

# HYBRIS: CACHE

## WEEK 7

Task 7.6 - (Cache):

Task 1: Find out how to clear all cache regions using HAC.

Implement the following tasks programmatically (using Hybris cache API):

- invalidation of certain item

- clear particular region (Entity region)

- clear all regions at the same time

# Implementation details

To invalidate items and to clear caches I built up a UI with a forms where the user is able to give the parameters and fire the actions.

## Clear cache

Choose cache from the list to clear:

Clear

## Invalidate item

Choose item type from the list to clear:

Product:

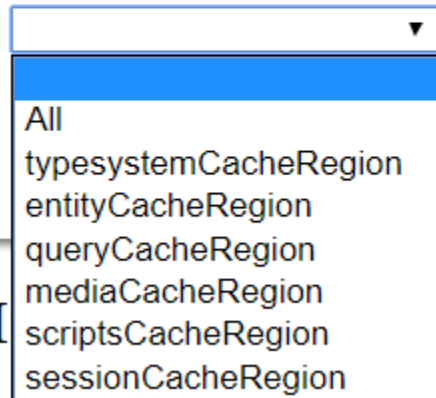
Media:

Clear

# Implementation details – clear cache

## Clear cache

Choose cache from the list to clear:



All  
typesystemCacheRegion  
entityCacheRegion  
queryCacheRegion  
mediaCacheRegion  
scriptsCacheRegion  
sessionCacheRegion

The form of clear cache contains a prepopulated drop-down list with the available cache regions.

After choosing one of them the user is able to clear the cache.

I used the `de.hybris.platform.regioncache.region.CacheRegionProvider` class to get the cache regions.

Once a cache gets selected, I invoked its `clearCache` method.

## Implementation details – invalidate items

### Invalidate item

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Choose item type from the list to clear:

Product:

Media:

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My solution is able to invalidate products and medias only.

The user is able to give the name/code of the media and the product they want to invalidate.

I look up the product/media with `de.hybris.platform.servicelayer.search.FlexibleSearchService`

Once I found the item, I invoke the `invalidateCache(PK)` method of the `de.hybris.platform.util.Utilities` class.