



Contributor Development Environment

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Providing users a rich desktop experience for accessing and managing SharePoint content is a common issue within SharePoint deployments. The Contributor product set delivers this rich SharePoint integration and extends it, providing a seamless experience in disconnected (offline) and occasionally connected environments.

Colligo Contributor™ Client builds on the traditional desktop experience via a stand-alone User Interface providing a rich client with offline capability.

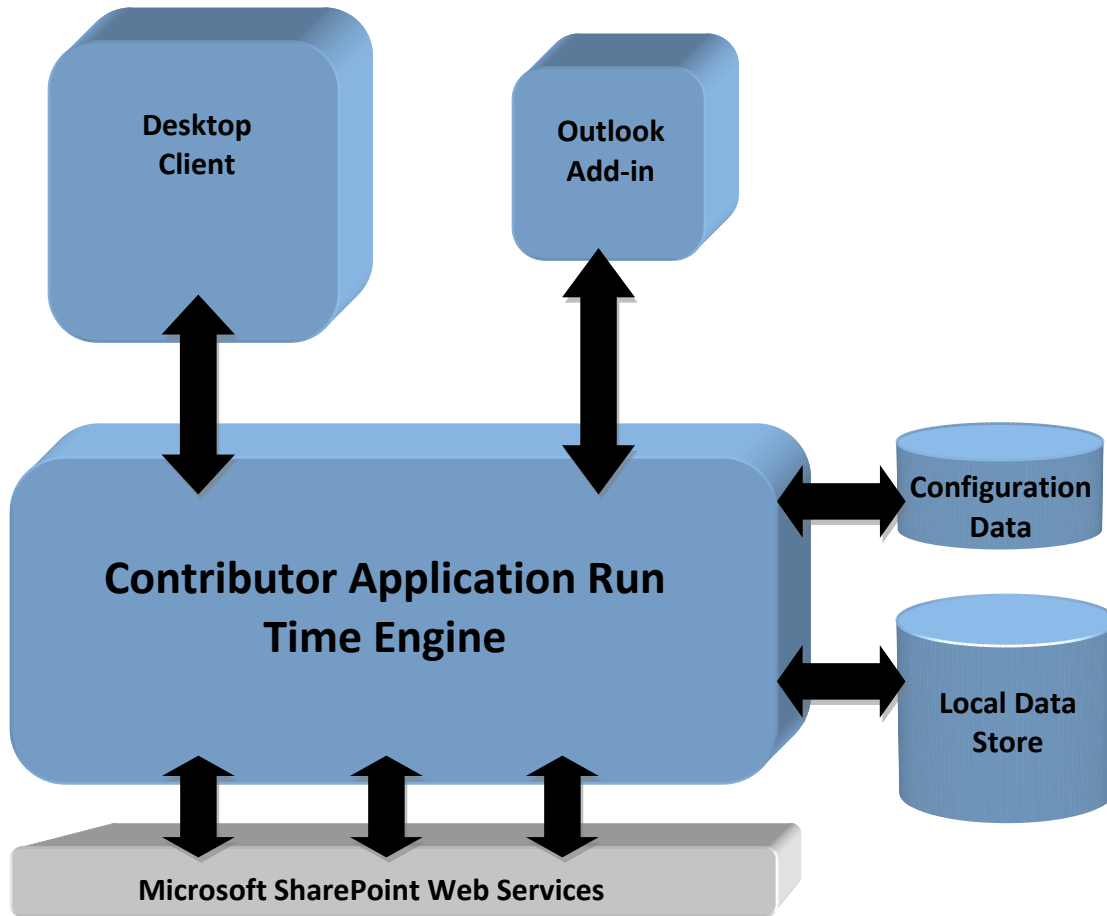
Colligo Contributor™ Add-In for Outlook® extends MS Outlook integration with SharePoint and enriches user access through the familiar “drag and drop” interface.

Customers have recognized the power of Contributor and demanded more flexibility to both integrate Contributor into their desktop environment and to extend its functionality to meet specific business requirements.

Colligo Contributor™ Software Development Kit contains a .Net API to the Contributor Application engine plus relevant technical information and specifications to enable custom development, management, configuration and installation tools to be created.

Contributor Release 3 Products

The Contributor product set is built on top of a core run-time engine which provides the synchronization logic, interface to Microsoft SharePoint Services, local data repository (for caching) and a metadata and item management database. There are two distinct User Interfaces (UI) available; one for the desktop and one as an Outlook Add-in.



