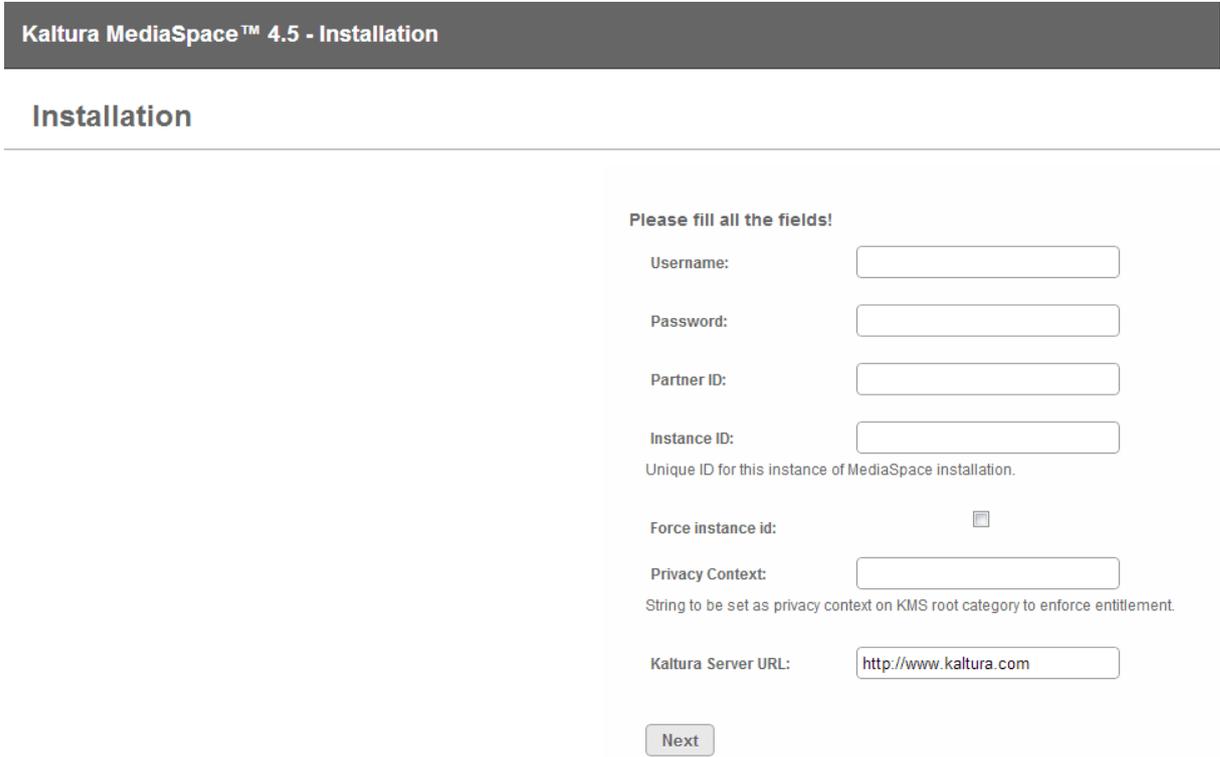
7. When all requirements are met:

- For a new MediaSpace installation, click **Install** and follow the procedure [to install MediaSpace for the first time](#).
- To upgrade from MediaSpace version 4.0 to version 4.5, click **Migrate** and follow the procedure [to upgrade from MediaSpace version 4.0](#).

# Installing MediaSpace for the First Time

## To install MediaSpace for the first time

1. On the installation user details window, fill in the following fields and click **Next**.



**Please fill all the fields!**

Username:

Password:

Partner ID:

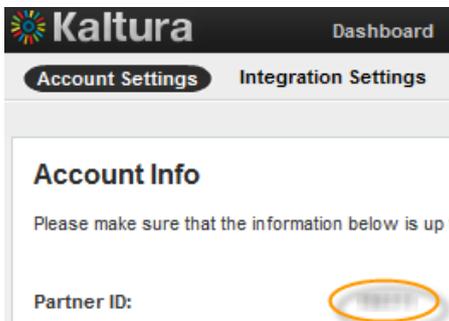
Instance ID:   
Unique ID for this instance of MediaSpace installation.

