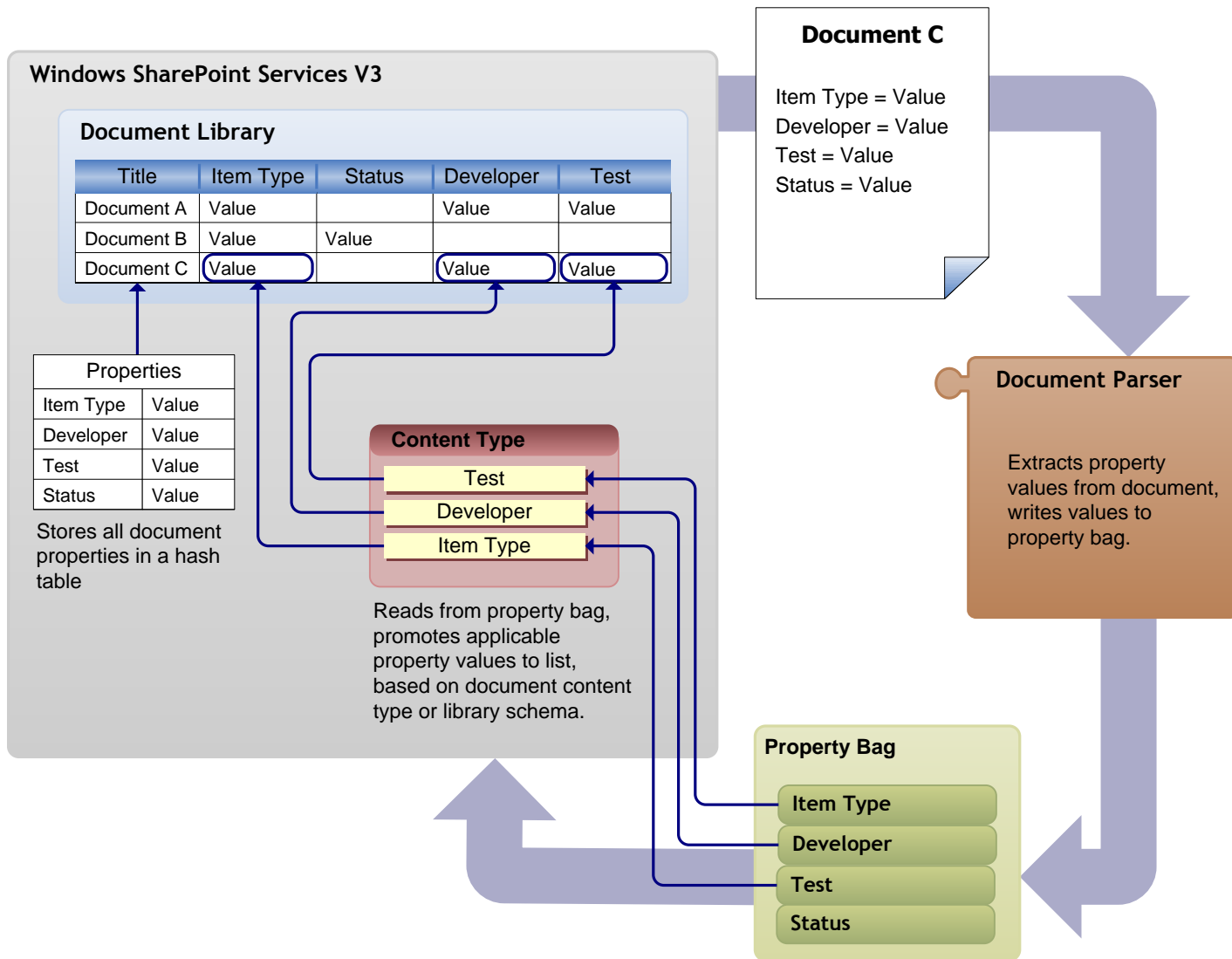


Promoting and Demoting Document Properties in Windows SharePoint Services V3

Microsoft® Windows® SharePoint® Services V3 provides a document parser infrastructure, which enables you to create and install custom COM document parsers that can parse your custom file types and update a document for changes made at the document library level, and vice versa. Using a document parser for your custom file types helps ensure that your document metadata is always up-to-date and synchronized between the document library and the document itself.

