Release notes for SP Content Service Broker 2.0.0.0

* A SPServiceObject service object was implemented for encapsulate list/library methods (work with list items, documents, folders and manage item and folder permissions):

List/Library methods:

* CreateItem
* UpdateItemById
* GetItemById
* DeleteItemById
* GetItemByTitle/GetItemByName
* GetItems

Document methods:

* CreateDocument
* GetDocumentById
* DeleteDocumentById
* GetDocuments
* RenameDocumentById
* CopyDocumentByName
* MoveDocumentByName

Document Set methods

* CreateDocumentSet
* UpdateDocumentSetByName
* GetDocumentSetByName
* DeleteDocumentSetByName
* RenameDocumentSetByName
* GetDocumentSets

Folder methods:

* CreateFolder
* DeleteFolder
* RenameFolder
* MoveFolder

Permission methods:

* BreakItemInheritanceById
* ResetItemInheritanceById
* AddItemPermissionById
* RemoveItemPermissionById
* GetItemPermissionById
* BreakFolderInheritanceByName
* ResetFolderInheritanceByName
* AddFolderPermissionByName
* RemoveFolderPermissionByName
* GetFolderPermissionByName
* SPServiceObject service object class was splitted on several partial files (SPListLibrary, SPDocument, SPFolder, SPPermission and SPDefinition);
* A service object property and method creation was encapsulated in SPDefinition partial file;
* All methods from SPListLibrary partial file allow to work with list items and valid for lists and libraries;
* All methods from SPDocument partial file allow to manipulate documents in libraries;
* Methods from SPFolder partial class are added only if folder creation is supported for current list/library;
* Methods from SPPermission partial file allow to manage item and folder permissions and valid for lists and libraries. Folder permission methods are added only if folder creation is supported for current list/library;
* A CreateFolder method from SPFolder partial file creates folders from provided folder path recursively. That’s mean that if folder path equal “Folder 1/Folder 2/Folder 3” – firstly will be created Folder 1, than Folder 2 and etc. A folder will not be created if it’s already exist;
* A CopyDocumentByName and a MoveDocumentByName methods from SPDocument partial file copy document with all metadata. If some metadata doesn’t match it will be ignored. A document will be removed after copying in a MoveDocumentByName method;
* A MoveFolder method from SPFolder partial file creates copied folder in the destination list/library and copy all files and sub-folder recursively there. A source folder will not be removed;
* The Service broker requires an installation of SP CSOM components on the K2 Server or atleast Copy the following assemblies into the ServiceBroker (C:\Program Files (x86)\K2 blackpearl\ServiceBroker) folder:
* Microsoft.Sharepoint.Client.dll
* Microsoft.Sharepoint.Client.Runtime.dll
* Microsoft.Sharepoint.Client.DocumentManagement.dll

Known issues:

* Don’t copy folder using a MoveFolder methods into the same folder. It will be an endless loop because there is recursive copying inside;
* The internal logic of GetItemPermissionById and GetFolderPermissionById should be changed. The methods currently do not provide a lot of value.