Force instance id:

Privacy Context:   
String to be set as privacy context on KMS root category to enforce entitlement.

Kaltura Server URL:

- **Username:** Use your Kaltura Management Console (KMC) user name.
- **Password:** Use your KMC password.
- **Partner ID:** To find your partner ID:
  - Open the KMC and go to [Settings>Account Settings](#).
  - Under Account Info, copy your Partner ID value.



- **Instance ID:** Specify an Instance Identifier for this installation of Kaltura MediaSpace. The ID:
  - Is an alphanumeric string
    - Minimum four characters
    - Maximum 10 characters
  - Binds specific settings to the current instance of the application

- Is used to unify the installation of MediaSpace in user-level analytics (application name)
  - Is used to separate user roles between MediaSpace instances, so the same user can have different roles in different instances
  - Cannot be changed after installation
  - **Force Instance ID:** Select the checkbox to specify an Instance ID that is used by a previous MediaSpace instance.
    - Depending on your authentication and authorization configuration, Force Instance ID enables all users who can log into the previous instance to log into this MediaSpace instance.
  - **Privacy Context:** Specify a label for privacy context, used for end-user entitlements. The label:
    - Is an alphanumeric string
      - Minimum four characters
      - Maximum 10 characters
    - Cannot be changed after installation
  - **Kaltura Server URL:** For Kaltura SaaS, use <http://www.kaltura.com>.
2. Wait until the Done screen is displayed.

### Kaltura MediaSpace™ 4.5 - Installation

#### Done

**KMS4.5 was setup successfully.**

You can visit your Kaltura MediaSpace site: [here](#).

You can create new users for your Kaltura MediaSpace site: [here](#).

You can go to the administration area to set more configuration options: [here](#).

Note that some functionality might be limited or broken until you complete all of the required configurations.

3. [Complete the post installation steps.](#)

## Upgrading from MediaSpace Version 4.0

### To upgrade from MediaSpace version 4.0

1. Export your MediaSpace 4.0 config.ini file.

- a. Configure your MediaSpace 4.0 installation to work in development mode.

In the *public* folder under the MediaSpace 4.0 root folder, modify the *.htaccess* file:

- a. In the following line, delete the comment symbol (#) and replace *production* with *development*.

```
# Mod SetEnv APPLICATION_ENV production
```

Following the changes, the line appears as follows:

```
Mod SetEnv APPLICATION_ENV development
```

- b. Save the file.
- b. In your Kaltura MediaSpace 4.0 Administration Area, on the Configuration Management panel ({your MediaSpace URL}/admin/) under Developer Tools, click **Export configuration to a file**.
- c. Save the exported configuration file.



**NOTE:** (Recommended) To continue working with MediaSpace version 4.0, reinsert the comment symbol (#) at the beginning of the line that you modified in the *.htaccess* file and save the file.

2. On the Migration window of the installation wizard, fill in the following fields and click **Start Migration**.

- o **Select Source Version:** Select Kaltura MediaSpace 4.
- o Under **Upload config file**, select the config.ini file that you exported in step 1.

3. Wait until the Done screen is displayed.

#### Kaltura MediaSpace™ 4.5 - Installation

#### Done

**KMS4.5 was setup successfully.**

You can visit your Kaltura MediaSpace site: [here](#).

You can create new users for your Kaltura MediaSpace site: [here](#).

You can go to the administration area to set more configuration options: [here](#).

Note that some functionality might be limited or broken until you complete all of the required configurations.

4. [Complete the post installation steps.](#)

# Post Installation Steps

After you install or upgrade MediaSpace:

1. Set up your MediaSpace site. Refer to the [Kaltura MediaSpace Setup Guide](#).
2. (Recommended) In your Kaltura MediaSpace Administration Area:
  - a. On the User Management panel ({your MediaSpace URL}/admin/user-list), add new MediaSpace users.
  - b. On the Configuration Management panel ({your MediaSpace URL}/admin/), customize your MediaSpace configuration settings.
  - c. (Only for SaaS customers who upgrade from version 4.0 to 4.5) Activate the new MediaSpace version 4.5 features. Refer to the [Kaltura MediaSpace New Features Activation Guide for SaaS](#).



**NOTE:** Functionality may be limited before you add users and customize required configuration settings.