

# Content Server URL Assemblers including LightWeight Abstract Assembler Item Context Assembler Site Plan Tree Support

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Created: July 23, 2009

# Overview

Writing URL assemblers for Content Server can be a tedious task. This library exists for two reasons: to simplify the work required to develop an assembler, and to create a set of multi-purpose, easy-to-use assemblers that can be used in the vast majority of sites without requiring that any code be written.

# Executive Summary

A new abstract assembler (base class) has been written that is much easier to use than the abstract assembler that ships with Content Server. This facilitates development of new assemblers.

In addition, a generic assembler, called the ItemContextAssembler, is applicable for any site that is ultimately needing to represent a single object placed in a specific context, in its URL. This applies to most sites. For example, a web page describing downloads for a specific product in a catalogue has the download page as its item and the product as the context. Alternately, articles on pages could be the items in context. The ItemContextAssembler requires no coding to be used and can be applied in various situations.

Lastly, a helper class that supports the ItemContextAssembler when used with sites based on the Site Plan Tree is provided. It includes an infrastructure for converting an asset into a pretty alias using a variety of pluggable strategies. Many strategies are included with this assembler. Examples would be the conversion of the asset ID Page:123123123123 into an alias such as “about-us”. The Site Plan Helper will concatenate aliases into a context and determine which path to use automatically, and all the developer has to do is choose or create a new mapping strategy, which takes a fraction of the time required to develop a new assembler.

# Component Overview

## LightweightAbstractAssembler

## ItemContextAssembler

## Site Plan Tree Helper

## AliasingStrategies