



# Services Library - Governance

Version 0.3

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## Document History

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Richard Lund	17 Sep 2014	Draft	0.1
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## Services Library Overview

The Services Library is a collection of classes and functions that are developed by CrownPeak Professional Services for the purpose of standardizing development across all CrownPeak CMS instances.

## What is the purpose of the Services Library

The Services Library is available in all CrownPeak instances and is intended to make CMS template development quicker and more reliable by:

- Providing a number of helper functions which carry out tasks that are common to many implementations.
- Standardizing best practices into a library available to all developers.
- Developing a library for 3<sup>rd</sup> party integrations.
- Providing a single source for template extensions (TMF, CDF, Release manager, etc.) created by CrownPeak Professional Services.

Service library classes have benefits including:

- Access to .Net namespaces that are blocked or protected in the CrownPeak template API.
- The possibility for an integrated experience for Search, WCO and CMS implementations.

By moving common code and best practices into the Services Library, each separate CMS implementation will require fewer lines of code. Updates, testing and support will be significantly simpler.

## Services Library Components

### ServicesInput

Methods to wrap functionality commonly used in input templates, such as WYSIWYG areas, DateTime input, hyperlinks, MetaData fields.

### ServicesPostInput

Methods to wrap functionality commonly used in post\_input templates, such as setting the asset label based on the contents of a field, and consolidating date and time fields into a single DateTime value.

### ServicesOutput

Methods to wrap functionality commonly used in output templates, such as writing CSS and JavaScript links, MetaData fields, and hyperlinks.

### ServicesUtil

Utility functions used internally by other Services Library functions, and available for general use if required, such as getting a filtered list of assets and reformatting date strings.

See the Services Library documentation for detailed information and code samples - <http://help.crownpeak.com/CMSAPI/>

## Services Library – Upcoming Features

As of October 2014, there are a number of initiatives in development including the addition of the TMF library and classes for minification and enumeration.

Additions to the Services Library should come from CrownPeak Professional Services and the network of partner developers.

There is a forum dedicated to template development so the developer community can share and critique code and potential additions. [https://connect.crownpeak.com/developers\\_and\\_partners/forums/developer\\_forum](https://connect.crownpeak.com/developers_and_partners/forums/developer_forum)

In order for code to be considered for the library, it must have been implemented on at least three separate instances in order to fully prove its fitness.

Once a developer can confirm their recommendation has been implemented 3 times, they should submit the code and documentation on its intended functionality to the Services Library Committee.

The code and documentation will be reviewed for its suitability and later inclusion into the library.

## Services Library Controls

Initial candidacy for the Services Library is determined by the criteria listed above. Once a set of functionality is deemed suitable, then the Support department make a final go/no-go decision based on their assessment of the supportability of the code.

Once the Support department has validated that the code is supportable, it will be reviewed by the Engineering department to ensure that its code is fit for release.

If the work is deemed suitable then once it is fully approved the Engineering team will implement it in the Services Library core, and write appropriate unit tests so that its continued functionality can be tested for each product release. This work will be supplemented by testing documentation requested when the work is initiated.

Once the code has been implemented, it will initially be made available in the QA environment. The Engineering team will advise the original author(s) of this, and it can then be tested. Once the authors and Engineering are satisfied with the functionality, it can be included in the next scheduled release of the CMS. On release, information on the new methods or classes will be added to the API documentation - <http://help.crownpeak.com/CMSAPI/>.

## Notes

More information can be found at <http://connect.crownpeak.com/documents/best-practices/>  
If you have further questions, please refer them to Richard Lund.