Customization and Integration

In cases where the user needs further integration into their desktop Contributor has exposed elements of its configuration schema and internal operations for customization. Currently Contributor enables the following to be customized:

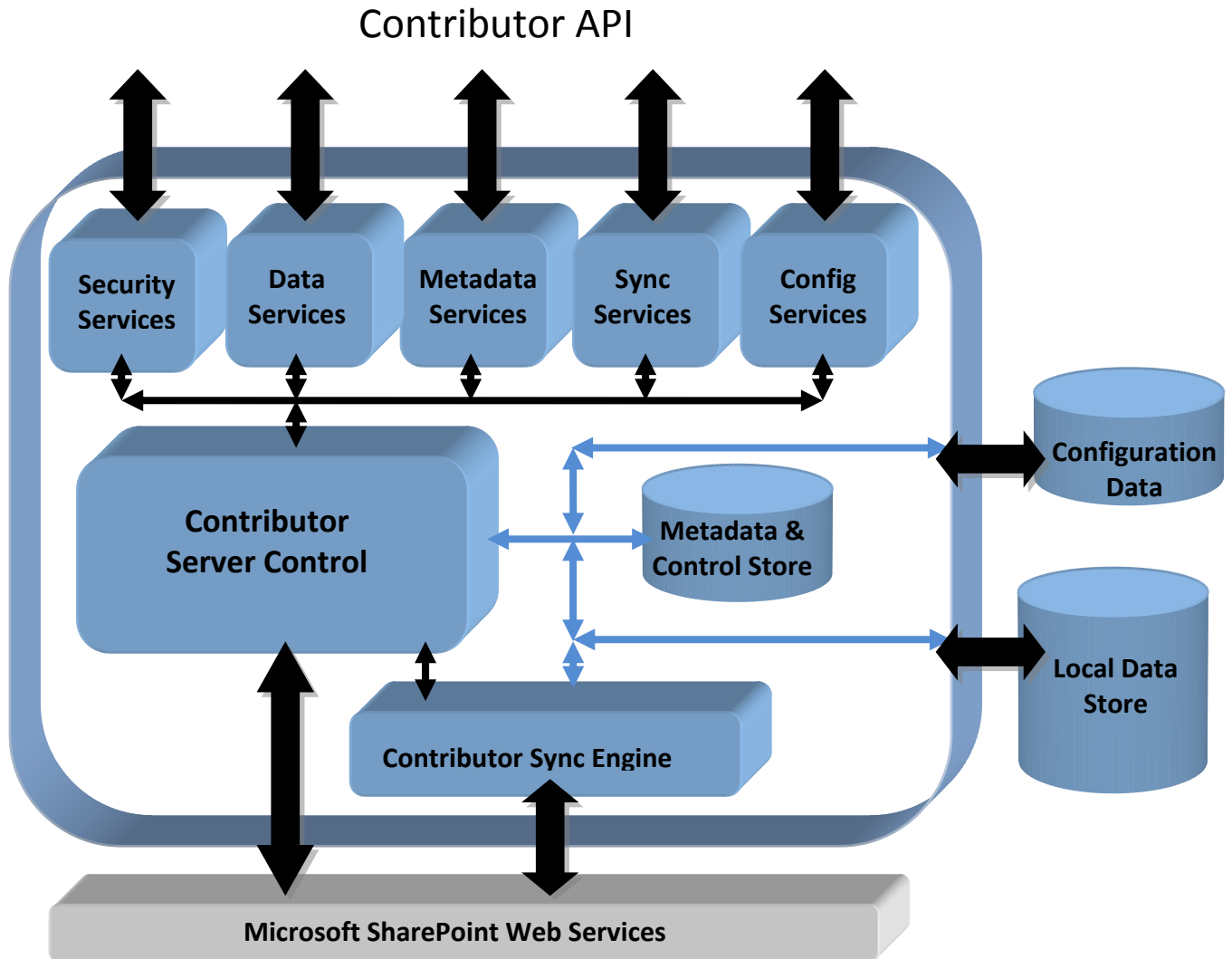
- Installation system which enables the installation to be bundled with other applications transparently to the end customer.
- Alter the UI appearance based on the configured Windows colour scheme.
- Metadata editor which is used whenever an item is added for synchronization to SharePoint. This enables custom editors which may use different display styles, specific filtered look-ups/pull-down lists, structured data entry, etc.

Contributor Custom Development

The Contributor Development Environment provides the flexibility to develop and deploy in a number of different architectures. The Microsoft .Net API and Microsoft Visual Studio 2005 provide a familiar environment for developers.

The API is categorized as a set of services reflecting the major operation types:

- Data – insertion, deletion and creation of SharePoint data items
- Metadata – viewing, editing and management of related metadata
- Sync – control, selection and invocation of synchronization
- Config – setup, operation and configuration of the Contributor Server
- Security – access control, credentials and rights management



The Development Environment exposes the internal services of the Contributor

Application Run-Time Engine and currently makes the following types of operations available:

- Creation of new list items and documents
- Importing existing documents in to the Contributor store
- Getting collections of sites, lists, list items, and documents from the store.
- Getting metadata of list items and documents in the store
- Updating the metadata of list items and documents
- Removing list items and documents from the Contributor store
- Initiate synchronization of sites or individual lists

Colligo will continue to expand and extend the available operations in future releases and as new Contributor features and functionality are delivered.

Development and deployment of applications using the Contributor Development Environment will require the following:

Development IDE	Visual Studio 2005
Operating Systems	Windows 2000 Windows XP Window Vista (32 bit) Windows Vista (64 bit) (x86 .Net compatibility mode)
Installed Components	.Net Framework V2.0 Runtime
Contributor	Contributor Pro, Client or Add-In V3.0 or higher Contributor Run-Time V3.0 or higher

For further details on the [Colligo Contributor™ Software Development Kit](#) and how it can help create your desktop solution, please contact your account representative or our sales team at sales@colligo.com.