Software Documentation : Java Custom Catalog Services 1.1

This page last changed on Mar 12, 2008 by cucu.

1. Overview

This version is an enhancement from version 1.0, providing new search criterias, support for a new entity and a method for retrieving all the asset versions.

Catalog Services 1.0 and Catalog Entities 1.1 are attached to this page.

> **Warning**
>
> Catalog Entities 1.1 is being developed and will be attached as soon as it is finished.

2. New Requirements

2.1 New Search Criterias

Catalog Services component provides functionality for searching assets using CatalogServices.findAssets method.

This enhancement will add the following search criterias:

- Component creation date is after certain date
- Component creation date is before certain date
- Component version creation date is after certain date
- Component version creation date is before certain date
- Root Category

The dates must include the time as well.
All the search criteria will be AND'ed (this is how it currently works).

2.2 Support for CompDocumentation entity

Catalog Entities 1.1 introduced entity CompDocumentation (see http://www.topcoder.com/wiki/display/docs/Java+Custom+Catalog+Entities+1.1)

Catalog Services 1.1 must support this addition by storing in ComponentDTO a collection of the CompDocumentation entities belonging to the component version. This also implies updating the service implementation to take the new field into account.

2.3 Retrieve all versions for an asset

Currently, Catalog Services retrieves either the last version or the current version of an asset.

A new method must be added to CatalogService and CatalogServiceImpl classes in order to retrieve all the versions of an asset. The method definition can be as follow:

```
public List<AssetDTO> getAllAssetVersions(long id)
```

The id parameter represents the asset id, and the method returns a list where each element is a version of the asset, ordered by CompVersion.version.

3. Developer Tasks

The developer is responsible for the following tasks:

- Update the class diagram and the component specification to match this enhancement. This includes fixing existing mismatches, for example there is a "findComponents" method in the diagram, but in code its named "findAssets". The diagram must be updated to match the code.

- Implement the code for the new requirements.
- Provide unit tests covering the new requirements.