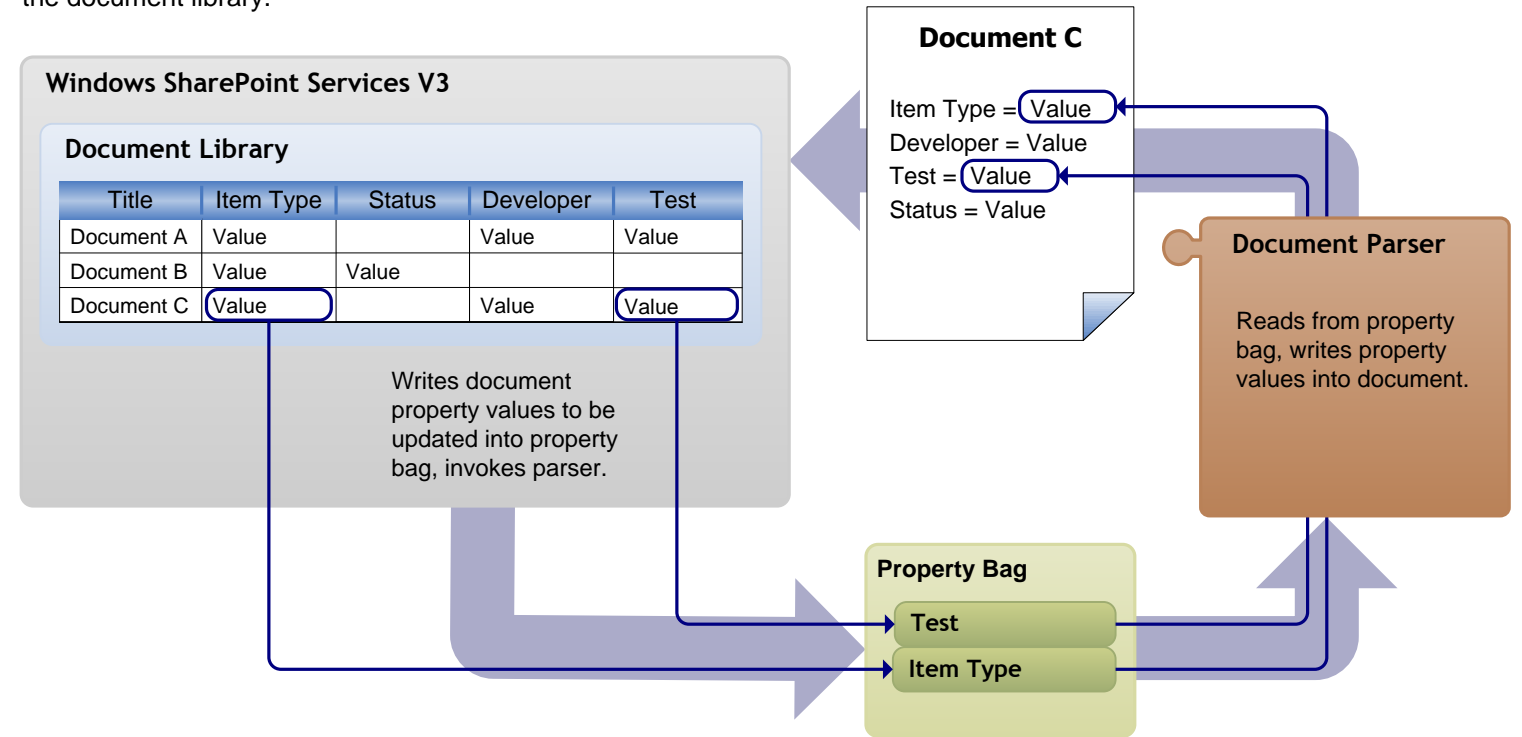
Property Promotion Using a Custom Document Parser

When document properties need promotion, Windows SharePoint Services V3 invokes the custom document parser for the file type of that document. The parser extracts all document properties and writes them to the property bag. Windows SharePoint Services V3 then promotes the properties included in the document's content type to the document library. Windows SharePoint Services V3 also writes all document properties to a hash table that is stored with the document.



