OnPrem Iris+

Version: 9.18.0

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## Overview of the Upgrade Process

This document describes the upgrade process from OnPrem Hercules to Iris version 9.18.0.

The upgrade process can be supported by either:

* The old method of running individual scripts of DB/PHP/DWH on a side environment/server for validation, then running the scripts on the production environment with down-time (See the detailed workflow - [OnPrem Upgrade Process](https://portal.kaltura.com/community-team/Shared%20Documents/Knowledge%20Management/Work%20in%20Progress/Kaltura%20OnPrem/On_Prem_Document_Package/Upgrade_Process/OnPrem%20Upgrade%20Process%20-%20v1%202.pdf))
* Upgrading the existing in-place production environment with a single upgrade process. There is no need to setup a different environment/servers and no need to run individual scripts. This method requires some down-time as well.

## Upgrade Scripts

* To upgrade manually using scripts:

All upgrade scripts are under deployment/update:

1. First run the mysql scripts, then the php scripts, according to their dates and prefix number
2. Install the new plugins dynamic enums:  
   php /opt/kaltura/app/deployment/base/scripts/installPlugins.php
3. Update permissions:  
   php /opt/kaltura/app/deployment/base/scripts/insertPermissions.php
4. Update default server configuration files, copy them excluding the “template” in the file name and replace tokens with real data in all files under /opt/kaltura/app/deployment/base/scripts/init\_data.
5. Consecutively run the Sphinx re-population scripts (if the DB was not dropped during the upgrade):

* php /opt/kaltura/app/deployment/base/scripts/populateSphinxEntries.php
* php /opt/kaltura/app/deployment/base/scripts/populateSphinxCategories.php
* php /opt/kaltura/app/deployment/base/scripts/populateSphinxKusers.php
* php /opt/kaltura/app/deployment/base/scripts/populateSphinxCategoryKusers.php
* php /opt/kaltura/app/deployment/base/scripts/populateSphinxTags.php
* php /opt/kaltura/app/deployment/base/scripts/populateSphinxCuePoints.php
* php /opt/kaltura/app/deployment/base/scripts/populateCaptionAssetItems.php
* php /opt/kaltura/app/deployment/base/scripts/populateEntryDistributions.php

1. Update default server configuration.  
   php /opt/kaltura/app/deployment/base/scripts/insertDefaults.php
2. For the DWH upgrade: If someone is going to upgrade from Hercules to Iris there are two scenarios:

# mysql –h{dwh db host} –P3306 –ukaltura\_etl –pkaltura\_etl < /opt/kaltura/[dwh](https://github.com/kaltura/dwh)/ddl/migrations/20140623\_Hercules\_to\_Iris/hercules2Iris.sql

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|  | NOTE: Upgrading using scripts only was not tested as a standalone. The scripts were tested as part of the 2nd upgrade method. |

## Automatic Upgrade

* To upgrade your Hercules multi-server environment:

1. Be certain that you back up the environment (DB replication or image dump).
2. Run the configuration script and configure the package according to the env setup.
3. Start Down-time so DB won’t be updated anymore.
4. Upgrade DB server/s using –g
5. Upgrade Sphinx server/s using -g
6. Continue upgrading reset of servers using –g

You now now have an Iris IX-9.18.0 version operational

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|  | NOTE: In case of running on an all-in-one machine with non-default components, such as Red5, you should add: -C<components>, for example: -C\*, Red5 to install all the default components + Red5. This is not relevant to running a pre-configured upgrade on a distributed environment. |

## What Was Tested

* The following processes were tested by core QA:

Distributed environment, default port http, which included these machines:

* 1. API, apps, admin, var, red5, monitoring & cleanup
  2. Batch1 & Sphinx population 1
  3. Batch 2 & Sphinx population 2
  4. DB master/slave/Sphinx log & DWH
  5. Sphinx1
  6. Sphinx 2
* SFTP drop folders were left out of scope.

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|  | NOTE: The new Iris install and old Hercules install can connect to the same DB (as batch tables are different in 2 versions) which enable 2 environments (Iris and Hercules+) to work at the same time, using the same Hercules DB. This process was NOT tested by core QA. |

## Known Issues

See Iris Release Notes.