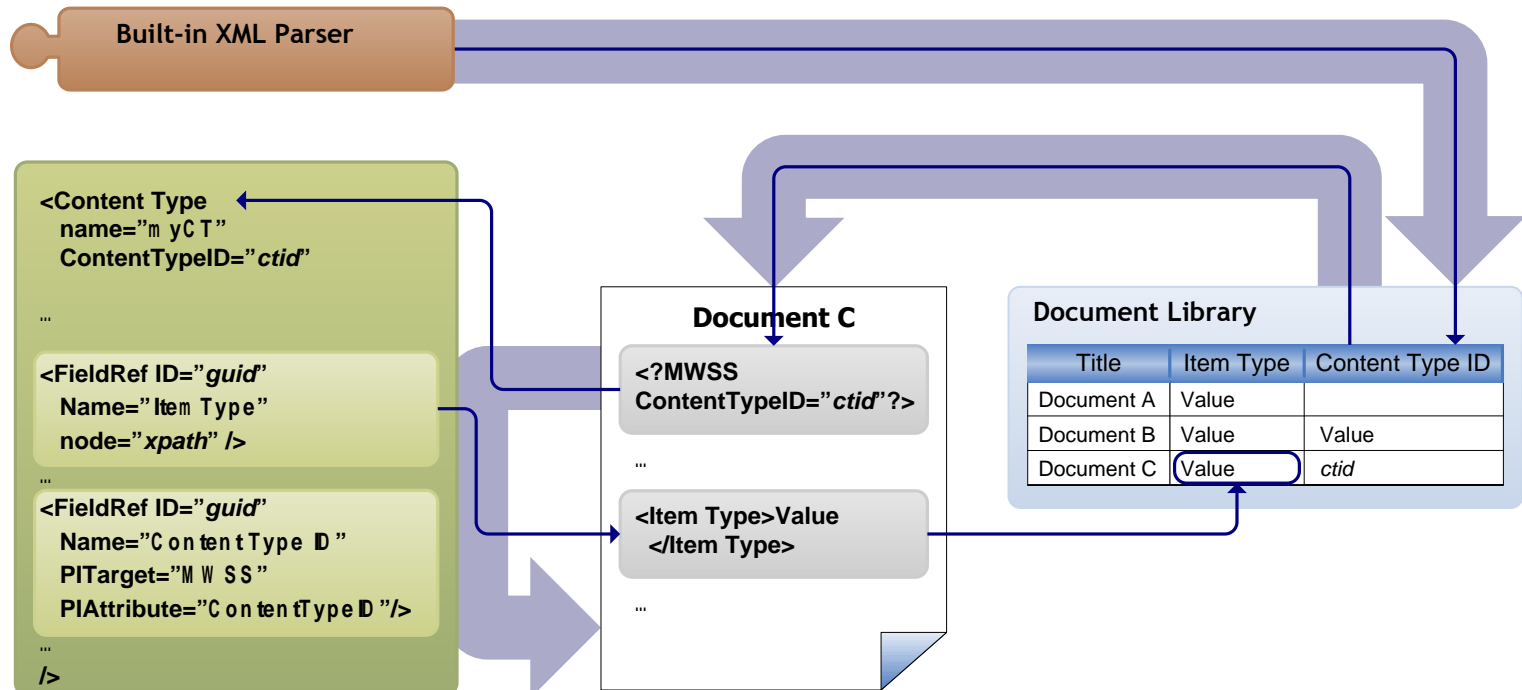
Property Demotion Using a Custom Document Parser

When properties need to be demoted into a document, Windows SharePoint Services V3 invokes the custom parser for the file type of that document. Windows SharePoint Services V3 pass to the parser the document to be updated and a property bag object containing the document properties to update. The parser reads the property values from the property bag, and updates the properties in the document. When the parser finishes, Windows SharePoint Services V3 saves the updated document to the document library.



Property Promotion/Demotion Using the Built-in XML Parser

When properties need to be promoted from or demoted to an XML file, Windows SharePoint Services V3 invokes the built-in XML parser. The parser accesses the document's content type to determine which content type columns are mapped to document properties, and where those properties are located in the XML document. If the parser finds the document property at the specified location, it promotes or demotes that value to the matching column, as appropriate. Columns marked as read-only are not demoted.



Built-in Document Parsers Included in Windows SharePoint Services V3

Windows SharePoint Services V3 includes a number of built-in parsers that it uses to automatically promote and demote document properties for documents of common file types.

